

Gene Symbol	Gene Title	Fold Change	absolute FC	Regulation	P-value	FDR
ARHGEF25	Rho guanine nucleotide exchange factor 25	2.114087421	2.114087421	up	0.009970267	0.478633621
UGT1A6	UDP glucuronosyltransferase 1 family, polypeptide A6	2.056876304	2.056876304	up	0.000530202	0.163057694
UGT1A10	UDP glucuronosyltransferase 1 family, polypeptide A10	2.056876304	2.056876304	up	0.000530202	0.163057694
UGT1A1	UDP glucuronosyltransferase 1 family, polypeptide A1	2.056876304	2.056876304	up	0.000530202	0.163057694
UGT1A8	UDP glucuronosyltransferase 1 family, polypeptide A8	2.056876304	2.056876304	up	0.000530202	0.163057694
UGT1A3	UDP glucuronosyltransferase 1 family, polypeptide A3	2.056876304	2.056876304	up	0.000530202	0.163057694
UGT1A5	UDP glucuronosyltransferase 1 family, polypeptide A5	2.056876304	2.056876304	up	0.000530202	0.163057694
UGT1A9	UDP glucuronosyltransferase 1 family, polypeptide A9	2.056876304	2.056876304	up	0.000530202	0.163057694
UGT1A7	UDP glucuronosyltransferase 1 family, polypeptide A7	2.056876304	2.056876304	up	0.000530202	0.163057694
UGT1A4	UDP glucuronosyltransferase 1 family, polypeptide A4	2.056876304	2.056876304	up	0.000530202	0.163057694
FAM122C	family with sequence similarity 122C	1.991444172	1.991444172	up	0.006714776	0.42771383
NUP88	nucleoporin 88kDa	1.971925484	1.971925484	up	0.004320196	0.364793404
EPB41L1	erythrocyte membrane protein band 4.1-like 1	1.933790762	1.933790762	up	0.009237242	0.469798502
TMEM106B	transmembrane protein 106B	1.930835204	1.930835204	up	0.000144626	0.077989008
OR6X1	olfactory receptor, family 6, subfamily X, member 1	1.911875222	1.911875222	up	0.011931883	0.495462647
PDLIM5	PDZ and LIM domain 5	1.885893712	1.885893712	up	0.000378856	0.142035076
NEBL	nebullette	1.880719945	1.880719945	up	0.001108332	0.227236977
GPR152	G protein-coupled receptor 152	1.873555051	1.873555051	up	0.001037613	0.219600262
FHL1	four and a half LIM domains 1	1.872438545	1.872438545	up	0.034238842	0.595139711
FRY	FRY microtubule binding protein	1.868648264	1.868648264	up	0.00165617	0.255663523
EGR4	early growth response 4	1.863276402	1.863276402	up	0.004045056	0.35779398
CYP1A1	cytochrome P450, family 1, subfamily A, polypeptide 1	1.857958618	1.857958618	up	6.68877E-05	0.050635261
SPIDR	scaffolding protein involved in DNA repair	1.85529899	1.85529899	up	0.001126216	0.228707858
OAS2	2'-5'-oligoadenylate synthetase 2	1.849640683	1.849640683	up	0.002803393	0.315798154
TPM1	tropomyosin 1 (alpha)	1.843957029	1.843957029	up	0.001518131	0.251952305
TMLHE	trimethyllysine hydroxylase, epsilon	1.842726171	1.842726171	up	0.001706206	0.255663523
NPSR1-AS1	NPSR1 antisense RNA 1	1.825255427	1.825255427	up	0.004219348	0.361725211
ZNF321P	zinc finger protein 321, pseudogene	1.822781587	1.822781587	up	0.000411693	0.144894892
ZNF816- ZNF816P	ZNF816-ZNF321P readthrough	1.822781587	1.822781587	up	0.000411693	0.144894892
PPFIA3	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (linrin), alpha 3	1.820159698	1.820159698	up	0.00279845	0.315798154
OTUD4	OTU deubiquitinase 4	1.813032813	1.813032813	up	0.010581067	0.486801343
C17orf107	chromosome 17 open reading frame 107	1.812936469	1.812936469	up	0.001463133	0.250769966
SPAG9	sperm associated antigen 9	1.811102714	1.811102714	up	0.002258139	0.294343195
ZMYM6	zinc finger, MYM-type 6	1.810395666	1.810395666	up	0.003723133	0.349787905
ANKRD36B	ankyrin repeat domain 36B	1.809291716	1.809291716	up	0.004826524	0.381949914
ANKRD36	ankyrin repeat domain 36	1.809291716	1.809291716	up	0.004826524	0.381949914
GREB1L	growth regulation by estrogen in breast cancer-like	1.809229012	1.809229012	up	0.006180572	0.414771056
ZNF385C	zinc finger protein 385C	1.801974217	1.801974217	up	0.002154831	0.288675084
SHF	Src homology 2 domain containing F	1.801349809	1.801349809	up	0.003253969	0.33620071
CCDC185	coiled-coil domain containing 185	1.800338726	1.800338726	up	0.024174069	0.562764151
MDM2	MDM2 proto-oncogene, E3 ubiquitin protein ligase	1.796354023	1.796354023	up	0.015850156	0.523001994
TRPC1	transient receptor potential cation channel, subfamily C, member 1	1.79472778	1.79472778	up	0.000426941	0.145480134
C18orf54	chromosome 18 open reading frame 54	1.791550076	1.791550076	up	0.007349984	0.437407205
ZNF273	zinc finger protein 273	1.790672747	1.790672747	up	0.024545838	0.563613185
SNX18	sorting nexin 18	1.789527072	1.789527072	up	0.001911783	0.273662987
ZNF641	zinc finger protein 641	1.787716996	1.787716996	up	0.01270808	0.50529726
HECTD4	HECT domain containing E3 ubiquitin protein ligase 4	1.786953016	1.786953016	up	0.00508629	0.392367316
LINC00525	long intergenic non-protein coding RNA 525	1.786333813	1.786333813	up	0.000698097	0.192171998
CCDC109B	coiled-coil domain containing 109B	1.785978899	1.785978899	up	0.010744844	0.488995826
PRKDC	protein kinase, DNA-activated, catalytic polypeptide	1.785376534	1.785376534	up	0.009396403	0.473004364
PARP14	poly(ADP-ribose) polymerase family member 14	1.783545931	1.783545931	up	0.023412684	0.556698922
HELT	helt bHLH transcription factor	1.781301472	1.781301472	up	0.026287929	0.568317266
WWOX	WW domain containing oxidoreductase	1.780865263	1.780865263	up	0.010306068	0.485753032

C1QTNF1	C1q and tumor necrosis factor related protein 1	1.779894465	1.779894465	up	0.006654192	0.42771383
AKAP13	A-kinase anchoring protein 13	1.779479158	1.779479158	up	0.006103484	0.414771056
GTF2E1	general transcription factor IIE subunit 1	1.779133828	1.779133828	up	0.01213801	0.499804145
KCNIP2	Kv channel interacting protein 2	1.776041183	1.776041183	up	0.000857737	0.202184487
MAPRE3	microtubule associated protein RP/EB family member 3	1.775856534	1.775856534	up	0.003458561	0.339991958
TBL1X	transducin (beta)-like 1X-linked	1.775150941	1.775150941	up	0.014540168	0.515525808
LAMTOR3	late endosomal/lysosomal adaptor, MAPK and MTOR activator 3	1.774289842	1.774289842	up	0.01285336	0.505878264
EMSY	EMSY, BRCA2-interacting transcriptional repressor	1.773547991	1.773547991	up	0.016885659	0.530489988
FLRT3	fibronectin leucine rich transmembrane protein 3	1.773080907	1.773080907	up	0.001333551	0.241913463
ZC3H18	zinc finger CCCH-type containing 18	1.773039941	1.773039941	up	0.00051998	0.161370449
LOC84843	uncharacterized LOC84843	1.772880181	1.772880181	up	0.011014623	0.489992559
FECH	ferrochelatase	1.772421463	1.772421463	up	0.025786984	0.566329497
MRPL50	mitochondrial ribosomal protein L50	1.771815483	1.771815483	up	0.005632526	0.402842701
ATG12	autophagy related 12	1.770743241	1.770743241	up	0.002500371	0.309519143
TAS2R39	taste receptor, type 2, member 39	1.770526417	1.770526417	up	0.018750539	0.539772279
TMSB15A	thymosin beta 15a	1.767636593	1.767636593	up	0.013481091	0.509292857
ESCO1	establishment of sister chromatid cohesion N-acetyltransferase 1	1.767240479	1.767240479	up	0.011591254	0.495320532
KIF3A	kinesin family member 3A	1.766962843	1.766962843	up	0.001352165	0.243935677
ACE2	angiotensin I converting enzyme 2	1.766836289	1.766836289	up	0.012554091	0.50479245
TCF4	transcription factor 4	1.765660989	1.765660989	up	0.028507918	0.574350948
ANKMY1	ankyrin repeat and MYND domain containing 1	1.765236768	1.765236768	up	0.01080801	0.488995826
PRLR	prolactin receptor	1.76363462	1.76363462	up	0.007803679	0.446499763
NOD2	nucleotide binding oligomerization domain containing 2	1.762579547	1.762579547	up	0.014190095	0.514636149
PIFO	primary cilia formation	1.760450956	1.760450956	up	0.00683451	0.430926948
KMO	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	1.759231127	1.759231127	up	8.65075E-05	0.059743261
OR5V1	olfactory receptor, family 5, subfamily V, member 1	1.757130938	1.757130938	up	0.003763629	0.351078777
PCDHA5	protocadherin alpha 5	1.75709846	1.75709846	up	0.014700402	0.515525808
GPATCH2L	G-patch domain containing 2 like	1.756225828	1.756225828	up	0.044770509	0.623333169
FREM2	FRAS1 related extracellular matrix protein 2	1.75565378	1.75565378	up	0.001949658	0.275083511
CUL3	cullin 3	1.755410411	1.755410411	up	0.001548388	0.251952305
ZNF507	zinc finger protein 507	1.754648075	1.754648075	up	0.00400234	0.357261063
SSPN	sarcospan	1.753412011	1.753412011	up	0.00791999	0.447128041
MRE11A	MRE11 homolog A, double strand break repair nuclease	1.752784181	1.752784181	up	0.019103749	0.541887884
HACD2	3-hydroxyacyl-CoA dehydratase 2	1.751529195	1.751529195	up	0.000222709	0.10562575
LOC100128226	hypothetic protein	1.75035599	1.75035599	up	0.006077357	0.414619018
NPHP1	nephronophthisis 1 (juvenile)	1.750218493	1.750218493	up	0.02204207	0.55021312
SNCAIP	synuclein alpha interacting protein	1.749381613	1.749381613	up	0.021942528	0.550085548
FAM65B	family with sequence similarity 65 member B	1.748884527	1.748884527	up	0.022619628	0.551250506
IGF2-AS	IGF2 antisense RNA	1.747394114	1.747394114	up	0.015986678	0.523557051
IGF2	insulin like growth factor 2	1.746683687	1.746683687	up	0.000233317	0.109339479
ANO6	anoctamin 6	1.746494019	1.746494019	up	0.028401004	0.57421459
GNG12	guanine nucleotide binding protein (G protein), gamma 12	1.745703288	1.745703288	up	0.003381883	0.338252205
TDRP	testis development related protein	1.743901275	1.743901275	up	0.023973841	0.562265417
TMEM136	transmembrane protein 136	1.743764285	1.743764285	up	0.014456144	0.51506237
ATP10A	ATPase, class V, type 10A	1.743409774	1.743409774	up	0.009945027	0.478589231
HAAO	3-hydroxyanthranilate 3,4-dioxygenase	1.743341297	1.743341297	up	0.020755891	0.549146
KCNAB2	potassium channel, voltage gated subfamily A regulatory beta subunit 2	1.742076972	1.742076972	up	0.005066185	0.39233172
LOC145783	uncharacterized LOC145783	1.740889986	1.740889986	up	0.025142	0.565551322
ZNF280D	zinc finger protein 280D	1.740889986	1.740889986	up	0.025142	0.565551322
CMTM1	CKLF-like MARVEL transmembrane domain containing 1	1.740777365	1.740777365	up	0.033715384	0.593014207
KANK4	KN motif and ankyrin repeat domains 4	1.739908819	1.739908819	up	0.014146562	0.514636149
NT5DC3	5'-nucleotidase domain containing 3	1.739257694	1.739257694	up	0.008165744	0.454504307
TMPRSS2	transmembrane protease, serine 2	1.73914116	1.73914116	up	0.035722974	0.602241915
EGR3	early growth response 3	1.736491123	1.736491123	up	0.038965994	0.613717043

FAM161A	family with sequence similarity 161 member A	1.736077921	1.736077921	up	0.019284317	0.543126657
HIPK2	homeodomain interacting protein kinase 2	1.735151583	1.735151583	up	0.015156983	0.518081034
WDR27	WD repeat domain 27	1.733356457	1.733356457	up	0.010731636	0.488995826
CACNA1A	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	1.73330039	1.73330039	up	0.010945087	0.489869256
PCNX	pecanex homolog (Drosophila)	1.733136202	1.733136202	up	0.015552342	0.52192494
NTNG2	netrin G2	1.732335508	1.732335508	up	0.022862622	0.552817629
ASCC3	activating signal cointegrator 1 complex subunit 3	1.731791247	1.731791247	up	0.005501106	0.401886731
CA12	carbonic anhydrase XII	1.731751235	1.731751235	up	0.038322967	0.612498409
PDGFRL	platelet-derived growth factor receptor-like	1.731747234	1.731747234	up	0.028800675	0.574350948
LOC645010	uncharacterized LOC645010	1.731083164	1.731083164	up	0.02301981	0.555254191
APOLD1	apolipoprotein L domain containing 1	1.729959627	1.729959627	up	0.008716142	0.466623412
SEMA4D	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain. (semanhorin) 4D	1.729951633	1.729951633	up	0.007606686	0.443884559
PSORS1C2	psoriasis susceptibility 1 candidate 2	1.729667866	1.729667866	up	0.005835191	0.409879029
MRC2	mannose receptor, C type 2	1.729440088	1.729440088	up	0.015903397	0.523501532
CKAP2L	cytoskeleton associated protein 2 like	1.729364168	1.729364168	up	0.008766267	0.466623412
AKR1C2	aldo-keto reductase family 1, member C2	1.729276265	1.729276265	up	0.043269232	0.623333169
AEBP2	AE binding protein 2	1.729176381	1.729176381	up	0.014250277	0.514676952
PPP1R3B	protein phosphatase 1, regulatory subunit 3B	1.728585186	1.728585186	up	0.010778476	0.488995826
LMNTD1	lamin tail domain containing 1	1.728066606	1.728066606	up	0.040006698	0.620933229
TMEM143	transmembrane protein 143	1.728022141	1.728022141	up	0.014216408	0.514636149
DHRS12	dehydrogenase/reductase (SDR family) member 12	1.727706756	1.727706756	up	0.01249569	0.503988558
SPDYE4	speedy/RINGO cell cycle regulator family member E4	1.726657218	1.726657218	up	0.022643772	0.551250506
ZNF343	zinc finger protein 343	1.726657218	1.726657218	up	0.008174496	0.454504307
FOXQ1	forkhead box Q1	1.726178553	1.726178553	up	0.017424533	0.531030242
SETD5	SET domain containing 5	1.726178553	1.726178553	up	0.02872762	0.574350948
ZNF599	zinc finger protein 599	1.724978487	1.724978487	up	0.028943255	0.574350948
MT1M	metallothionein 1M	1.724926675	1.724926675	up	0.049988577	0.630493844
MT1P3	metallothionein 1 pseudogene 3	1.724926675	1.724926675	up	0.049988577	0.630493844
MT1JP	metallothionein 1J, pseudogene	1.724926675	1.724926675	up	0.049988577	0.630493844
ERLIN2	ER lipid raft associated 2	1.724787191	1.724787191	up	0.027647822	0.570815756
GBP1	guanylate binding protein 1, interferon-inducible	1.72473937	1.72473937	up	0.021779334	0.550085548
FCRL2	Fc receptor-like 2	1.724352869	1.724352869	up	0.017660484	0.531908923
SERINC5	serine incorporator 5	1.72412579	1.72412579	up	0.028352663	0.57421459
POFUT2	protein O-fucosyltransferase 2	1.722939093	1.722939093	up	0.049508816	0.630325871
LINC00472	long intergenic non-protein coding RNA 472	1.72286744	1.72286744	up	0.024827306	0.56430245
CDK1	cyclin-dependent kinase 1	1.722755985	1.722755985	up	0.009880487	0.477233577
ADIRF-AS1	ADIRF antisense RNA 1	1.722628616	1.722628616	up	0.041800343	0.623333169
CYP26A1	cytochrome P450, family 26, subfamily A, polypeptide 1	1.722477378	1.722477378	up	0.015783616	0.522063677
SNORA80A	small nucleolar RNA, H/ACA box 80A	1.722163005	1.722163005	up	0.011655584	0.495320532
KRTAP9-3	keratin associated protein 9-3	1.721991915	1.721991915	up	0.004258535	0.362398259
PLCB1	phospholipase C beta 1	1.721868581	1.721868581	up	0.025901157	0.566523191
NCOA7	nuclear receptor coactivator 7	1.721860625	1.721860625	up	0.00080899	0.199221133
SMARCA1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1	1.721808907	1.721808907	up	0.023995083	0.562265417
NKX6-1	NK6 homeobox 1	1.721757191	1.721757191	up	0.039584439	0.617458765
ZBTB39	zinc finger and BTB domain containing 39	1.720866326	1.720866326	up	0.022799853	0.551784312
RNF157	ring finger protein 157	1.72069934	1.72069934	up	0.019280454	0.543126657
STMN1	stathmin 1	1.720564173	1.720564173	up	0.014597949	0.515525808
CEMIP	cell migration inducing protein, hyaluronan binding	1.720254124	1.720254124	up	0.036271446	0.603215176
GM2A	GM2 ganglioside activator	1.719812997	1.719812997	up	0.016226921	0.524267534
GDF15	growth differentiation factor 15	1.719240892	1.719240892	up	0.00082233	0.199221133
MAGOHB	mago homolog B, exon junction complex core component	1.719189253	1.719189253	up	0.032659812	0.590424587
CPN2	carboxypeptidase N, polypeptide 2	1.718883423	1.718883423	up	0.012800798	0.5057776
AKT2	v-akt murine thymoma viral oncogene homolog 2	1.718553823	1.718553823	up	0.012529738	0.50479245
TBX21	T-box 21	1.717763835	1.717763835	up	0.0225176	0.551250506

FRMD4B	FERM domain containing 4B	1.717422545	1.717422545	up	0.011740767	0.495320532
HMGCS2	3-hydroxy-3-methylglutaryl-CoA synthase 2 (mitochondrial)	1.717172574	1.717172574	up	0.02719594	0.568317266
MOCS1	molybdenum cofactor synthesis 1	1.716831402	1.716831402	up	0.009119822	0.466623412
FRK	fyn-related Src family tyrosine kinase	1.716633077	1.716633077	up	0.041292493	0.623333169
TLN1	talín 1	1.715665581	1.715665581	up	0.01478638	0.515560792
ALS2	ALS2, alsin Rho guanine nucleotide exchange factor	1.714948242	1.714948242	up	0.002761876	0.315798154
GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3	1.714124267	1.714124267	up	0.018845001	0.539906054
TNNT3	troponin T type 3 (skeletal, fast)	1.714088623	1.714088623	up	0.015685081	0.522063677
CR1L	complement component (3b/4b) receptor 1-like	1.714005457	1.714005457	up	0.014689725	0.515525808
CR1	complement component (3b/4b) receptor 1 (Knops blood group)	1.714005457	1.714005457	up	0.014689725	0.515525808
GYPB	glycophorin B (MNS blood group)	1.713882695	1.713882695	up	0.01905716	0.541720736
LOC284441	actin-related protein 2 pseudogene	1.71362532	1.71362532	up	0.026333572	0.568317266
DLG4	discs, large homolog 4 (Drosophila)	1.713585728	1.713585728	up	0.026292302	0.568317266
TMTC2	transmembrane and tetratricopeptide repeat containing 2	1.713308604	1.713308604	up	0.027649743	0.570815756
MAN1A1	mannosidase, alpha, class 1A, member 1	1.713253185	1.713253185	up	0.003714826	0.349787905
METTL7A	methyltransferase like 7A	1.713071106	1.713071106	up	0.008359256	0.4606964
NKX2-2	NK2 homeobox 2	1.712521027	1.712521027	up	0.021233031	0.549146
HDAC6	histone deacetylase 6	1.71244585	1.71244585	up	0.005468099	0.401886731
FRAT2	frequently rearranged in advanced T-cell lymphomas 2	1.712299463	1.712299463	up	0.011613941	0.495320532
PGM5	phosphoglucomutase 5	1.712101662	1.712101662	up	0.011115567	0.489992559
IKBKB	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase	1.71200277	1.71200277	up	0.023651734	0.55918949
NOXRED1	NADP-dependent oxidoreductase domain containing 1	1.711678444	1.711678444	up	0.012631146	0.5051069
BRSK2	BR serine/threonine kinase 2	1.711615168	1.711615168	up	0.024745375	0.563837901
CINP	cyclin-dependent kinase 2 interacting protein	1.711456989	1.711456989	up	0.005659139	0.402842701
HEPHL1	hephaestin like 1	1.711413492	1.711413492	up	0.01237424	0.503186668
MAPK9	mitogen-activated protein kinase 9	1.711389767	1.711389767	up	0.017514458	0.531030242
GNG13	guanine nucleotide binding protein (G protein), gamma 13	1.710812558	1.710812558	up	0.017419948	0.531030242
CD300LD	CD300 molecule like family member d	1.710725598	1.710725598	up	0.02492623	0.56554526
LAMP3	lysosomal-associated membrane protein 3	1.709808837	1.709808837	up	0.011843697	0.495320532
GPD1	glycerol-3-phosphate dehydrogenase 1	1.709666625	1.709666625	up	0.034454319	0.596656508
EFEMP2	EGF containing fibulin-like extracellular matrix protein 2	1.709599474	1.709599474	up	0.005495262	0.401886731
BMP8B	bone morphogenetic protein 8b	1.709346692	1.709346692	up	0.01804304	0.536048499
BVES	blood vessel epicardial substance	1.709129487	1.709129487	up	0.004743616	0.37840054
MIS18BP1	MIS18 binding protein 1	1.70873464	1.70873464	up	0.000330059	0.128711653
KIAA2012	KIAA2012	1.708600412	1.708600412	up	0.026767385	0.568317266
ZFAT	zinc finger and AT-hook domain containing	1.707779487	1.707779487	up	0.038424465	0.613124876
ARNT	aryl hydrocarbon receptor nuclear translocator	1.707574317	1.707574317	up	0.005289959	0.39664616
NUMA1	nuclear mitotic apparatus protein 1	1.707507248	1.707507248	up	0.032549653	0.590424587
JAZF1	JAZF zinc finger 1	1.70688008	1.70688008	up	0.003126438	0.330839302
ACTR10	actin-related protein 10 homolog (S. cerevisiae)	1.706462095	1.706462095	up	0.017780777	0.533491065
ZC3H13	zinc finger CCCH-type containing 13	1.706115167	1.706115167	up	0.011002368	0.489992559
SMAD2	SMAD family member 2	1.705957496	1.705957496	up	0.011790493	0.495320532
ZMYND12	zinc finger, MYND-type containing 12	1.705780133	1.705780133	up	0.015918561	0.523501532
SCN3B	sodium channel, voltage gated, type III beta subunit	1.704988138	1.704988138	up	0.038382858	0.61288818
GJB2	gap junction protein beta 2	1.704444593	1.704444593	up	0.041975626	0.623333169
OR2D3	olfactory receptor, family 2, subfamily D, member 3	1.704377647	1.704377647	up	0.03475751	0.598002352
MFSD13A	major facilitator superfamily domain containing 13A	1.703972087	1.703972087	up	0.012207976	0.502159847
COL5A2	collagen, type V, alpha 2	1.703861854	1.703861854	up	2.5911E-05	0.025499643
HIF3A	hypoxia inducible factor 3, alpha subunit	1.703775247	1.703775247	up	0.044551338	0.623333169
SPC24	SPC24, NDC80 kinetochore complex component	1.703184866	1.703184866	up	0.005972801	0.413214927
OR51F2	olfactory receptor, family 51, subfamily F, member 2	1.70316519	1.70316519	up	0.016093756	0.524267534
FMNL1	formin like 1	1.702893687	1.702893687	up	0.020134656	0.549146
MPND	MPN domain containing	1.702759918	1.702759918	up	0.045903129	0.627149649
NAV2	neuron navigator 2	1.702468812	1.702468812	up	0.004118132	0.358673662

USB1	U6 snRNA biogenesis 1	1.702394076	1.702394076	up	0.013072697	0.508746116
SNCA	synuclein alpha	1.701898544	1.701898544	up	0.008851363	0.466623412
ABCC3	ATP binding cassette subfamily C member 3	1.70183563	1.70183563	up	0.000647723	0.184765442
AQP7	aquaporin 7	1.701686218	1.701686218	up	0.023586343	0.558650062
ATMIN	ATM interactor	1.701458192	1.701458192	up	0.003629068	0.349504153
RNF138	ring finger protein 138, E3 ubiquitin protein ligase	1.701175169	1.701175169	up	0.030801148	0.582823189
CDH8	cadherin 8, type 2	1.700715357	1.700715357	up	0.014382409	0.51506237
VAPB	VAMP (vesicle-associated membrane protein)-associated protein B and	1.700188888	1.700188888	up	0.043371959	0.623333169
ECM2	extracellular matrix protein 2, female organ and adipocyte specific	1.700110324	1.700110324	up	0.036020169	0.603119509
GLIPR2	GLI pathogenesis-related 2	1.699839307	1.699839307	up	0.003600807	0.348269714
ZNF41	zinc finger protein 41	1.699407341	1.699407341	up	0.022271345	0.550353494
MADCAM1	mucosal vascular addressin cell adhesion molecule 1	1.699336667	1.699336667	up	0.014746147	0.515525808
GRIPAP1	GRIP1 associated protein 1	1.699065773	1.699065773	up	0.044256852	0.623333169
MB	myoglobin	1.69870465	1.69870465	up	0.007541438	0.441112481
CCDC80	coiled-coil domain containing 80	1.698335755	1.698335755	up	1.4967E-05	0.015923666
SOSTDC1	sclerostin domain containing 1	1.698272972	1.698272972	up	0.033652769	0.593014207
DCAF16	DDB1 and CUL4 associated factor 16	1.698108178	1.698108178	up	0.046653797	0.627185789
NEMP2	nuclear envelope integral membrane protein 2	1.69782179	1.69782179	up	0.007718274	0.44458454
HDAC4	histone deacetylase 4	1.697500151	1.697500151	up	0.011580154	0.495320532
CENPF	centromere protein F	1.696653197	1.696653197	up	0.000428698	0.145480134
OBSL1	obscurin-like 1	1.696367054	1.696367054	up	0.021643579	0.550085548
SLC17A7	solute carrier family 17 (vesicular glutamate transporter), member 7	1.696316102	1.696316102	up	0.011873018	0.495320532
SPECC1	sperm antigen with calponin homology and coiled-coil domains 1	1.69579883	1.69579883	up	0.013442341	0.509292857
AKAP11	A-kinase anchoring protein 11	1.695489327	1.695489327	up	0.026981717	0.568317266
C9orf91	chromosome 9 open reading frame 91	1.69546974	1.69546974	up	0.03805823	0.612253826
RHCE	Rh blood group, CcEe antigens	1.695367891	1.695367891	up	0.042303293	0.623333169
RHD	Rh blood group, D antigen	1.695367891	1.695367891	up	0.042303293	0.623333169
GPNMB	glycoprotein (transmembrane) nmb	1.695172046	1.695172046	up	0.026692317	0.568317266
CAPN10	calpain 10	1.694917481	1.694917481	up	0.021097776	0.549146
CYP11A1	cytochrome P450, family 11, subfamily A, polypeptide 1	1.69447502	1.69447502	up	0.024379953	0.563613185
ASIC1	acid sensing ion channel 1	1.694361487	1.694361487	up	0.014109512	0.514636149
NR0B2	nuclear receptor subfamily 0 group B member 2	1.694228389	1.694228389	up	0.045995706	0.627185789
ENSA	endosulfine alpha	1.693426107	1.693426107	up	0.014916809	0.516117046
TTC16	tetratricopeptide repeat domain 16	1.692459959	1.692459959	up	0.031925977	0.589351082
PLAT	plasminogen activator, tissue	1.691220812	1.691220812	up	0.026573391	0.568317266
GPC3	glypican 3	1.691052796	1.691052796	up	0.033348662	0.593014207
THAP6	THAP domain containing 6	1.690802756	1.690802756	up	0.011343981	0.491891526
RDM1	RAD52 motif containing 1	1.690408237	1.690408237	up	0.008058394	0.453169557
STARSD3	StAR related lipid transfer domain containing 3	1.690376992	1.690376992	up	0.001715711	0.25582948
APPL1	adaptor protein, phosphotyrosine interaction, PH domain and leucine	1.690267639	1.690267639	up	0.008413355	0.4606964
SCD5	zinner containing 1 stearoyl-CoA desaturase 5	1.69020906	1.69020906	up	0.023446277	0.556778981
COPG2	coatomer protein complex subunit gamma 2	1.69020906	1.69020906	up	0.005476395	0.401886731
TPM4	tropomyosin 4	1.690146577	1.690146577	up	0.044011159	0.623333169
RBMS3	RNA binding motif, single stranded interacting protein 3	1.689916194	1.689916194	up	0.036290557	0.603215176
WNK1	WNK lysine deficient protein kinase 1	1.689596052	1.689596052	up	0.042125472	0.623333169
CIDEB	cell death-inducing DFFA-like effector b	1.689564822	1.689564822	up	0.006374498	0.417524309
AGAP1	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1	1.688394111	1.688394111	up	0.014772738	0.515560792
DHFR	dihydrofolate reductase	1.688331696	1.688331696	up	0.001183633	0.236516265
HINT3	histidine triad nucleotide binding protein 3	1.688300489	1.688300489	up	0.0123592	0.503186668
ULBP1	UL16 binding protein 1	1.688183469	1.688183469	up	0.018008403	0.535584855
SAFB2	scaffold attachment factor B2	1.68809766	1.68809766	up	0.041372153	0.623333169
NCF1C	neutrophil cytosolic factor 1C pseudogene	1.687965054	1.687965054	up	0.026508673	0.568317266
NCF1	neutrophil cytosolic factor 1	1.687965054	1.687965054	up	0.026508673	0.568317266
NCF1B	neutrophil cytosolic factor 1B pseudogene	1.687965054	1.687965054	up	0.026508673	0.568317266

GFAP	glial fibrillary acidic protein	1.687403543	1.687403543	up	0.021848175	0.550085548
TENM2	teneurin transmembrane protein 2	1.687282687	1.687282687	up	0.021421935	0.549146
CCDC18	coiled-coil domain containing 18	1.686846117	1.686846117	up	0.011751468	0.495320532
RPL10	ribosomal protein L10	1.686553834	1.686553834	up	0.031427908	0.586609582
HOOK3	hook microtubule-tethering protein 3	1.686503177	1.686503177	up	0.010787868	0.488995826
PRDM15	PR domain containing 15	1.686238225	1.686238225	up	0.028417557	0.57421459
ANKRD7	ankyrin repeat domain 7	1.686051226	1.686051226	up	0.01795086	0.535584855
NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells	1.685903199	1.685903199	up	0.002805168	0.315798154
CXCL2	chemokine (C-X-C motif) ligand 2	1.685825296	1.685825296	up	0.014257619	0.514676952
RSBN1	round spermatid basic protein 1	1.685770766	1.685770766	up	0.001299017	0.240074176
KRT5	keratin 5, type II	1.685638342	1.685638342	up	0.017100904	0.530571823
CDC37L1	cell division cycle 37-like 1	1.685626658	1.685626658	up	0.025869894	0.566523191
BDKRB1	bradykinin receptor B1	1.685389103	1.685389103	up	0.028995254	0.574540338
CD3G	CD3g molecule, gamma (CD3-TCR complex)	1.685307329	1.685307329	up	0.024057437	0.56264562
MR1	major histocompatibility complex, class I-related	1.684964702	1.684964702	up	0.002385485	0.300161496
LIMD2	LIM domain containing 2	1.684735025	1.684735025	up	0.04234986	0.623333169
EGR1	early growth response 1	1.68428744	1.68428744	up	0.009605554	0.475470418
SPP1	secreted phosphoprotein 1	1.684155133	1.684155133	up	0.016365631	0.524267534
MTMR9LP	myotubularin related protein 9-like, pseudogene	1.683925566	1.683925566	up	0.040936763	0.623333169
GPD1L	glycerol-3-phosphate dehydrogenase 1-like	1.683229276	1.683229276	up	0.025906161	0.566523191
PRELP	proline/arginine-rich end leucine-rich repeat protein	1.683167052	1.683167052	up	0.015049029	0.516932843
MED28	mediator complex subunit 28	1.683135941	1.683135941	up	0.001895586	0.273332415
DNER	delta/notch like EGF repeat containing	1.682941508	1.682941508	up	0.010579944	0.486801343
ODF2	outer dense fiber of sperm tails 2	1.682918178	1.682918178	up	0.014619325	0.515525808
OR2T34	olfactory receptor, family 2, subfamily T, member 34	1.682735435	1.682735435	up	0.036355061	0.603337676
THTPA	thiamine triphosphatase	1.681802587	1.681802587	up	0.034362977	0.596552856
KCTD12	potassium channel tetramerization domain containing 12	1.681771501	1.681771501	up	0.003271791	0.336368557
TMTC4	transmembrane and tetratricopeptide repeat containing 4	1.681678246	1.681678246	up	0.043129772	0.623333169
CAPSL	calcyphosine-like	1.681305279	1.681305279	up	0.01931999	0.543236724
FLJ45079	FLJ45079 protein	1.681270318	1.681270318	up	0.030488627	0.581882081
FLT4	fms-related tyrosine kinase 4	1.681208166	1.681208166	up	0.025877877	0.566523191
SLC16A14	solute carrier family 16 member 14	1.681122711	1.681122711	up	0.004485335	0.370935325
PDE5A	phosphodiesterase 5A	1.681021724	1.681021724	up	0.013739207	0.511408446
B3GALNT1	beta-1,3-N-acetylgalactosaminyltransferase 1 (globoside blood group)	1.680652786	1.680652786	up	0.022510104	0.551250506
CCDC71	coiled-coil domain containing 71	1.680602306	1.680602306	up	0.03832187	0.612498409
PPTC7	PTC7 protein phosphatase homolog	1.680299458	1.680299458	up	0.016872855	0.530489988
SOAT2	sterol O-acyltransferase 2	1.680016073	1.680016073	up	0.048791467	0.62943979
TNFRSF10C	tumor necrosis factor receptor superfamily member 10c, decoy without an intracellular domain	1.67956198	1.67956198	up	0.019512844	0.546194159
CARF	calcium responsive transcription factor	1.679472729	1.679472729	up	0.038989472	0.613717043
SVIP	small VCP/p97-interacting protein	1.678817068	1.678817068	up	0.014976373	0.516640194
CXCL14	chemokine (C-X-C motif) ligand 14	1.678755007	1.678755007	up	0.013117676	0.508746116
TNNC2	troponin C type 2 (fast)	1.67847576	1.67847576	up	0.033903065	0.594474018
RASGRF1	Ras protein specific guanine nucleotide releasing factor 1	1.678312888	1.678312888	up	0.00466362	0.377936677
PARVB	parvin beta	1.677874762	1.677874762	up	0.028348086	0.57421459
ZFYVE9	zinc finger, FYVE domain containing 9	1.677646051	1.677646051	up	0.00965669	0.476360405
FAM122A	family with sequence similarity 122A	1.677413496	1.677413496	up	0.03236324	0.590078248
ENTPD4	ectonucleoside triphosphate diphosphohydrolase 4	1.67728173	1.67728173	up	0.02223131	0.550353494
QKI	QKI, KH domain containing, RNA binding	1.677087974	1.677087974	up	0.049563281	0.630325871
ALPK3	alpha kinase 3	1.677068599	1.677068599	up	0.021483166	0.549146
CFAP57	cilia and flagella associated protein 57	1.676440991	1.676440991	up	0.035893369	0.603048422
RSAD1	radical S-adenosyl methionine domain containing 1	1.67632092	1.67632092	up	0.016623274	0.526872128
C1RL-AS1	C1RL antisense RNA 1	1.676173747	1.676173747	up	0.028881391	0.574350948
PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	1.676011098	1.676011098	up	0.01801099	0.535584855
KRTAP13-3	keratin associated protein 13-3	1.675782642	1.675782642	up	0.041268097	0.623333169

TL4	transducin like enhancer of split 4	1.675449693	1.675449693	up	0.020579882	0.549146
CORO2B	coronin, actin binding protein, 2B	1.675364531	1.675364531	up	0.043389638	0.623333169
TRIM36	tripartite motif containing 36	1.674671781	1.674671781	up	0.016021505	0.524261476
LOC101060341	putative uncharacterized protein FLJ46235	1.67457892	1.67457892	up	0.013308899	0.509292857
LINC01347	long intergenic non-protein coding RNA 1347	1.67457892	1.67457892	up	0.013308899	0.509292857
LOC101927999	putative uncharacterized protein encoded by LINC00174	1.67457892	1.67457892	up	0.013308899	0.509292857
LOC100132287	uncharacterized LOC100132287	1.67457892	1.67457892	up	0.013308899	0.509292857
LOC100133331	uncharacterized LOC100133331	1.67457892	1.67457892	up	0.013308899	0.509292857
LOC101060128	putative uncharacterized protein encoded by LINC00174	1.67457892	1.67457892	up	0.013308899	0.509292857
LOC100132062	uncharacterized LOC100132062	1.67457892	1.67457892	up	0.013308899	0.509292857
LOC101929819	uncharacterized LOC101929819	1.67457892	1.67457892	up	0.013308899	0.509292857
LINC01001	long intergenic non-protein coding RNA 1001	1.67457892	1.67457892	up	0.013308899	0.509292857
LOC729737	uncharacterized LOC729737	1.67457892	1.67457892	up	0.013308899	0.509292857
GCLC	glutamate-cysteine ligase, catalytic subunit	1.674358396	1.674358396	up	0.008320991	0.460228374
EREG	epiregulin	1.674215264	1.674215264	up	0.001844187	0.267883415
ITGB6	integrin beta 6	1.674083748	1.674083748	up	0.002330942	0.298884417
LOC100505984	uncharacterized LOC100505984	1.674083748	1.674083748	up	0.002330942	0.298884417
ICA1	islet cell autoantigen 1	1.67402573	1.67402573	up	0.005811742	0.409879029
KDM5A	lysine (K)-specific demethylase 5A	1.673863289	1.673863289	up	0.034447155	0.596656508
RET	ret proto-oncogene	1.673809146	1.673809146	up	0.045564415	0.625770788
DMD	dystrophin	1.673638993	1.673638993	up	0.018816623	0.53988073
HIST2H2AC	histone cluster 2, H2ac	1.67285419	1.67285419	up	0.033297081	0.593014207
FGD1	FYVE, RhoGEF and PH domain containing 1	1.672834865	1.672834865	up	0.023755105	0.560818064
DOC2A	double C2-like domains, alpha	1.672738241	1.672738241	up	0.034117256	0.595139711
PBX1	pre-B-cell leukemia homeobox 1	1.672587519	1.672587519	up	0.047330588	0.627322764
ANKRD35	ankyrin repeat domain 35	1.672502502	1.672502502	up	0.045017144	0.623564284
EYA2	EYA transcriptional coactivator and phosphatase 2	1.672162478	1.672162478	up	0.024724647	0.563837901
USP36	ubiquitin specific peptidase 36	1.672092936	1.672092936	up	0.04775499	0.627854743
AIG1	androgen-induced 1	1.672069756	1.672069756	up	0.018247807	0.536306821
USO1	USO1 vesicle transport factor	1.672042713	1.672042713	up	0.008632768	0.466623412
SCGB2B3P	secretoglobin, family 2B, member 3, pseudogene	1.671922957	1.671922957	up	0.027424143	0.568462255
PRIMA1	proline rich membrane anchor 1	1.671679608	1.671679608	up	0.047869734	0.627854743
MAGIX	MAGI family member, X-linked	1.671679608	1.671679608	up	0.016735444	0.528635316
KIAA0930	KIAA0930	1.671617811	1.671617811	up	0.017460551	0.531030242
G6PD	glucose-6-phosphate dehydrogenase	1.671444019	1.671444019	up	0.002519128	0.309987919
CAMK2N1	calcium/calmodulin-dependent protein kinase II inhibitor 1	1.670888004	1.670888004	up	6.93227E-05	0.051488483
CLCC1	chloride channel CLIC-like 1	1.670718147	1.670718147	up	0.010516895	0.486801343
GNE	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine 6-phosphate 4-epimerase	1.670644806	1.670644806	up	0.010600968	0.486801343
SLC22A7	solute carrier family 22 (organic anion transporter), member 7	1.670405502	1.670405502	up	0.029991424	0.579152964
RSPH6A	radial spoke head 6 homolog A (Chlamydomonas)	1.670170092	1.670170092	up	0.026080888	0.567622316
SLC2A9	solute carrier family 2 (facilitated glucose transporter), member 9	1.669957865	1.669957865	up	0.016282626	0.524267534
RACGAP1	Rac GTPase activating protein 1	1.669803535	1.669803535	up	0.008997118	0.466623412
FGD4	FYVE, RhoGEF and PH domain containing 4	1.66935606	1.66935606	up	0.009316757	0.470801192
SYT2	synaptotagmin II	1.669348346	1.669348346	up	0.026432774	0.568317266
PAPOLB	poly(A) polymerase beta	1.669089946	1.669089946	up	0.0392424	0.614613629
DOCK8	dedicator of cytokinesis 8	1.668993538	1.668993538	up	0.024188923	0.562764151
SLC1A3	solute carrier family 1 (glial high affinity glutamate transporter), member 2	1.668426774	1.668426774	up	0.008957064	0.466623412
PNISR	PNN-interacting serine/arginine-rich protein	1.668314986	1.668314986	up	0.004061325	0.35779398
GNAO1	guanine nucleotide binding protein (G protein), alpha activating activity nonventile G	1.668307277	1.668307277	up	0.01164149	0.495320532
CBX5	chromobox 5	1.668257168	1.668257168	up	0.024299273	0.563333857
BDNF	brain-derived neurotrophic factor	1.667779279	1.667779279	up	0.013437036	0.509292857
ANK3	ankyrin 3, node of Ranvier (ankyrin G)	1.667682947	1.667682947	up	0.015813855	0.522241955
MST1	macrophage stimulating 1	1.667555798	1.667555798	up	0.031910526	0.589351082
KRT15	keratin 15, type I	1.667544239	1.667544239	up	0.000294103	0.123163556

CEP95	centrosomal protein 95kDa	1.667239892	1.667239892	up	0.003338469	0.338252205
RASGRP4	RAS guanyl releasing protein 4	1.666900938	1.666900938	up	0.022015545	0.550085548
FGF11	fibroblast growth factor 11	1.666731487	1.666731487	up	0.034165525	0.595139711
DNAAF1	dynein, axonemal, assembly factor 1	1.666619812	1.666619812	up	0.027325877	0.56844604
RAC3	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	1.666600559	1.666600559	up	0.00131395	0.241699342
AKR1C3	aldo-keto reductase family 1, member C3	1.666473492	1.666473492	up	0.044614308	0.623333169
SWAP70	SWAP switching B-cell complex 70kDa subunit	1.666061553	1.666061553	up	0.040552734	0.623005985
ACTR2	ARP2 actin-related protein 2 homolog (yeast)	1.665468848	1.665468848	up	0.000666525	0.18477288
VPS36	vacuolar protein sorting 36 homolog (S. cerevisiae)	1.665341867	1.665341867	up	0.001769226	0.26084488
SMOC2	SPARC related modular calcium binding 2	1.665284152	1.665284152	up	0.016138276	0.524267534
NF1	neurofibromin 1	1.66510717	1.66510717	up	0.027935092	0.572828574
CCR6	chemokine (C-C motif) receptor 6	1.66485712	1.66485712	up	0.026885344	0.568317266
OR6N2	olfactory receptor, family 6, subfamily N, member 2	1.664807115	1.664807115	up	0.03187103	0.589351082
CGREF1	cell growth regulator with EF-hand domain 1	1.664760957	1.664760957	up	0.022637541	0.551250506
ATP7A	ATPase, Cu++ transporting, alpha polypeptide	1.664749418	1.664749418	up	0.03808768	0.612253826
TRIL	TLR4 interactor with leucine-rich repeats	1.664745572	1.664745572	up	0.032401694	0.590283874
BORCS5	BLOC-1 related complex subunit 5	1.664703262	1.664703262	up	0.007372525	0.437407205
HPCAL4	hippocalcin like 4	1.66428407	1.66428407	up	0.049046249	0.62943979
CASC5	cancer susceptibility candidate 5	1.66420332	1.66420332	up	0.032763134	0.590424587
THOC3	THO complex 3	1.664018765	1.664018765	up	0.044071824	0.623333169
PEX26	peroxisomal biogenesis factor 26	1.66388805	1.66388805	up	0.041309845	0.623333169
MEI1	meiotic double-stranded break formation protein 1	1.663811164	1.663811164	up	0.042749034	0.623333169
TNFAIP2	TNF alpha induced protein 2	1.663684309	1.663684309	up	0.007831399	0.446814625
CLDN1	claudin 1	1.663549777	1.663549777	up	0.018928401	0.540331052
C9orf3	chromosome 9 open reading frame 3	1.663434473	1.663434473	up	0.018414065	0.537128348
CPT1C	carnitine palmitoyltransferase 1C	1.663230788	1.663230788	up	0.001220714	0.240074176
GPATCH2	G-patch domain containing 2	1.662285708	1.662285708	up	0.04228762	0.623333169
OLFM2	olfactomedin 2	1.662258824	1.662258824	up	0.036632684	0.604603394
LOXL2	lysyl oxidase like 2	1.662239621	1.662239621	up	0.025531387	0.566329497
LOC100506276	uncharacterized LOC100506276	1.662039922	1.662039922	up	0.041642759	0.623333169
RBM43	RNA binding motif protein 43	1.661644436	1.661644436	up	0.043419956	0.623333169
FBXL20	F-box and leucine-rich repeat protein 20	1.66157917	1.66157917	up	0.017502364	0.531030242
MESTIT1	MEST intronic transcript 1, antisense RNA	1.661448647	1.661448647	up	0.037095548	0.60692696
PGBD5	piggyBac transposable element derived 5	1.661272074	1.661272074	up	0.046287075	0.627185789
FARS2	phenylalanyl-tRNA synthetase 2, mitochondrial	1.661252882	1.661252882	up	0.013139484	0.509090329
USP45	ubiquitin specific peptidase 45	1.66119147	1.66119147	up	0.01990404	0.549146
RPS6	ribosomal protein S6	1.661064816	1.661064816	up	0.040546746	0.623005985
ZYX	zyxin	1.660991898	1.660991898	up	0.000892871	0.207975631
ANTXR1	anthrax toxin receptor 1	1.66098806	1.66098806	up	0.021622331	0.550085548
GLIS3	GLIS family zinc finger 3	1.660700258	1.660700258	up	0.025614579	0.566329497
ZCCHC24	zinc finger, CCHC domain containing 24	1.66053911	1.66053911	up	0.004970476	0.388818027
NOTUM	notum pectinacetyltransferase homolog (Drosophila)	1.660493071	1.660493071	up	0.049626327	0.630325871
NT5C1A	5'-nucleotidase, cytosolic 1A	1.659890841	1.659890841	up	0.047066124	0.627322764
SSBP2	single-stranded DNA binding protein 2	1.659254326	1.659254326	up	0.021950974	0.550085548
HLA-DMA	major histocompatibility complex, class II, DM alpha	1.659154653	1.659154653	up	0.01723808	0.530571823
LRRTM4	leucine rich repeat transmembrane neuronal 4	1.659116319	1.659116319	up	0.041619166	0.623333169
CDKN3	cyclin-dependent kinase inhibitor 3	1.658173577	1.658173577	up	0.033037864	0.592229281
LINC00654	long intergenic non-protein coding RNA 654	1.657974367	1.657974367	up	0.033123143	0.59236436
PFAS	phosphoribosylformylglycinamide synthase	1.657913077	1.657913077	up	0.014058578	0.513372826
PACRGL	PARK2 co-regulated like	1.657568359	1.657568359	up	0.041921905	0.623333169
NAGS	N-acetylglutamate synthase	1.657453469	1.657453469	up	0.033076216	0.592343125
RILPL1	Rab interacting lysosomal protein-like 1	1.657388368	1.657388368	up	0.049601982	0.630325871
MBD3L2	methyl-CpG binding domain protein 3-like 2	1.657353904	1.657353904	up	0.044912259	0.623333169
MBD3L4	methyl-CpG binding domain protein 3-like 4	1.657353904	1.657353904	up	0.044912259	0.623333169

MBD3L5	methyl-CpG binding domain protein 3-like 5	1.657353904	1.657353904	up	0.044912259	0.623333169
MBD3L3	methyl-CpG binding domain protein 3-like 3	1.657353904	1.657353904	up	0.044912259	0.623333169
MYO18A	myosin XVIII A	1.65732327	1.65732327	up	0.03670541	0.604817277
CCDC186	coiled-coil domain containing 186	1.65727732	1.65727732	up	0.026507405	0.568317266
PAPOLA	poly(A) polymerase alpha	1.657047589	1.657047589	up	0.021919286	0.550085548
CNOT6L	CCR4-NOT transcription complex subunit 6-like	1.656645635	1.656645635	up	0.045618793	0.625770788
TTC3	tetratricopeptide repeat domain 3	1.656645635	1.656645635	up	0.009456447	0.473604392
TRIM16	tripartite motif containing 16	1.656534637	1.656534637	up	0.000549992	0.165072126
TRIM16L	tripartite motif containing 16-like	1.656534637	1.656534637	up	0.000549992	0.165072126
PDCD6IP	programmed cell death 6 interacting protein	1.655853498	1.655853498	up	0.002916412	0.326149299
RIMKLA	ribosomal modification protein rimK-like family member A	1.65581524	1.65581524	up	0.0458793	0.627096746
PASK	PAS domain containing serine/threonine kinase	1.65581524	1.65581524	up	0.022015675	0.550085548
USP42	ubiquitin specific peptidase 42	1.655612488	1.655612488	up	0.022771572	0.551784312
AGR2	anterior gradient 2, protein disulphide isomerase family member	1.655513034	1.655513034	up	0.0068271	0.430926948
ABCG2	ATP binding cassette subfamily G member 2 (Junior blood group)	1.655497734	1.655497734	up	0.007684805	0.44458454
DOCK7	dedicator of cytokinesis 7	1.655394462	1.655394462	up	0.017550371	0.531030242
RAB12	RAB12, member RAS oncogene family	1.655310319	1.655310319	up	0.034004132	0.595139711
PARM1	prostate androgen-regulated mucin-like protein 1	1.655004381	1.655004381	up	0.014988012	0.516640194
PPP1R36	protein phosphatase 1 regulatory subunit 36	1.654981438	1.654981438	up	0.024648772	0.563613185
RGL1	ral guanine nucleotide dissociation stimulator-like 1	1.654966142	1.654966142	up	0.04262105	0.623333169
PLEKHH2	pleckstrin homology, MyTH4 and FERM domain containing H2	1.654927905	1.654927905	up	0.032315556	0.589996854
TMEM128	transmembrane protein 128	1.654916434	1.654916434	up	0.023310017	0.556498532
KSR1	kinase suppressor of ras 1	1.654916434	1.654916434	up	0.020959536	0.549146
TSPYL2	TSPY-like 2	1.654759671	1.654759671	up	0.023872627	0.561713077
GNS	glucosamine (N-acetyl)-6-sulfatase	1.65467556	1.65467556	up	0.01970679	0.548238708
MKRN3	makorin ring finger protein 3	1.654622038	1.654622038	up	0.048777339	0.62943979
ZFP91-CNTF	ZFP91-CNTF readthrough (NMD candidate)	1.65417863	1.65417863	up	0.047456723	0.627322764
CNTF	ciliary neurotrophic factor	1.65417863	1.65417863	up	0.047456723	0.627322764
OS9	osteosarcoma amplified 9, endoplasmic reticulum lectin	1.653853795	1.653853795	up	0.003785577	0.351292726
LTBP1	latent transforming growth factor beta binding protein 1	1.653735342	1.653735342	up	0.030902914	0.583508935
FMR1	fragile X mental retardation 1	1.65357105	1.65357105	up	0.03194937	0.589351082
CALCOCO1	calcium binding and coiled-coil domain 1	1.653448796	1.653448796	up	0.029609624	0.57728016
NAAA	N-acylethanolamine acid amidase	1.653368572	1.653368572	up	0.014458121	0.51506237
ITGAX	integrin alpha X	1.653250154	1.653250154	up	0.041137743	0.623333169
SERPINF2	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2	1.653093549	1.653093549	up	0.021130919	0.549146
SETBP1	SET binding protein 1	1.652872035	1.652872035	up	0.045422919	0.624763521
NUAK1	NUAK family, SNF1-like kinase, 1	1.652772745	1.652772745	up	0.003209861	0.333998479
MMAB	methylmalonic aciduria (cobalamin deficiency) cblB type	1.652642914	1.652642914	up	0.001127126	0.228707858
GNAZ	guanine nucleotide binding protein (G protein), alpha z polypeptide	1.651951925	1.651951925	up	0.010204409	0.483971757
C14orf93	chromosome 14 open reading frame 93	1.651906124	1.651906124	up	0.039057052	0.613731439
MAGI2	membrane associated guanylate kinase, WW and PDZ domain	1.651879407	1.651879407	up	0.032730381	0.590424587
PPA2	pyrophosphatase (inorganic) 2	1.651551208	1.651551208	up	0.035219129	0.600433528
CDH23	cadherin-related 23	1.651013255	1.651013255	up	0.039869518	0.620096235
DMPK	dystrophin myotonia protein kinase	1.650879747	1.650879747	up	0.022258429	0.550353494
ACOX2	acyl-CoA oxidase 2, branched chain	1.650509797	1.650509797	up	0.042218149	0.623333169
SLC2A5	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	1.65004843	1.65004843	up	0.047112707	0.627322764
DLST	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	1.649747276	1.649747276	up	0.001537397	0.251952305
NR4A1	nuclear receptor subfamily 4 group A member 1	1.649587191	1.649587191	up	0.021825171	0.550085548
TULP4	tubby like protein 4	1.649434744	1.649434744	up	0.006538205	0.423316505
EFHC2	EF-hand domain (C-terminal) containing 2	1.649316607	1.649316607	up	0.038304615	0.612498409
COQ4	coenzyme Q4	1.649160375	1.649160375	up	0.031392869	0.586341196
STRADA	STE20-related kinase adaptor alpha	1.649084169	1.649084169	up	0.02940964	0.576629742
DNAJC30	DnaJ heat shock protein family (Hsp40) member C30	1.648783191	1.648783191	up	0.003652236	0.349787905
EBNA1BP2	EBNA1 binding protein 2	1.648459416	1.648459416	up	0.047400529	0.627322764

ZNF419	zinc finger protein 419	1.647945315	1.647945315	up	0.032294911	0.589996854
CD80	CD80 molecule	1.647808248	1.647808248	up	0.046523511	0.627185789
GABARAP	GABA(A) receptor-associated protein	1.647762562	1.647762562	up	0.013817153	0.511408446
ZBTB49	zinc finger and BTB domain containing 49	1.647720684	1.647720684	up	0.044482553	0.623333169
SUGP1	SURP and G-patch domain containing 1	1.647545569	1.647545569	up	0.0272058	0.568317266
PBX2	pre-B-cell leukemia homeobox 2	1.647515116	1.647515116	up	0.045694834	0.625770788
PDLIM3	PDZ and LIM domain 3	1.647461825	1.647461825	up	0.034819286	0.598019712
CCDC53	coiled-coil domain containing 53	1.647187784	1.647187784	up	0.017153458	0.530571823
TRPV4	transient receptor potential cation channel, subfamily V, member 4	1.647020337	1.647020337	up	0.028673389	0.574350948
AFAP1L1	actin filament associated protein 1 like 1	1.646970867	1.646970867	up	0.020997387	0.549146
CEND1	cell cycle exit and neuronal differentiation 1	1.646879542	1.646879542	up	0.041373728	0.623333169
MANEA	mannosidase, endo-alpha	1.646795832	1.646795832	up	0.027225997	0.568317266
BBOF1	basal body orientation factor 1	1.646750174	1.646750174	up	0.010950866	0.489869256
PNMA2	paraneoplastic Ma antigen 2	1.646259428	1.646259428	up	0.03151993	0.587491497
SMAD6	SMAD family member 6	1.646228999	1.646228999	up	0.027748786	0.571601753
HLA-F	major histocompatibility complex, class I, F	1.646084468	1.646084468	up	0.001136427	0.229412627
LOC643923	uncharacterized LOC643923	1.645924739	1.645924739	up	0.049629617	0.630325871
ELMOD1	ELMO/CED-12 domain containing 1	1.645924739	1.645924739	up	0.049629617	0.630325871
DEGS2	delta(4)-desaturase, sphingolipid 2	1.645879105	1.645879105	up	0.020675302	0.549146
ARHGAP29	Rho GTPase activating protein 29	1.645871499	1.645871499	up	0.046363605	0.627185789
GLS2	glutaminase 2	1.64577263	1.64577263	up	0.047797729	0.627854743
ACVR1B	activin A receptor type IB	1.645715593	1.645715593	up	0.015670343	0.522063677
TMEM104	transmembrane protein 104	1.6455559	1.6455559	up	0.022549383	0.551250506
NFKBID	nuclear factor of kappa light polypeptide gene enhancer in B-cells	1.644928682	1.644928682	up	0.017201612	0.530571823
LY86	lymphocyte antigen 86	1.644902078	1.644902078	up	0.048464093	0.628803231
NR2C1	nuclear receptor subfamily 2 group C member 1	1.644662662	1.644662662	up	0.008628568	0.466623412
OGDHL	oxoglutarate dehydrogenase-like	1.644286508	1.644286508	up	0.012543438	0.50479245
MEIS2	Meis homeobox 2	1.644278909	1.644278909	up	0.020653048	0.549146
ARHGAP18	Rho GTPase activating protein 18	1.644157343	1.644157343	up	0.012628506	0.5051069
C17orf102	chromosome 17 open reading frame 102	1.644039584	1.644039584	up	0.048850964	0.62943979
TFDP1	transcription factor Dp-1	1.643731931	1.643731931	up	0.025752221	0.566329497
FCGRT	Fc fragment of IgG, receptor, transporter, alpha	1.643504078	1.643504078	up	0.041176759	0.623333169
POLG2	polymerase (DNA directed), gamma 2, accessory subunit	1.643044668	1.643044668	up	0.00610059	0.414771056
LIPG	lipase, endothelial	1.642832093	1.642832093	up	0.033448115	0.593014207
CALD1	caldesmon 1	1.642771362	1.642771362	up	0.004899522	0.384969395
DCAF13	DDB1 and CUL4 associated factor 13	1.642706838	1.642706838	up	0.003385529	0.338252205
KLK10	kallikrein related peptidase 10	1.642577797	1.642577797	up	0.004479409	0.370935325
TP53	tumor protein p53	1.641572388	1.641572388	up	0.020500744	0.549146
STOM	stomatin	1.641469984	1.641469984	up	0.019148128	0.541887884
FBXO45	F-box protein 45	1.641219692	1.641219692	up	0.045191846	0.624555255
TTI2	TELO2 interacting protein 2	1.641049059	1.641049059	up	0.014843544	0.516115951
NIPAL4	NIPA-like domain containing 4	1.641033893	1.641033893	up	0.030215222	0.579778515
FNBP1L	formin binding protein 1-like	1.640901193	1.640901193	up	0.00866489	0.466623412
EIF3G	eukaryotic translation initiation factor 3 subunit G	1.640461462	1.640461462	up	0.047377388	0.627322764
EHHADH	enoyl-CoA, hydratase/3-hydroxyacyl CoA dehydrogenase	1.640150689	1.640150689	up	0.023278526	0.556498532
ITGB7	integrin beta 7	1.640037007	1.640037007	up	0.037510152	0.609325627
FTH1	ferritin, heavy polypeptide 1	1.639942277	1.639942277	up	0.003823593	0.351759623
ARL4C	ADP ribosylation factor like GTPase 4C	1.639802088	1.639802088	up	0.01568218	0.522063677
BOC	BOC cell adhesion associated, oncogene regulated	1.63979451	1.63979451	up	0.046517301	0.627185789
CHAC1	ChaC glutathione-specific gamma-glutamylcyclotransferase 1	1.639703583	1.639703583	up	0.02280587	0.551784312
SLC2A3	solute carrier family 2 (facilitated glucose transporter), member 3	1.639313412	1.639313412	up	0.018256094	0.536306821
SLC2A14	solute carrier family 2 (facilitated glucose transporter), member 14	1.639313412	1.639313412	up	0.018256094	0.536306821
CLGN	calmegin	1.639222512	1.639222512	up	0.027378984	0.56844604
GNG7	guanine nucleotide binding protein (G protein), gamma 7	1.639177064	1.639177064	up	0.042103959	0.623333169

RHBDL2	rhomboid, veinlet-like 2 (Drosophila)	1.639033152	1.639033152	up	0.026815447	0.568317266
ATP6V1E2	ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E2	1.639021791	1.639021791	up	0.021170801	0.549146
ZNF564	zinc finger protein 564	1.638787018	1.638787018	up	0.013002619	0.508400247
KIAA0319L	KIAA0319-like	1.63854092	1.63854092	up	0.018105505	0.536306821
FAM213B	family with sequence similarity 213 member B	1.638419778	1.638419778	up	0.041083571	0.623333169
ADD3	adducin 3	1.638238081	1.638238081	up	0.001684031	0.255663523
COX15	cytochrome c oxidase assembly homolog 15 (yeast)	1.637848259	1.637848259	up	0.035910337	0.603076123
NEO1	neogenin 1	1.637594735	1.637594735	up	0.011315798	0.491885982
FKBP10	FK506 binding protein 10	1.637235328	1.637235328	up	0.008743318	0.466623412
ITGB4	integrin beta 4	1.637205066	1.637205066	up	0.003462146	0.339991958
DND1	DND microRNA-mediated repression inhibitor 1	1.637046198	1.637046198	up	0.007781515	0.446499763
TMEM144	transmembrane protein 144	1.636618845	1.636618845	up	0.013947936	0.511949108
PCSK6	proprotein convertase subtilisin/kexin type 6	1.636206725	1.636206725	up	0.018334853	0.537128348
MUTYH	mutY DNA glycosylase	1.635246775	1.635246775	up	0.005207437	0.39485568
LRTOMT	leucine rich transmembrane and O-methyltransferase domain containing	1.635095653	1.635095653	up	0.008661126	0.466623412
MTRF1L	mitochondrial fission regulator 1-like	1.634970988	1.634970988	up	0.026517568	0.568317266
PLCE1	phospholipase C epsilon 1	1.634944545	1.634944545	up	0.018181836	0.536306821
S1PR4	sphingosine-1-phosphate receptor 4	1.634857664	1.634857664	up	0.041979624	0.623333169
DBT	dihydroipoamide branched chain transacylase E2	1.634736794	1.634736794	up	0.003042953	0.326391956
RALGAPB	Ral GTPase activating protein, beta subunit (non-catalytic)	1.63460838	1.63460838	up	0.04704737	0.627322764
ETFDH	electron-transferring-flavoprotein dehydrogenase	1.634600827	1.634600827	up	0.012443746	0.503406041
ZNF239	zinc finger protein 239	1.63455173	1.63455173	up	0.003704902	0.349787905
SEMA4F	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain. (semanhorin) 4F	1.634344029	1.634344029	up	0.026944125	0.568317266
CRIP2	cysteine-rich protein 2	1.633751283	1.633751283	up	0.013421478	0.509292857
RELA	v-rel avian reticuloendotheliosis viral oncogene homolog A	1.633577653	1.633577653	up	0.044280561	0.623333169
PTGES3L	prostaglandin E synthase 3 (cytosolic)-like	1.633562556	1.633562556	up	0.048984615	0.62943979
ZNF326	zinc finger protein 326	1.633558781	1.633558781	up	0.003992305	0.357261063
PHF21A	PHD finger protein 21A	1.633464426	1.633464426	up	0.025267229	0.565656951
NKX2-5	NK2 homeobox 5	1.633404041	1.633404041	up	0.027604759	0.570725492
TM7SF2	transmembrane 7 superfamily member 2	1.633396494	1.633396494	up	0.027065785	0.568317266
UBP1	upstream binding protein 1 (LBP-1a)	1.633354981	1.633354981	up	0.024170476	0.562764151
FLJ42393	uncharacterized LOC401105	1.633347433	1.633347433	up	0.010973478	0.489992559
IGF1R	insulin like growth factor 1 receptor	1.633298374	1.633298374	up	0.032313582	0.589996854
DYNLT3	dynein, light chain, Tctex-type 3	1.633268184	1.633268184	up	0.000767563	0.195840366
PPFIBP1	PTPRF interacting protein, binding protein 1 (liprin beta 1)	1.6330531	1.6330531	up	0.011909035	0.495320532
COLGALT2	collagen beta(1-O)galactosyltransferase 2	1.632936137	1.632936137	up	0.025616545	0.566329497
KCNQ2	potassium channel, voltage gated KQT-like subfamily Q, member 2	1.632917273	1.632917273	up	0.049703484	0.630325871
NPAT	nuclear protein, ataxia-telangiectasia locus	1.632777683	1.632777683	up	0.049388704	0.630325871
ELFN1	extracellular leucine-rich repeat and fibronectin type III domain containing 1	1.632743731	1.632743731	up	0.029276683	0.576629742
ADAM17	ADAM metalloproteinase domain 17	1.632087459	1.632087459	up	0.006216561	0.414771056
HOMER2	homer scaffolding protein 2	1.631849908	1.631849908	up	0.045583135	0.625770788
USP15	ubiquitin specific peptidase 15	1.631770732	1.631770732	up	0.047429504	0.627322764
CSDC2	cold shock domain containing C2, RNA binding	1.631748111	1.631748111	up	0.036323804	0.603215176
LMBRD2	LMBR1 domain containing 2	1.63169156	1.63169156	up	0.008530293	0.466158616
ZNF37A	zinc finger protein 37A	1.6316614	1.6316614	up	0.040744313	0.623259064
PLEKHM3	pleckstrin homology domain containing M3	1.631631241	1.631631241	up	0.046221871	0.627185789
PPIC	peptidylprolyl isomerase C (cyclophilin C)	1.631469145	1.631469145	up	0.001708104	0.255663523
KRT2	keratin 2, type II	1.631333448	1.631333448	up	0.043235714	0.623333169
RHOU	ras homolog family member U	1.63117515	1.63117515	up	0.04902211	0.62943979
TP53I11	tumor protein p53 inducible protein 11	1.63106209	1.63106209	up	0.041282397	0.623333169
CNST	consortin, connexin sorting protein	1.630930196	1.630930196	up	0.041222148	0.623333169
GJC1	gap junction protein gamma 1	1.630711652	1.630711652	up	0.040544386	0.623005985
BMP8A	bone morphogenetic protein 8a	1.630542112	1.630542112	up	0.048127761	0.627892392
RPRD1A	regulation of nuclear pre-mRNA domain containing 1A	1.630349989	1.630349989	up	0.005941322	0.413214927

PPP1R11	protein phosphatase 1 regulatory inhibitor subunit 11	1.630067495	1.630067495	up	0.045127122	0.624184523
ELF2	E74-like factor 2 (ets domain transcription factor)	1.629916852	1.629916852	up	0.024598264	0.563613185
VLDLR	very low density lipoprotein receptor	1.629845301	1.629845301	up	0.026882068	0.568317266
C19orf12	chromosome 19 open reading frame 12	1.62951395	1.62951395	up	0.033446345	0.593014207
LBH	limb bud and heart development	1.629314418	1.629314418	up	0.006711654	0.42771383
PKP2	plakophilin 2	1.628968119	1.628968119	up	0.00262914	0.314577816
LURAP1	leucine rich adaptor protein 1	1.628862739	1.628862739	up	0.038287034	0.612498409
ZNF668	zinc finger protein 668	1.628821341	1.628821341	up	0.037676007	0.610579997
MYADM	myeloid-associated differentiation marker	1.628584266	1.628584266	up	0.002646192	0.315658588
DYX1C1-CCPG1	DYX1C1-CCPG1 readthrough (NMD candidate)	1.628475147	1.628475147	up	0.00517298	0.394640262
CCPG1	cell cycle progression 1	1.628475147	1.628475147	up	0.00517298	0.394640262
SCUBE3	signal peptide, CUB domain, EGF-like 3	1.628087648	1.628087648	up	0.040860377	0.623333169
MYH9	myosin, heavy chain 9, non-muscle	1.628027462	1.628027462	up	0.003162819	0.331128625
BACE1	beta-site APP-cleaving enzyme 1	1.627591182	1.627591182	up	0.014418106	0.51506237
WDR1	WD repeat domain 1	1.627508452	1.627508452	up	0.000147144	0.078274868
SLC9A8	solute carrier family 9, subfamily A (NHE8, cation proton antiporter member 8)	1.627459568	1.627459568	up	0.047431444	0.627322764
GCC2	GRIP and coiled-coil domain containing 2	1.627339246	1.627339246	up	0.007457162	0.438278902
MYL9	myosin light chain 9	1.62693698	1.62693698	up	0.000132285	0.074677857
FRMPD2B	FERM and PDZ domain containing 2B, pseudogene	1.626534815	1.626534815	up	0.035206606	0.600433528
FRMPD2	FERM and PDZ domain containing 2	1.626534815	1.626534815	up	0.035206606	0.600433528
FERMT2	fermitin family member 2	1.626482202	1.626482202	up	0.00188545	0.272870376
NQO1	NAD(P)H dehydrogenase, quinone 1	1.626294314	1.626294314	up	1.49343E-05	0.015923666
THOC2	THO complex 2	1.626290557	1.626290557	up	0.012571003	0.504821772
POLDIP3	polymerase (DNA-directed), delta interacting protein 3	1.625922361	1.625922361	up	0.017125806	0.530571823
JMY	junction mediating and regulatory protein, p53 cofactor	1.625839716	1.625839716	up	0.03262948	0.590424587
WDR92	WD repeat domain 92	1.625753319	1.625753319	up	0.034497402	0.596656508
TRAPPC8	trafficking protein particle complex 8	1.625362712	1.625362712	up	0.04612677	0.627185789
ANKRD2	ankyrin repeat domain 2 (stretch responsive muscle)	1.625250054	1.625250054	up	0.033668723	0.593014207
C1orf131	chromosome 1 open reading frame 131	1.625216259	1.625216259	up	0.004831984	0.381949914
TOM1	target of myb1 membrane trafficking protein	1.625193728	1.625193728	up	0.044316665	0.623333169
ALG11	ALG11, alpha-1,2-mannosyltransferase	1.624874585	1.624874585	up	0.005527779	0.401886731
UTP14C	UTP14, U3 small nucleolar ribonucleoprotein, homolog C (yeast)	1.624874585	1.624874585	up	0.005527779	0.401886731
WWTR1	WW domain containing transcription regulator 1	1.624600548	1.624600548	up	0.0222042	0.550353494
CD163L1	CD163 molecule like 1	1.624574272	1.624574272	up	0.002191223	0.288675084
PSIP1	PC4 and SFRS1 interacting protein 1	1.623887515	1.623887515	up	0.003710098	0.349787905
CTGF	connective tissue growth factor	1.623613644	1.623613644	up	0.003154718	0.331128625
FAM49A	family with sequence similarity 49 member A	1.623384828	1.623384828	up	0.007865463	0.446814625
CD2AP	CD2-associated protein	1.622893546	1.622893546	up	0.022702966	0.551668068
SEMA5B	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain.	1.622792308	1.622792308	up	0.040511088	0.623005985
DYNC1H1	dynein, cytoplasmic 1, heavy chain 1	1.622668581	1.622668581	up	0.026957267	0.568317266
SIPA1L2	signal-induced proliferation-associated 1 like 2	1.622274967	1.622274967	up	0.002245868	0.293716231
SHISA4	shisa family member 4	1.622080069	1.622080069	up	0.000964573	0.21697376
FBXO10	F-box protein 10	1.62199762	1.62199762	up	0.046313278	0.627185789
GDA	guanine deaminase	1.62199762	1.62199762	up	0.004226943	0.361725211
ZNF621	zinc finger protein 621	1.621941407	1.621941407	up	0.02318844	0.55642591
KRTAP10-8	keratin associated protein 10-8	1.621896437	1.621896437	up	0.007108759	0.434730278
ZNF57	zinc finger protein 57	1.621506757	1.621506757	up	0.01573622	0.522063677
DIS3L2	DIS3 like 3'-5' exoribonuclease 2	1.621386874	1.621386874	up	0.005969305	0.413214927
GRAMD4	GRAM domain containing 4	1.62122205	1.62122205	up	0.02132624	0.549146
SLC16A7	solute carrier family 16 (monocarboxylate transporter), member 7	1.620948628	1.620948628	up	0.025070774	0.565551322
LRP10	LDL receptor related protein 10	1.620944883	1.620944883	up	0.025713995	0.566329497
PRKAA2	protein kinase, AMP-activated, alpha 2 catalytic subunit	1.620738911	1.620738911	up	0.017115936	0.530571823
SRF	serum response factor	1.620420643	1.620420643	up	0.002659686	0.315760691
FXYD3	FXYD domain containing ion transport regulator 3	1.620342022	1.620342022	up	0.000757164	0.195840366

TRAK1	trafficking protein, kinesin binding 1	1.62033079	1.62033079	up	0.025206784	0.565656951
RAD21	RAD21 cohesin complex component	1.620267148	1.620267148	up	0.000476018	0.154312327
KRTDAP	keratinocyte differentiation-associated protein	1.620225968	1.620225968	up	0.047103464	0.627322764
GDAP1	ganglioside induced differentiation associated protein 1	1.620158586	1.620158586	up	0.03092086	0.583508935
SMAD3	SMAD family member 3	1.620102437	1.620102437	up	0.00375219	0.350843151
MDK	midkine (neurite growth-promoting factor 2)	1.619866631	1.619866631	up	0.000433343	0.145799553
LPP	LIM domain containing preferred translocation partner in lipoma	1.619552275	1.619552275	up	0.024637849	0.563613185
ANXA9	annexin A9	1.619492405	1.619492405	up	0.012804289	0.5057776
SNHG12	small nucleolar RNA host gene 12	1.619447504	1.619447504	up	0.004017254	0.35778104
SNORA16A	small nucleolar RNA, H/ACA box 16A	1.619447504	1.619447504	up	0.004017254	0.35778104
SLC17A5	solute carrier family 17 (acidic sugar transporter), member 5	1.619350222	1.619350222	up	0.025139149	0.565551322
KLHL9	kelch like family member 9	1.619237981	1.619237981	up	0.029876441	0.579152964
HMGB1	high mobility group box 1	1.619103302	1.619103302	up	0.009672471	0.476541686
AMDHD2	amidohydrolase domain containing 2	1.618819017	1.618819017	up	0.014972923	0.516640194
ELMOD3	ELMO/CED-12 domain containing 3	1.618579658	1.618579658	up	0.010090681	0.480015301
MSTO1	misato 1, mitochondrial distribution and morphology regulator	1.61841138	1.61841138	up	0.016364526	0.524267534
MSTO2P	misato family member 2, pseudogene	1.61841138	1.61841138	up	0.016364526	0.524267534
CEP70	centrosomal protein 70kDa	1.618329117	1.618329117	up	0.005903958	0.41207323
PCK2	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	1.617798247	1.617798247	up	0.019079001	0.541879415
PEX1	peroxisomal biogenesis factor 1	1.617260077	1.617260077	up	0.043039784	0.623333169
RAB11B	RAB11B, member RAS oncogene family	1.617233921	1.617233921	up	0.019225588	0.542909083
TNS3	tensin 3	1.617140509	1.617140509	up	0.028351898	0.57421459
VPS52	VPS52 GARP complex subunit	1.617035893	1.617035893	up	0.01211766	0.499488693
ZBTB6	zinc finger and BTB domain containing 6	1.616946228	1.616946228	up	0.043084444	0.623333169
BPHL	biphenyl hydrolase-like (serine hydrolase)	1.616867775	1.616867775	up	0.013110992	0.508746116
PRRC2C	proline-rich coiled-coil 2C	1.616759442	1.616759442	up	0.026446826	0.568317266
SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	1.616729558	1.616729558	up	0.044665889	0.623333169
PODN	podocan	1.616576412	1.616576412	up	0.025896251	0.566523191
ASB16	ankyrin repeat and SOCS box containing 16	1.616550267	1.616550267	up	0.026973538	0.568317266
EPB41L4A	erythrocyte membrane protein band 4.1 like 4A	1.616385934	1.616385934	up	0.020803628	0.549146
INTS6	integrator complex subunit 6	1.616191744	1.616191744	up	0.025141894	0.565551322
TTC14	tetratricopeptide repeat domain 14	1.616049851	1.616049851	up	0.0245262	0.563613185
WDR81	WD repeat domain 81	1.616005045	1.616005045	up	0.044806126	0.623333169
PCM1	pericentriolar material 1	1.615986377	1.615986377	up	0.039939321	0.620691429
AMER1	APC membrane recruitment protein 1	1.615975176	1.615975176	up	0.043552753	0.623333169
RHOBTB3	Rho-related BTB domain containing 3	1.615642911	1.615642911	up	0.003274949	0.336368557
ACOT13	acyl-CoA thioesterase 13	1.615530927	1.615530927	up	0.00026969	0.122081173
RBAK	RB-associated KRAB zinc finger	1.615501066	1.615501066	up	0.020842704	0.549146
CPNE8	copine VIII	1.615482403	1.615482403	up	0.04239495	0.623333169
KLHL8	kelch like family member 8	1.615441345	1.615441345	up	0.047990579	0.627854743
TUFT1	tuftelin 1	1.615243537	1.615243537	up	0.0098518	0.477233577
CSNK1D	casein kinase 1, delta	1.615213681	1.615213681	up	0.006211465	0.414771056
SH3GL1	SH3-domain GRB2-like 1	1.615206217	1.615206217	up	0.027973054	0.572828574
UNKL	unkempt family zinc finger-like	1.615079337	1.615079337	up	0.046685877	0.627185789
DCP1B	decapping mRNA 1B	1.615000975	1.615000975	up	0.035877768	0.603048422
MBD6	methyl-CpG binding domain protein 6	1.614918885	1.614918885	up	0.026430119	0.568317266
SYNPO2	synaptopodin 2	1.614639065	1.614639065	up	0.038214344	0.612253826
OPN3	opsin 3	1.614176536	1.614176536	up	0.000331212	0.128711653
FANCD2P2	Fanconi anemia complementation group D2 pseudogene 2	1.614098218	1.614098218	up	0.021895006	0.550085548
FANCD2	Fanconi anemia complementation group D2	1.614098218	1.614098218	up	0.021895006	0.550085548
FAM219B	family with sequence similarity 219 member B	1.613915489	1.613915489	up	0.038083383	0.612253826
ZSWIM6	zinc finger, SWIM-type containing 6	1.613609746	1.613609746	up	0.004128437	0.358673662
TMCO4	transmembrane and coiled-coil domains 4	1.613356246	1.613356246	up	0.023343405	0.556498532
TPP1	tripeptidyl peptidase I	1.613169874	1.613169874	up	0.049802446	0.630405293

KIAA1033	KIAA1033	1.613080424	1.613080424	up	0.008139513	0.454504307
FOXRED2	FAD-dependent oxidoreductase domain containing 2	1.613028247	1.613028247	up	0.006481144	0.423101578
USP48	ubiquitin specific peptidase 48	1.612782291	1.612782291	up	0.028750529	0.574350948
TNKS2	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2	1.612726397	1.612726397	up	0.027294576	0.56844604
RAB2A	RAB2A, member RAS oncogene family	1.612659327	1.612659327	up	0.028947346	0.574350948
WNT5A	wingless-type MMTV integration site family member 5A	1.612543824	1.612543824	up	0.021372963	0.549146
ARL1	ADP ribosylation factor like GTPase 1	1.612525195	1.612525195	up	0.0157389	0.522063677
CRISPLD1	cysteine-rich secretory protein LCCL domain containing 1	1.612480487	1.612480487	up	0.044037173	0.623333169
ZNF33A	zinc finger protein 33A	1.61220854	1.61220854	up	0.049138305	0.629664508
ZNF33B	zinc finger protein 33B	1.61220854	1.61220854	up	0.049138305	0.629664508
F8	coagulation factor VIII, procoagulant component	1.612148941	1.612148941	up	0.027271721	0.568317266
LAIR2	leukocyte-associated immunoglobulin-like receptor 2	1.612014852	1.612014852	up	0.026225311	0.568317266
OPRL1	opiate receptor-like 1	1.61170202	1.61170202	up	0.041419767	0.623333169
GNG4	guanine nucleotide binding protein (G protein), gamma 4	1.611586586	1.611586586	up	0.008335903	0.460228374
SHISA5	shisa family member 5	1.611333404	1.611333404	up	0.038353117	0.612731512
ATF3	activating transcription factor 3	1.611169602	1.611169602	up	0.009443105	0.473538623
PADI2	peptidyl arginine deiminase, type II	1.611165879	1.611165879	up	0.042104152	0.623333169
ABR	active BCR-related	1.610622474	1.610622474	up	0.017704223	0.532411571
LAMP2	lysosomal-associated membrane protein 2	1.610082971	1.610082971	up	0.001503151	0.251793822
PRR12	proline rich 12	1.610004852	1.610004852	up	0.044918272	0.623333169
CKMT1A	creatine kinase, mitochondrial 1A	1.609870941	1.609870941	up	0.001005187	0.218262407
CKMT1B	creatine kinase, mitochondrial 1B	1.609870941	1.609870941	up	0.001005187	0.218262407
GRAMD2	GRAM domain containing 2	1.609469275	1.609469275	up	0.006268593	0.416829693
RASL10B	RAS-like, family 10, member B	1.609376311	1.609376311	up	0.009426186	0.473293115
ZNF529	zinc finger protein 529	1.609075145	1.609075145	up	0.026084816	0.567622316
CEACAM19	carcinoembryonic antigen-related cell adhesion molecule 19	1.609075145	1.609075145	up	0.01231576	0.503186668
NAB2	NGFI-A binding protein 2 (EGR1 binding protein 2)	1.60885953	1.60885953	up	0.014218242	0.514636149
C1QL1	complement component 1, q subcomponent-like 1	1.608666244	1.608666244	up	0.025650304	0.566329497
HSD17B1	hydroxysteroid (17-beta) dehydrogenase 1	1.608432102	1.608432102	up	0.02295955	0.554273475
TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	1.608413521	1.608413521	up	0.041593939	0.623333169
ALPP	alkaline phosphatase, placental	1.608183131	1.608183131	up	0.000177284	0.089266768
BDH2	3-hydroxybutyrate dehydrogenase, type 2	1.608149691	1.608149691	up	0.025395658	0.565656951
GEMIN4	gem nuclear organelle associated protein 4	1.608012219	1.608012219	up	0.032293208	0.589996854
HTRA1	HtrA serine peptidase 1	1.607677877	1.607677877	up	0.014454924	0.51506237
DNASE1L1	deoxyribonuclease I-like 1	1.607625874	1.607625874	up	0.015510367	0.52192494
CDC14B	cell division cycle 14B	1.607507018	1.607507018	up	0.010075696	0.480015301
KISS1R	KISS1 receptor	1.607492161	1.607492161	up	0.047672965	0.627854743
ATXN3	ataxin 3	1.607265617	1.607265617	up	0.015795195	0.522063677
ZNF561	zinc finger protein 561	1.607031679	1.607031679	up	0.046593787	0.627185789
CPA4	carboxypeptidase A4	1.60653421	1.60653421	up	0.000419612	0.144894892
NUDT16P1	nudix hydrolase 16 pseudogene 1	1.606482245	1.606482245	up	0.040950319	0.623333169
PKDCC	protein kinase domain containing, cytoplasmic	1.606452551	1.606452551	up	0.011908486	0.495320532
SAMD4A	sterile alpha motif domain containing 4A	1.606445127	1.606445127	up	0.02217702	0.550353494
SPINK2	serine peptidase inhibitor, Kazal type 2 (acrosin-trypsin inhibitor)	1.606163065	1.606163065	up	0.042049614	0.623333169
KRTAP10-12	keratin associated protein 10-12	1.6058625	1.6058625	up	0.029632009	0.57728016
C18orf32	chromosome 18 open reading frame 32	1.605747484	1.605747484	up	0.012006049	0.497492736
RPL17-C18orf32	RPL17-C18orf32 readthrough	1.605747484	1.605747484	up	0.012006049	0.497492736
AGGF1	angiogenic factor with G-patch and FHA domains 1	1.605710384	1.605710384	up	0.020225283	0.549146
MED20	mediator complex subunit 20	1.605625056	1.605625056	up	0.033169992	0.59236436
DNAL4	dynein, axonemal, light chain 4	1.605506348	1.605506348	up	0.030336315	0.580548881
SCNN1A	sodium channel, non voltage gated 1 alpha subunit	1.605020476	1.605020476	up	0.021445728	0.549146
ATXN7L3B	ataxin 7-like 3B	1.604968559	1.604968559	up	0.04100065	0.623333169
DDR1	discoidin domain receptor tyrosine kinase 1	1.604797988	1.604797988	up	0.00368315	0.349787905
MTMR1	myotubularin related protein 1	1.604768325	1.604768325	up	0.033525258	0.593014207

CLU	clusterin	1.604675633	1.604675633	up	0.001454918	0.250769966
TTC39A	tetratricopeptide repeat domain 39A	1.604553287	1.604553287	up	0.049627468	0.630325871
NHLRC4	NHL repeat containing 4	1.604360519	1.604360519	up	0.037500581	0.609325627
SLC41A3	solute carrier family 41, member 3	1.604008406	1.604008406	up	0.012956486	0.507494586
CCDC6	coiled-coil domain containing 6	1.603837937	1.603837937	up	0.001074229	0.222563245
CERS6	ceramide synthase 6	1.603678602	1.603678602	up	0.046320439	0.627185789
BCAR1	breast cancer anti-estrogen resistance 1	1.60364896	1.60364896	up	0.00678833	0.430310156
LGALS3BP	lectin, galactoside-binding, soluble, 3 binding protein	1.603515578	1.603515578	up	0.002865334	0.32135011
CUX1	cut-like homeobox 1	1.603167354	1.603167354	up	0.030771406	0.582643771
ZCCHC11	zinc finger, CCHC domain containing 11	1.602852536	1.602852536	up	0.048664847	0.62943979
PIAS4	protein inhibitor of activated STAT 4	1.602626646	1.602626646	up	0.024669262	0.563613185
TPR	translocated promoter region, nuclear basket protein	1.602456324	1.602456324	up	0.010417047	0.486437775
SART1	squamous cell carcinoma antigen recognized by T-cells 1	1.602437812	1.602437812	up	0.03647668	0.603912936
FGF2	fibroblast growth factor 2 (basic)	1.602323041	1.602323041	up	0.032904317	0.590894404
ZNF275	zinc finger protein 275	1.602071314	1.602071314	up	0.027369495	0.56844604
NCBP1	nuclear cap binding protein subunit 1	1.60164569	1.60164569	up	0.043399774	0.623333169
LARP6	La ribonucleoprotein domain family member 6	1.601431071	1.601431071	up	0.003141516	0.330869322
C1R	complement component 1, r subcomponent	1.601257176	1.601257176	up	0.002167052	0.288675084
H1FO	H1 histone family member 0	1.601142489	1.601142489	up	0.007451722	0.438278902
FBLN1	fibulin 1	1.601131391	1.601131391	up	0.006734117	0.428252854
FAF2	Fas associated factor family member 2	1.60065424	1.60065424	up	0.034475617	0.596656508
GNA12	guanine nucleotide binding protein (G protein) alpha 12	1.600595068	1.600595068	up	0.040119525	0.621238987
ASNS	asparagine synthetase (glutamine-hydrolyzing)	1.600558087	1.600558087	up	0.001923209	0.273936058
IL17RC	interleukin 17 receptor C	1.600524805	1.600524805	up	0.038541025	0.61336314
PRRC2B	proline-rich coiled-coil 2B	1.600513711	1.600513711	up	0.045285931	0.624555255
BCL2L11	BCL2-like 11 (apoptosis facilitator)	1.600358404	1.600358404	up	0.030390004	0.581011416
SYBU	syntabulin (syntaxin-interacting)	1.599999775	1.599999775	up	0.011071607	0.489992559
CLIC3	chloride intracellular channel 3	1.599984988	1.599984988	up	0.001410563	0.248565272
PSMA1	proteasome subunit alpha 1	1.59961166	1.59961166	up	0.033103672	0.592343125
ZNF836	zinc finger protein 836	1.599604268	1.599604268	up	0.044890241	0.623333169
FAM13B	family with sequence similarity 13 member B	1.599153436	1.599153436	up	0.042261628	0.623333169
RRAS	related RAS viral (r-ras) oncogene homolog	1.599149741	1.599149741	up	0.004394047	0.367259039
BAIAP2	BAI1-associated protein 2	1.599083235	1.599083235	up	0.035990543	0.603119509
MAGI3	membrane associated guanylate kinase, WW and PDZ domain containing 3	1.598772913	1.598772913	up	0.028276288	0.57421459
CTHRC1	collagen triple helix repeat containing 1	1.598529131	1.598529131	up	0.029930501	0.579152964
GDI1	GDP dissociation inhibitor 1	1.598322315	1.598322315	up	0.046613558	0.627185789
FNDC3B	fibronectin type III domain containing 3B	1.598314929	1.598314929	up	0.041945325	0.623333169
MFSO6	major facilitator superfamily domain containing 6	1.598307543	1.598307543	up	0.003006909	0.326391956
CYP1B1	cytochrome P450, family 1, subfamily B, polypeptide 1	1.598174606	1.598174606	up	0.034370173	0.596552856
EPAS1	endothelial PAS domain protein 1	1.598141373	1.598141373	up	0.035384448	0.600698736
C6orf141	chromosome 6 open reading frame 141	1.598126603	1.598126603	up	0.041317171	0.623333169
LOC100996720	uncharacterized LOC100996720	1.598111833	1.598111833	up	0.032990851	0.591925639
UBA6	ubiquitin-like modifier activating enzyme 6	1.598049063	1.598049063	up	0.006987208	0.432531861
SUPT20H	SPT20 homolog, SAGA complex component	1.598019525	1.598019525	up	0.025112542	0.565551322
STRA6	stimulated by retinoic acid 6	1.597982604	1.597982604	up	0.018013828	0.535584855
GPR162	G protein-coupled receptor 162	1.597927223	1.597927223	up	0.032527617	0.590424587
B4GALT5	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5	1.597661421	1.597661421	up	0.00100567	0.218262407
PMEL	premelanosome protein	1.597569139	1.597569139	up	0.009862497	0.477233577
PDS5A	PDS5 cohesin associated factor A	1.597451026	1.597451026	up	0.015541755	0.52192494
DDX6	DEAD (Asp-Glu-Ala-Asp) box helicase 6	1.597259111	1.597259111	up	0.046079131	0.627185789
LY6E	lymphocyte antigen 6 complex, locus E	1.597211136	1.597211136	up	0.011089932	0.489992559
INPP5D	inositol polyphosphate-5-phosphatase D	1.597141021	1.597141021	up	0.024181368	0.562764151
LIF	leukemia inhibitory factor	1.59711888	1.59711888	up	0.033457604	0.593014207
DACT3	dishevelled-binding antagonist of beta-catenin 3	1.59700449	1.59700449	up	0.04288421	0.623333169

FBXL4	F-box and leucine-rich repeat protein 4	1.596960212	1.596960212	up	0.034679894	0.597999402
PQLC3	PQ loop repeat containing 3	1.596938074	1.596938074	up	0.012313684	0.503186668
TRAPPC6A	trafficking protein particle complex 6A	1.596886419	1.596886419	up	0.008904777	0.466623412
PHF12	PHD finger protein 12	1.596606035	1.596606035	up	0.029118044	0.57512885
ACTA1	actin, alpha 1, skeletal muscle	1.59641791	1.59641791	up	0.033180831	0.59236436
RBM26	RNA binding motif protein 26	1.596414221	1.596414221	up	0.030034399	0.579152964
TCEAL6	transcription elongation factor A (SII)-like 6	1.596299882	1.596299882	up	0.010019121	0.479491277
TCEAL3	transcription elongation factor A (SII)-like 3	1.596299882	1.596299882	up	0.010019121	0.479491277
SAMD12	sterile alpha motif domain containing 12	1.596285129	1.596285129	up	0.043695472	0.623333169
PIGP	phosphatidylinositol glycan anchor biosynthesis class P	1.596237183	1.596237183	up	0.004269224	0.362398259
FAM46A	family with sequence similarity 46 member A	1.595820483	1.595820483	up	0.025119327	0.565551322
G6PC3	glucose 6 phosphatase, catalytic, 3	1.595437068	1.595437068	up	0.021231316	0.549146
FAM149B1	family with sequence similarity 149 member B1	1.595367031	1.595367031	up	0.040629736	0.623259064
ZNF280C	zinc finger protein 280C	1.595079542	1.595079542	up	0.0323288	0.589996854
ENC1	ectodermal-neural cortex 1 (with BTB domain)	1.595079542	1.595079542	up	0.015519454	0.52192494
HNRNPPLL	heterogeneous nuclear ribonucleoprotein L-like	1.594961613	1.594961613	up	0.016489	0.52581211
GJC2	gap junction protein gamma 2	1.594854748	1.594854748	up	0.043523014	0.623333169
ZNF84	zinc finger protein 84	1.59440157	1.59440157	up	0.049016636	0.62943979
KIAA1549	KIAA1549	1.594342629	1.594342629	up	0.035376278	0.600698736
BRAF	B-Raf proto-oncogene, serine/threonine kinase	1.594342629	1.594342629	up	0.035376278	0.600698736
MARCH5	membrane associated ring-CH-type finger 5	1.594213705	1.594213705	up	0.003311623	0.338252205
STK16	serine/threonine kinase 16	1.593705474	1.593705474	up	0.018869888	0.539906054
EEF1A2	eukaryotic translation elongation factor 1 alpha 2	1.593580283	1.593580283	up	0.042450406	0.623333169
NUP62CL	nucleoporin 62kDa C-terminal like	1.593300479	1.593300479	up	0.0274024	0.568462255
ESYT2	extended synaptotagmin-like protein 2	1.593256304	1.593256304	up	0.005955032	0.413214927
C6orf106	chromosome 6 open reading frame 106	1.593079616	1.593079616	up	0.028325916	0.57421459
TMEM184C	transmembrane protein 184C	1.593017044	1.593017044	up	0.016995874	0.530571823
APIAR	adaptor-related protein complex 1 associated regulatory protein	1.59299496	1.59299496	up	0.047238705	0.627322764
CCSER2	coiled-coil serine rich protein 2	1.592972877	1.592972877	up	0.009756835	0.477233577
ASRGL1	asparaginase like 1	1.592943432	1.592943432	up	0.0165364	0.52581211
INAFM1	InaF-motif containing 1	1.59292503	1.59292503	up	0.011838423	0.495320532
KIAA0586	KIAA0586	1.592700539	1.592700539	up	0.044237199	0.623333169
RPIA	ribose 5-phosphate isomerase A	1.592498157	1.592498157	up	0.024458686	0.563613185
UEVLD	UEV and lactate/malate dehydrogenase domains	1.592424569	1.592424569	up	0.034020438	0.595139711
AHR	aryl hydrocarbon receptor	1.592299479	1.592299479	up	0.034161642	0.595139711
CAST	calpastatin	1.592163362	1.592163362	up	0.006167883	0.414771056
MAN2B2	mannosidase, alpha, class 2B, member 2	1.592159683	1.592159683	up	0.03647401	0.603912936
UTP11L	UTP11-like, U3 small nucleolar ribonucleoprotein (yeast)	1.592148647	1.592148647	up	0.006417273	0.419627816
FAM213A	family with sequence similarity 213 member A	1.592016221	1.592016221	up	0.004581954	0.374624543
SLC43A2	solute carrier family 43 (amino acid system L transporter), member 2	1.591777147	1.591777147	up	0.016510365	0.52581211
BTRC	beta-transducin repeat containing E3 ubiquitin protein ligase	1.59174037	1.59174037	up	0.029715907	0.577947966
CLN3	ceroid-lipofuscinosis, neuronal 3	1.591733014	1.591733014	up	0.035347872	0.600698736
PLEKHG4	pleckstrin homology and RhoGEF domain containing G4	1.591674173	1.591674173	up	0.027012609	0.568317266
SSX2IP	synovial sarcoma, X breakpoint 2 interacting protein	1.59143515	1.59143515	up	0.030043184	0.579152964
GNPTG	N-acetylglucosamine-1-phosphate transferase, gamma subunit	1.591431473	1.591431473	up	0.035184699	0.600433528
SCAMP1	secretory carrier membrane protein 1	1.591299107	1.591299107	up	0.007180135	0.434730278
PROSER1	proline and serine rich 1	1.590696245	1.590696245	up	0.014798642	0.515560792
PLK1	polo-like kinase 1	1.59056394	1.59056394	up	0.049653943	0.630325871
C22orf29	chromosome 22 open reading frame 29	1.590427972	1.590427972	up	0.013448159	0.509292857
CAMKMT	calmodulin-lysine N-methyltransferase	1.59026262	1.59026262	up	0.017618361	0.53179491
SEC23A	Sec23 homolog A, COPII coat complex component	1.590137699	1.590137699	up	0.003824543	0.351759623
VPS37A	vacuolar protein sorting 37 homolog A (S. cerevisiae)	1.590056874	1.590056874	up	0.047084018	0.627322764
USPL1	ubiquitin specific peptidase like 1	1.58986952	1.58986952	up	0.041200224	0.623333169
ZFR	zinc finger RNA binding protein	1.589807074	1.589807074	up	0.023145995	0.55642591

PNPO	pyridoxamine 5'-phosphate oxidase	1.589748303	1.589748303	up	0.031186221	0.585954505
RHOQ	ras homolog family member Q	1.589542623	1.589542623	up	0.032568313	0.590424587
CRBN	cereblon	1.589472845	1.589472845	up	0.039375185	0.615814128
ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative)	1.588969797	1.588969797	up	0.037201098	0.607707429
ZNF250	zinc finger protein 250	1.588800926	1.588800926	up	0.03716244	0.607516377
BMP1	bone morphogenetic protein 1	1.58850361	1.58850361	up	0.037318667	0.608806191
AGA	aspartylglucosaminidase	1.588239376	1.588239376	up	0.0217696	0.550085548
NEK1	NIMA-related kinase 1	1.587846776	1.587846776	up	0.043430399	0.623333169
ZNF644	zinc finger protein 644	1.587839439	1.587839439	up	0.01573317	0.522063677
ALDH6A1	aldehyde dehydrogenase 6 family member A1	1.587795415	1.587795415	up	0.048586952	0.62943979
RAD51	RAD51 recombinase	1.587718377	1.587718377	up	0.023130504	0.55642591
PRR3	proline rich 3	1.587487284	1.587487284	up	0.009867744	0.477233577
PAIP1	poly(A) binding protein interacting protein 1	1.587454274	1.587454274	up	0.001012755	0.218262407
JUN	jun proto-oncogene	1.587373584	1.587373584	up	0.03901821	0.613717043
GSTM2P1	glutathione S-transferase mu 2 (muscle) pseudogene 1	1.587362581	1.587362581	up	0.004145726	0.358673662
CA2	carbonic anhydrase II	1.587285564	1.587285564	up	0.01272068	0.50529726
ULK3	unc-51 like kinase 3	1.587259892	1.587259892	up	0.046967858	0.627322764
PEX12	peroxisomal biogenesis factor 12	1.587091203	1.587091203	up	0.047280109	0.627322764
GSPT2	G1 to S phase transition 2	1.586988531	1.586988531	up	0.040215528	0.621304652
ICAM2	intercellular adhesion molecule 2	1.586988531	1.586988531	up	0.021780454	0.550085548
LCE1D	late cornified envelope 1D	1.586874867	1.586874867	up	0.024563724	0.563613185
ARRDC4	arrestin domain containing 4	1.586863868	1.586863868	up	0.005558911	0.401886731
PTK7	protein tyrosine kinase 7 (inactive)	1.586856535	1.586856535	up	0.030071827	0.579152964
NEDD9	neural precursor cell expressed, developmentally down-regulated 9	1.586794207	1.586794207	up	0.044742131	0.623333169
ZER1	zyg-11 related, cell cycle regulator	1.586629233	1.586629233	up	0.016622534	0.526872128
SRBD1	S1 RNA binding domain 1	1.586603572	1.586603572	up	0.039482696	0.616760444
STX17	syntaxin 17	1.586533923	1.586533923	up	0.043865215	0.623333169
NMB	neuromedin B	1.586281012	1.586281012	up	0.002015572	0.280363933
FZD6	frizzled class receptor 6	1.586204047	1.586204047	up	0.011146171	0.489992559
USP1	ubiquitin specific peptidase 1	1.586079445	1.586079445	up	0.001062586	0.221476037
STK11IP	serine/threonine kinase 11 interacting protein	1.586031806	1.586031806	up	0.036254723	0.603215176
TMEM68	transmembrane protein 68	1.585877903	1.585877903	up	0.037579565	0.609777239
PTP4A3	protein tyrosine phosphatase type IVA, member 3	1.585819278	1.585819278	up	0.027881582	0.572241118
PIIP5K2	diphosphoinositol pentakisphosphate kinase 2	1.585745999	1.585745999	up	0.044748257	0.623333169
NUCB1	nucleobindin 1	1.585727268	1.585727268	up	0.02904419	0.574540338
RCC1	regulator of chromosome condensation 1	1.585108617	1.585108617	up	0.009756015	0.477233577
RGPD4	RANBP2-like and GRIP domain containing 4	1.585009736	1.585009736	up	0.021761722	0.550085548
CDC7	cell division cycle 7	1.5846875	1.5846875	up	0.046727157	0.627185789
MMP11	matrix metallopeptidase 11	1.584548372	1.584548372	up	0.048257024	0.627892392
EDN1	endothelin 1	1.584530067	1.584530067	up	0.03601471	0.603119509
PPAT	phosphoribosyl pyrophosphate amidotransferase	1.584508101	1.584508101	up	0.021261758	0.549146
IQSEC1	IQ motif and Sec7 domain 1	1.584174986	1.584174986	up	0.031646956	0.589022431
SMC1A	structural maintenance of chromosomes 1A	1.583900493	1.583900493	up	0.012438978	0.503406041
VCL	vinculin	1.583900493	1.583900493	up	0.018779602	0.539772279
SPOCD1	SPOC domain containing 1	1.583863898	1.583863898	up	0.036662475	0.604603394
REEP4	receptor accessory protein 4	1.583834622	1.583834622	up	0.045306914	0.624555255
CASC10	cancer susceptibility candidate 10	1.583805347	1.583805347	up	0.034837509	0.59807176
NRGN	neurogranin	1.583472379	1.583472379	up	0.048291723	0.627892392
PYCR1	pyrroline-5-carboxylate reductase 1	1.583307751	1.583307751	up	0.006988194	0.432531861
SDHA	succinate dehydrogenase complex subunit A, flavoprotein (Fp)	1.583168745	1.583168745	up	0.010266768	0.485753032
SDHAP2	succinate dehydrogenase complex subunit A, flavoprotein pseudogene 2	1.583168745	1.583168745	up	0.010266768	0.485753032
SDHAP1	succinate dehydrogenase complex subunit A, flavoprotein pseudogene	1.583168745	1.583168745	up	0.010266768	0.485753032
SAR1A	secretion associated, Ras related GTPase 1A	1.583117535	1.583117535	up	0.013207826	0.509292857
ZBTB21	zinc finger and BTB domain containing 21	1.582857854	1.582857854	up	0.041796277	0.623333169

TRABD	TraB domain containing	1.582857854	1.582857854	up	0.02650164	0.568317266
CKLF-CMTM1	CKLF-CMTM1 readthrough	1.582784712	1.582784712	up	0.038832113	0.613615561
CKLF	chemokine-like factor	1.582784712	1.582784712	up	0.038832113	0.613615561
SGOL2	shugoshin-like 2 (S. pombe)	1.582601872	1.582601872	up	0.025882575	0.566523191
GGT5	gamma-glutamyltransferase 5	1.582419054	1.582419054	up	0.049747355	0.630405293
IVNS1ABP	influenza virus NS1A binding protein	1.582283781	1.582283781	up	0.01187753	0.495320532
PCGF5	polycomb group ring finger 5	1.582272814	1.582272814	up	0.014541127	0.515525808
ALDH1A3	aldehyde dehydrogenase 1 family member A3	1.582185076	1.582185076	up	0.002964586	0.326391956
RPL31	ribosomal protein L31	1.582042513	1.582042513	up	0.047714947	0.627854743
FABP3	fatty acid binding protein 3, muscle and heart	1.582027892	1.582027892	up	0.020921636	0.549146
MALAT1	metastasis associated lung adenocarcinoma transcript 1 (non-protein coding)	1.581856104	1.581856104	up	0.01843715	0.537128348
LYRM9	LYR motif containing 9	1.581848795	1.581848795	up	0.037057938	0.606563707
WDR89	WD repeat domain 89	1.581717226	1.581717226	up	0.042143396	0.623333169
EIF4G3	eukaryotic translation initiation factor 4 gamma, 3	1.581666063	1.581666063	up	0.025394585	0.565656951
MFN1	mitofusin 1	1.58162221	1.58162221	up	0.02697148	0.568317266
CTSA	cathepsin A	1.58159663	1.58159663	up	0.000953379	0.216386548
DUSP3	dual specificity phosphatase 3	1.581501622	1.581501622	up	0.017734797	0.532517378
GKAP1	G kinase anchoring protein 1	1.581421235	1.581421235	up	0.034129207	0.595139711
PRKACA	protein kinase, cAMP-dependent, alpha catalytic subunit	1.581169139	1.581169139	up	0.011816594	0.495320532
PRSS22	protease, serine 22	1.580997445	1.580997445	up	0.038009103	0.612253826
C1orf53	chromosome 1 open reading frame 53	1.580971875	1.580971875	up	0.022564544	0.551250506
ETFB	electron-transfer-flavoprotein, beta polypeptide	1.580781939	1.580781939	up	0.002385266	0.300161496
IQGAP1	IQ motif containing GTPase activating protein 1	1.580628547	1.580628547	up	0.007867021	0.446814625
SLC35F6	solute carrier family 35 member F6	1.580475169	1.580475169	up	0.027850183	0.572241118
HLA-DMB	major histocompatibility complex, class II, DM beta	1.580475169	1.580475169	up	0.03901594	0.613717043
ARRDC1-AS1	ARRDC1 antisense RNA 1	1.580325458	1.580325458	up	0.032029384	0.589351082
GPR160	G protein-coupled receptor 160	1.580066235	1.580066235	up	0.031224614	0.585954505
HLA-B	major histocompatibility complex, class I, B	1.579777853	1.579777853	up	0.005494232	0.401886731
RNASET2	ribonuclease T2	1.579774203	1.579774203	up	0.01159286	0.495320532
ATF6	activating transcription factor 6	1.579252332	1.579252332	up	0.043234479	0.623333169
TRPV6	transient receptor potential cation channel, subfamily V, member 6	1.579230439	1.579230439	up	0.025641505	0.566329497
IFI35	interferon induced protein 35	1.579058955	1.579058955	up	0.013819461	0.511408446
CHM	choroideremia (Rab escort protein 1)	1.578927618	1.578927618	up	0.019882867	0.549146
USF2	upstream transcription factor 2, c-fos interacting	1.578927618	1.578927618	up	0.045054076	0.623612409
PLXNA2	plexin A2	1.57876711	1.57876711	up	0.017321426	0.531030242
TTC13	tetratricopeptide repeat domain 13	1.578654034	1.578654034	up	0.045256218	0.624555255
TRA2A	transformer 2 alpha homolog (Drosophila)	1.578602971	1.578602971	up	0.01819429	0.536306821
DCAF7	DDB1 and CUL4 associated factor 7	1.578581087	1.578581087	up	0.020850899	0.549146
LRG1	leucine-rich alpha-2-glycoprotein 1	1.578515437	1.578515437	up	0.025293159	0.565656951
ADIPOR2	adiponectin receptor 2	1.578369558	1.578369558	up	0.037905508	0.611672854
KRR1	KRR1, small subunit (SSU) processome component, homolog (yeast)	1.577986689	1.577986689	up	0.008156557	0.454504307
BCLAF1	BCL2-associated transcription factor 1	1.577939293	1.577939293	up	0.006643167	0.42771383
CLCN3	chloride channel, voltage-sensitive 3	1.577749722	1.577749722	up	0.024162876	0.562764151
DECR1	2,4-dienoyl-CoA reductase 1, mitochondrial	1.577705978	1.577705978	up	0.014914941	0.516117046
ACTN4	actin, alpha 4	1.577582044	1.577582044	up	0.001256651	0.240074176
UACA	uveal autoantigen with coiled-coil domains and ankyrin repeats	1.577552884	1.577552884	up	0.038754697	0.613615561
THOC6	THO complex 6	1.577541949	1.577541949	up	0.023157006	0.55642591
RBM25	RNA binding motif protein 25	1.577541949	1.577541949	up	0.02339942	0.556698922
HIC2	hypermethylated in cancer 2	1.577421672	1.577421672	up	0.022264776	0.550353494
MTF1	metal-regulatory transcription factor 1	1.577377937	1.577377937	up	0.035059706	0.600153938
LCN2	lipocalin 2	1.577305049	1.577305049	up	0.036743418	0.605190228
VANGL1	VANGL planar cell polarity protein 1	1.577170214	1.577170214	up	0.023419114	0.556698922
ITSN1	intersectin 1	1.57713013	1.57713013	up	0.0132434	0.509292857
EDC3	enhancer of mRNA decapping 3	1.577086403	1.577086403	up	0.027132099	0.568317266

LRRC8B	leucine-rich repeat containing 8 family member B	1.576926082	1.576926082	up	0.023201254	0.55642591
IFITM1	interferon induced transmembrane protein 1	1.576783993	1.576783993	up	0.005848217	0.409879029
TMEM56	transmembrane protein 56	1.576722061	1.576722061	up	0.030810493	0.582823189
TMEM161A	transmembrane protein 161A	1.576459786	1.576459786	up	0.036421163	0.603912936
MCM2	minichromosome maintenance complex component 2	1.576459786	1.576459786	up	0.018237238	0.536306821
GATAD2B	GATA zinc finger domain containing 2B	1.576401509	1.576401509	up	0.043148402	0.623333169
ACAA2	acetyl-CoA acyltransferase 2	1.576252184	1.576252184	up	0.01811047	0.536306821
PPP2R5C	protein phosphatase 2 regulatory subunit B', gamma	1.576008194	1.576008194	up	0.02351055	0.557200091
TBCK	TBC1 domain containing kinase	1.575767883	1.575767883	up	0.023637062	0.559178454
LMNB2	lamin B2	1.575727835	1.575727835	up	0.033601054	0.593014207
PPP1R21	protein phosphatase 1 regulatory subunit 21	1.575633179	1.575633179	up	0.025677275	0.566329497
TPD52L1	tumor protein D52-like 1	1.575618618	1.575618618	up	0.001608378	0.255663523
DCK	deoxycytidine kinase	1.575534889	1.575534889	up	0.010463751	0.486801343
CAPG	capping protein (actin filament), gelsolin-like	1.575200021	1.575200021	up	0.007032267	0.432539346
NOP14	NOP14 nucleolar protein	1.575181824	1.575181824	up	0.019941658	0.549146
LIMK2	LIM domain kinase 2	1.575170906	1.575170906	up	0.022670031	0.551250506
PIGX	phosphatidylinositol glycan anchor biosynthesis class X	1.574807006	1.574807006	up	0.005511674	0.401886731
ANXA4	annexin A4	1.574770621	1.574770621	up	0.01029418	0.485753032
NADK2	NAD kinase 2, mitochondrial	1.574643278	1.574643278	up	0.015647793	0.522063677
DHRS3	dehydrogenase/reductase (SDR family) member 3	1.574330424	1.574330424	up	0.033736863	0.593014207
POLR2M	polymerase (RNA) II (DNA directed) polypeptide M	1.57410128	1.57410128	up	0.023186496	0.55642591
GCOM1	GRINL1A complex locus 1	1.57410128	1.57410128	up	0.023186496	0.55642591
ZDHC9	zinc finger, DHHC-type containing 9	1.573668543	1.573668543	up	0.043353605	0.623333169
SUMF2	sulfatase modifying factor 2	1.573410412	1.573410412	up	0.046414823	0.627185789
ZNF362	zinc finger protein 362	1.573265005	1.573265005	up	0.008214785	0.45571887
MAGED2	MAGE family member D2	1.573170497	1.573170497	up	0.015926246	0.523501532
ALDOC	aldolase, fructose-bisphosphate C	1.572999671	1.572999671	up	0.027088354	0.568317266
PLTP	phospholipid transfer protein	1.572854302	1.572854302	up	0.025324411	0.565656951
HLA-A	major histocompatibility complex, class I, A	1.572821596	1.572821596	up	0.002305827	0.297602824
HLA-E	major histocompatibility complex, class I, E	1.572556337	1.572556337	up	0.03180108	0.589351082
TXNIP	thioredoxin interacting protein	1.572476404	1.572476404	up	0.003461177	0.339991958
ATP5L	ATP synthase, H+ transporting, mitochondrial Fo complex subunit G	1.57238921	1.57238921	up	0.042341157	0.623333169
PSMB9	proteasome subunit beta 9	1.572294755	1.572294755	up	0.018461442	0.537128348
UPK3B	uroplakin 3B	1.572189408	1.572189408	up	0.012882748	0.50592937
LOC105375355	uroplakin-3b	1.572189408	1.572189408	up	0.012882748	0.50592937
COQ5	coenzyme Q5, methyltransferase	1.572153084	1.572153084	up	0.034239398	0.595139711
TAF6	TATA-box binding protein associated factor 6	1.572145819	1.572145819	up	0.021391874	0.549146
PPL	periplakin	1.572105863	1.572105863	up	0.042121253	0.623333169
GTF2IRD1	GTF2I repeat domain containing 1	1.572033217	1.572033217	up	0.019048908	0.541720736
FKBP9P1	FK506 binding protein 9 pseudogene 1	1.572025953	1.572025953	up	0.020482204	0.549146
FKBP9	FK506 binding protein 9	1.572025953	1.572025953	up	0.020482204	0.549146
RNH1	ribonuclease/angiogenin inhibitor 1	1.571844356	1.571844356	up	0.01816636	0.536306821
ZAK	sterile alpha motif and leucine zipper containing kinase AZK	1.571699094	1.571699094	up	0.026911318	0.568317266
SMARCC2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2	1.571688199	1.571688199	up	0.028654405	0.574350948
MPP1	membrane protein, palmitoylated 1	1.57166278	1.57166278	up	0.026452448	0.568317266
DXO	decapping exoribonuclease	1.571637361	1.571637361	up	0.017997376	0.535584855
FXN	frataxin	1.571637361	1.571637361	up	0.028221302	0.57421459
ENAH	enabled homolog (Drosophila)	1.571056468	1.571056468	up	0.044181816	0.623333169
TMC4	transmembrane channel like 4	1.570791507	1.570791507	up	0.025228369	0.565656951
B3GALT6	UDP-Gal:betaGal beta 1,3-galactosyltransferase 6	1.570733439	1.570733439	up	0.018752526	0.539772279
MOCOS	molybdenum cofactor sulfurase	1.570548362	1.570548362	up	0.035418975	0.600698736
PPP1R10	protein phosphatase 1 regulatory subunit 10	1.569808275	1.569808275	up	0.043329625	0.623333169
YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma	1.569688587	1.569688587	up	0.032404508	0.590283874
NDUFAF6	NADH dehydrogenase (ubiquinone) complex I, assembly factor 6	1.569427483	1.569427483	up	0.044820943	0.623333169

TFPI2	tissue factor pathway inhibitor 2	1.569271566	1.569271566	up	0.028500921	0.574350948
KBTBD2	kelch repeat and BTB (POZ) domain containing 2	1.569061285	1.569061285	up	0.046532357	0.627185789
SMC3	structural maintenance of chromosomes 3	1.568017545	1.568017545	up	0.0163224	0.524267534
SHB	Src homology 2 domain containing adaptor protein B	1.567977694	1.567977694	up	0.043887486	0.623333169
GSTZ1	glutathione S-transferase zeta 1	1.567756719	1.567756719	up	0.03521285	0.600433528
SLC50A1	solute carrier family 50 (sugar efflux transporter), member 1	1.567590102	1.567590102	up	0.029978967	0.579152964
NUDT1	nudix hydrolase 1	1.56754664	1.56754664	up	0.013018353	0.508400247
EXOC5	exocyst complex component 5	1.567503179	1.567503179	up	0.004876929	0.383960598
MTERF3	mitochondrial transcription termination factor 3	1.567412639	1.567412639	up	0.047996313	0.627854743
ANKH	ANKH inorganic pyrophosphate transport regulator	1.567383668	1.567383668	up	0.049088788	0.62943979
VKORC1L1	vitamin K epoxide reductase complex subunit 1 like 1	1.567293135	1.567293135	up	0.048065056	0.627892392
TTC9	tetratricopeptide repeat domain 9	1.567235196	1.567235196	up	0.035891913	0.603048422
TBCD	tubulin folding cofactor D	1.567180881	1.567180881	up	0.017000277	0.530571823
CREM	cAMP responsive element modulator	1.56717726	1.56717726	up	0.045681873	0.625770788
CAPS	calcyphosine	1.567122947	1.567122947	up	0.048116231	0.627892392
DPYSL5	dihydropyrimidinase like 5	1.566902092	1.566902092	up	0.041786877	0.623333169
PPP3CB	protein phosphatase 3, catalytic subunit, beta isozyme	1.566858649	1.566858649	up	0.014708494	0.515525808
COPB2	coatomer protein complex subunit beta 2 (beta prime)	1.566844168	1.566844168	up	0.013842746	0.511661675
CHMP1A	charged multivesicular body protein 1A	1.566543722	1.566543722	up	0.040492849	0.623005985
SMARCC1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	1.566500289	1.566500289	up	0.026108569	0.567825319
MT1X	metallothionein 1X	1.566427903	1.566427903	up	0.021080444	0.549146
BRE	brain and reproductive organ-expressed (TNFRSF1A modulator)	1.566424284	1.566424284	up	0.013699197	0.511408446
UQCC2	ubiquinol-cytochrome c reductase complex assembly factor 2	1.566333806	1.566333806	up	0.007366709	0.437407205
HCFC1R1	host cell factor C1 regulator 1 (XPO1 dependent)	1.566268665	1.566268665	up	0.018529126	0.537153195
AMFR	autocrine motility factor receptor, E3 ubiquitin protein ligase	1.566069641	1.566069641	up	0.021291985	0.549146
GPATCH11	G-patch domain containing 11	1.565805521	1.565805521	up	0.047731464	0.627854743
COPS7A	COP9 signalosome subunit 7A	1.565747638	1.565747638	up	0.038876088	0.613615561
SIGMAR1	sigma non-opioid intracellular receptor 1	1.565631877	1.565631877	up	0.012805875	0.5057776
MPDU1	mannose-P-dolichol utilization defect 1	1.565584852	1.565584852	up	0.022000937	0.550085548
ACP2	acid phosphatase 2, lysosomal	1.565393149	1.565393149	up	0.018689386	0.539545418
USP7	ubiquitin specific peptidase 7 (herpes virus-associated)	1.565237633	1.565237633	up	0.02677327	0.568317266
HEXA	hexosaminidase A (alpha polypeptide)	1.565042356	1.565042356	up	0.049082022	0.62943979
PAWR	PRKC, apoptosis, WT1, regulator	1.564886875	1.564886875	up	0.015544054	0.52192494
ZDHHC8	zinc finger, DHHC-type containing 8	1.564792871	1.564792871	up	0.026176	0.568317266
UBXN2B	UBX domain protein 2B	1.564651875	1.564651875	up	0.01646444	0.52581211
ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1	1.564622954	1.564622954	up	0.017609257	0.53179491
KCTD10	potassium channel tetramerization domain containing 10	1.564478359	1.564478359	up	0.012368894	0.503186668
ECH1	enoyl-CoA hydratase 1, peroxisomal	1.564257877	1.564257877	up	0.010006036	0.479491277
HNRNPL	heterogeneous nuclear ribonucleoprotein L	1.564257877	1.564257877	up	0.010006036	0.479491277
BIN1	bridging integrator 1	1.564221736	1.564221736	up	0.024661695	0.563613185
OLFM1	olfactomedin 1	1.564181981	1.564181981	up	0.024177704	0.562764151
PHGDH	phosphoglycerate dehydrogenase	1.564022972	1.564022972	up	0.001689231	0.255663523
PLA2G12A	phospholipase A2 group XIIA	1.563784488	1.563784488	up	0.02981061	0.578931754
RAB11A	RAB11A, member RAS oncogene family	1.563755584	1.563755584	up	0.021762254	0.550085548
C6orf120	chromosome 6 open reading frame 120	1.563643583	1.563643583	up	0.041830444	0.623333169
MAGED1	MAGE family member D1	1.563574942	1.563574942	up	0.011034444	0.489992559
ARF3	ADP ribosylation factor 3	1.563459342	1.563459342	up	0.041324744	0.623333169
SSBP3	single stranded DNA binding protein 3	1.563426831	1.563426831	up	0.01489936	0.516117046
GPHN	gephyrin	1.563379872	1.563379872	up	0.046137209	0.627185789
AP3B1	adaptor-related protein complex 3, beta 1 subunit	1.56317038	1.56317038	up	0.01626581	0.524267534
AGO1	argonaute 1, RISC catalytic component	1.562718984	1.562718984	up	0.028085307	0.573730198
AGO3	argonaute 3, RISC catalytic component	1.562718984	1.562718984	up	0.028085307	0.573730198
RNFT1	ring finger protein, transmembrane 1	1.562718984	1.562718984	up	0.030673694	0.582474665
ITM2C	integral membrane protein 2C	1.562708152	1.562708152	up	0.038562472	0.61336314

CDC27	cell division cycle 27	1.562657604	1.562657604	up	0.021824825	0.550085548
SCYL2	SCY1-like, kinase-like 2	1.562599837	1.562599837	up	0.042820298	0.623333169
TCF7L2	transcription factor 7-like 2 (T-cell specific, HMG-box)	1.562578175	1.562578175	up	0.02700413	0.568317266
ABHD11	abhydrolase domain containing 11	1.562473479	1.562473479	up	0.037845158	0.611314999
PHIP	pleckstrin homology domain interacting protein	1.562459039	1.562459039	up	0.047602574	0.62776393
PDLIM1	PDZ and LIM domain 1	1.562419329	1.562419329	up	0.002428671	0.302546299
LHB	luteinizing hormone beta polypeptide	1.562166653	1.562166653	up	0.035975242	0.603119509
AIDA	axin interactor, dorsalization associated	1.562112513	1.562112513	up	0.01396085	0.511949108
MIER1	mesoderm induction early response 1, transcriptional regulator	1.562094467	1.562094467	up	0.030722356	0.582533534
SLC3A2	solute carrier family 3 (amino acid transporter heavy chain), member 2	1.562043939	1.562043939	up	0.007141063	0.434730278
AKAP12	A-kinase anchoring protein 12	1.562033112	1.562033112	up	0.005211119	0.39485568
RBM23	RNA binding motif protein 23	1.562015066	1.562015066	up	0.040451599	0.623005985
FBLIM1	filamin binding LIM protein 1	1.562011457	1.562011457	up	0.026362169	0.568317266
NSL1	NSL1, MIS12 kinetochore complex component	1.561282607	1.561282607	up	0.016197777	0.524267534
DECR2	2,4-dienoyl-CoA reductase 2, peroxisomal	1.56116357	1.56116357	up	0.020457712	0.549146
ASS1	argininosuccinate synthase 1	1.561044541	1.561044541	up	0.018405339	0.537128348
LZIC	leucine zipper and CTNNBIP1 domain containing	1.560676693	1.560676693	up	0.038199692	0.612253826
IER3IP1	immediate early response 3 interacting protein 1	1.560319747	1.560319747	up	0.015701807	0.522063677
NAB1	NGFI-A binding protein 1	1.560265672	1.560265672	up	0.038394062	0.61288818
ASXL1	additional sex combs like 1, transcriptional regulator	1.560186364	1.560186364	up	0.02824356	0.57421459
RPL7L1	ribosomal protein L7 like 1	1.560060201	1.560060201	up	0.015101081	0.517817132
DCUN1D4	DCN1, defective in cullin neddylation 1, domain containing 4	1.560016948	1.560016948	up	0.045287023	0.624555255
GLMP	glycosylated lysosomal membrane protein	1.559854758	1.559854758	up	0.017800563	0.53367796
OLR1	oxidized low density lipoprotein (lectin-like) receptor 1	1.559775471	1.559775471	up	0.021359342	0.549146
PPP2R4	protein phosphatase 2A regulatory subunit 4	1.559523223	1.559523223	up	0.030111559	0.57934581
EPS8	epidermal growth factor receptor pathway substrate 8	1.559516016	1.559516016	up	0.014193591	0.514636149
PDGFC	platelet derived growth factor C	1.559400716	1.559400716	up	0.014720466	0.515525808
ZNF512	zinc finger protein 512	1.559274617	1.559274617	up	0.039523393	0.616906565
MARCKSL1	MARCKS-like 1	1.558979225	1.558979225	up	0.014342706	0.514676952
GALE	UDP-galactose-4-epimerase	1.558752315	1.558752315	up	0.026425939	0.568317266
PLXNB1	plexin B1	1.558460622	1.558460622	up	0.038576004	0.61336314
PPM1B	protein phosphatase, Mg2+/Mn2+ dependent 1B	1.558374205	1.558374205	up	0.04301456	0.623333169
RPP25L	ribonuclease P/MRP 25kDa subunit-like	1.558327398	1.558327398	up	0.019008473	0.541720736
TROAP	trophinin associated protein	1.558111383	1.558111383	up	0.022601585	0.551250506
SIPA1L3	signal-induced proliferation-associated 1 like 3	1.558060983	1.558060983	up	0.016096181	0.524267534
BCL3	B-cell CLL/lymphoma 3	1.55781621	1.55781621	up	0.037141639	0.607428592
CTBS	chitinase, di-N-acetyl-	1.557791015	1.557791015	up	0.038962741	0.613717043
LGMN	legumain	1.557683041	1.557683041	up	0.039831045	0.619742718
CHMP4B	charged multivesicular body protein 4B	1.55758947	1.55758947	up	0.009785046	0.477233577
ASH2L	ash2 (absent, small, or homeotic)-like (Drosophila)	1.557222436	1.557222436	up	0.024660566	0.563613185
HP1BP3	heterochromatin protein 1, binding protein 3	1.557107306	1.557107306	up	0.035171184	0.600433528
PAM	peptidylglycine alpha-amidating monooxygenase	1.557017366	1.557017366	up	0.014223908	0.514636149
ARL6IP6	ADP ribosylation factor like GTPase 6 interacting protein 6	1.556603712	1.556603712	up	0.044191155	0.623333169
CTNNB1	catenin beta 1	1.556582133	1.556582133	up	0.021874712	0.550085548
CCHCR1	coiled-coil alpha-helical rod protein 1	1.556283655	1.556283655	up	0.044058223	0.623333169
CD99L2	CD99 molecule like 2	1.556258484	1.556258484	up	0.026397318	0.568317266
FAM98B	family with sequence similarity 98 member B	1.556193763	1.556193763	up	0.026007086	0.567499406
POMGNT1	protein O-linked mannose N-acetylglucosaminyltransferase 1 (beta 1,2-	1.556085899	1.556085899	up	0.029307242	0.576629742
HDGF	hepatoma-derived growth factor	1.556028375	1.556028375	up	0.026897369	0.568317266
SYNJ2BP-COX16	SYNJ2BP-COX16 readthrough	1.555827058	1.555827058	up	0.020811908	0.549146
SYNJ2BP	synaptojanin 2 binding protein	1.555827058	1.555827058	up	0.020811908	0.549146
BANF1	barrier to autointegration factor 1	1.555801895	1.555801895	up	0.043612575	0.623333169
RAB14	RAB14, member RAS oncogene family	1.555704842	1.555704842	up	0.04480643	0.623333169
EIF4G1	eukaryotic translation initiation factor 4 gamma, 1	1.555697653	1.555697653	up	0.037750621	0.610579997

AKR1A1	aldo-keto reductase family 1, member A1 (aldehyde reductase)	1.555485596	1.555485596	up	0.033414872	0.593014207
CFAP97	cilia and flagella associated protein 97	1.555424501	1.555424501	up	0.035569451	0.601354231
FAM173B	family with sequence similarity 173 member B	1.555370595	1.555370595	up	0.043117697	0.623333169
PSAT1	phosphoserine aminotransferase 1	1.555331065	1.555331065	up	0.005149671	0.39362485
TMEM43	transmembrane protein 43	1.555165769	1.555165769	up	0.042269875	0.623333169
PCYOX1	prenylcysteine oxidase 1	1.555004084	1.555004084	up	0.047157906	0.627322764
TAGLN	transgelin	1.55474183	1.55474183	up	0.018152497	0.536306821
ADGRF1	adhesion G protein-coupled receptor F1	1.554684355	1.554684355	up	0.018695286	0.539545418
GUCD1	guanylyl cyclase domain containing 1	1.554397015	1.554397015	up	0.043505532	0.623333169
SLC44A1	solute carrier family 44 (choline transporter), member 1	1.554016371	1.554016371	up	0.007435914	0.438278902
SYNGR2	synaptogyrin 2	1.553937381	1.553937381	up	0.0474733	0.627322764
PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2	1.553754284	1.553754284	up	0.043813915	0.623333169
CPNE3	copine III	1.553721975	1.553721975	up	0.044731394	0.623333169
TTC7A	tetratricopeptide repeat domain 7A	1.553707616	1.553707616	up	0.023354136	0.556498532
COTL1	coactosin-like F-actin binding protein 1	1.553599925	1.553599925	up	0.042386107	0.623333169
ATP6AP1	ATPase, H+ transporting, lysosomal accessory protein 1	1.553420456	1.553420456	up	0.020371572	0.549146
GNAQ	guanine nucleotide binding protein (G protein), q polypeptide	1.553370209	1.553370209	up	0.035803438	0.602823932
CFL1	cofilin 1 (non-muscle)	1.553219476	1.553219476	up	0.008700457	0.466623412
LONP2	lon peptidase 2, peroxisomal	1.552928818	1.552928818	up	0.049402953	0.630325871
PLBD1	phospholipase B domain containing 1	1.552914466	1.552914466	up	0.031787924	0.589351082
SGSM3	small G protein signaling modulator 3	1.55290729	1.55290729	up	0.046052762	0.627185789
DNAJC9	DnaJ heat shock protein family (Hsp40) member C9	1.552774541	1.552774541	up	0.01455117	0.515525808
ARHGAP1	Rho GTPase activating protein 1	1.552225724	1.552225724	up	0.032656635	0.590424587
CNN2	calponin 2	1.552164757	1.552164757	up	0.049597623	0.630325871
BAZ1B	bromodomain adjacent to zinc finger domain 1B	1.552014141	1.552014141	up	0.026176453	0.568317266
TMEM209	transmembrane protein 209	1.55179183	1.55179183	up	0.042904332	0.623333169
GRN	granulin	1.551598231	1.551598231	up	0.020008619	0.549146
BCAS4	breast carcinoma amplified sequence 4	1.551573136	1.551573136	up	0.043938769	0.623333169
SORD	sorbitol dehydrogenase	1.551239777	1.551239777	up	0.039934062	0.620691429
POT1	protection of telomeres 1	1.551178848	1.551178848	up	0.045257675	0.624555255
BNIP3L	BCL2/adenovirus E1B 19kDa interacting protein 3-like	1.551031911	1.551031911	up	0.029501646	0.576629742
FOLR1	folate receptor 1 (adult)	1.550988908	1.550988908	up	0.049593075	0.630325871
PAK4	p21 protein (Cdc42/Rac)-activated kinase 4	1.550963824	1.550963824	up	0.010377704	0.485753032
ERP27	endoplasmic reticulum protein 27	1.550892156	1.550892156	up	0.00939216	0.473004364
ASCC1	activating signal cointegrator 1 complex subunit 1	1.550809741	1.550809741	up	0.02095291	0.549146
GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity nonventile 2	1.550612682	1.550612682	up	0.018511952	0.537153195
SDHC	succinate dehydrogenase complex, subunit C, integral membrane protein 120A	1.550562525	1.550562525	up	0.023928698	0.562024581
FAM229B	family with sequence similarity 229 member B	1.550501623	1.550501623	up	0.044552466	0.623333169
TIMELESS	timeless circadian clock	1.550082536	1.550082536	up	0.042647349	0.623333169
RNF10	ring finger protein 10	1.55006821	1.55006821	up	0.0363777	0.603458973
TSEN15	tRNA splicing endonuclease subunit 15	1.549975096	1.549975096	up	0.010987231	0.489992559
FAM120A	family with sequence similarity 120A	1.549899893	1.549899893	up	0.003782162	0.351292726
DDIT4	DNA damage inducible transcript 4	1.549577634	1.549577634	up	0.017441301	0.531030242
RBMS1	RNA binding motif, single stranded interacting protein 1	1.549459489	1.549459489	up	0.039267199	0.614613629
KDELRL1	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention motif 1	1.549445169	1.549445169	up	0.020191082	0.549146
CRIP1	cysteine-rich protein 1 (intestinal)	1.549330614	1.549330614	up	0.034621554	0.597640739
HS2ST1	heparan sulfate 2-O-sulfotransferase 1	1.549309136	1.549309136	up	0.018366499	0.537128348
KLK6	kallikrein related peptidase 6	1.549309136	1.549309136	up	0.016530324	0.52581211
IFT27	intraflagellar transport 27	1.549294817	1.549294817	up	0.025042072	0.565551322
SMIM4	small integral membrane protein 4	1.549248283	1.549248283	up	0.019553236	0.546194159
BSG	basigin (Ok blood group)	1.548689978	1.548689978	up	0.018173086	0.536306821
MOB1A	MOB kinase activator 1A	1.548439522	1.548439522	up	0.041112026	0.623333169
COQ2	coenzyme Q2 4-hydroxybenzoate polyprenyltransferase	1.548364393	1.548364393	up	0.047489441	0.627322764
CEBPD	CCAAT/enhancer binding protein (C/EBP), delta	1.548335773	1.548335773	up	0.017148722	0.530571823

TSPAN13	tetraspanin 13	1.547852897	1.547852897	up	0.031694887	0.589351082
CSNK2B	casein kinase 2, beta polypeptide	1.547795678	1.547795678	up	0.008915755	0.466623412
IRF3	interferon regulatory factor 3	1.547520337	1.547520337	up	0.0342434	0.595139711
ADGRG1	adhesion G protein-coupled receptor G1	1.547241471	1.547241471	up	0.013374803	0.509292857
MEST	mesoderm specific transcript	1.547223596	1.547223596	up	0.009204337	0.469308003
SLC25A1	solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1	1.546973378	1.546973378	up	0.01121599	0.489992559
IFITM2	interferon induced transmembrane protein 2	1.546430184	1.546430184	up	0.028554933	0.574350948
RSU1	Ras suppressor protein 1	1.546330143	1.546330143	up	0.032176397	0.589852866
LMBR1	limb development membrane protein 1	1.546080069	1.546080069	up	0.049220218	0.630249923
SUV39H2	suppressor of variegation 3-9 homolog 2	1.545905041	1.545905041	up	0.040719453	0.623259064
BZW2	basic leucine zipper and W2 domains 2	1.545855036	1.545855036	up	0.02947108	0.576629742
EIF3B	eukaryotic translation initiation factor 3 subunit B	1.545833606	1.545833606	up	0.015204989	0.518081034
ABCC1	ATP binding cassette subfamily C member 1	1.545587183	1.545587183	up	0.030072111	0.579152964
SERBP1	SERPINE1 mRNA binding protein 1	1.545480055	1.545480055	up	0.013425503	0.509292857
DPY19L4	dpy-19-like 4 (C. elegans)	1.545415782	1.545415782	up	0.044403837	0.623333169
VEGFA	vascular endothelial growth factor A	1.545219407	1.545219407	up	0.016111714	0.524267534
QSOX1	quiescin sulphydryl oxidase 1	1.545083745	1.545083745	up	0.044412606	0.623333169
FLJ23867	uncharacterized protein FLJ23867	1.545083745	1.545083745	up	0.044412606	0.623333169
PGK1	phosphoglycerate kinase 1	1.545065896	1.545065896	up	0.038800948	0.613615561
PPM1H	protein phosphatase, Mg2+/Mn2+ dependent 1H	1.544865996	1.544865996	up	0.038117688	0.612253826
HLA-C	major histocompatibility complex, class I, C	1.544637572	1.544637572	up	0.011406398	0.493420716
ATP1A1	ATPase, Na+/K+ transporting, alpha 1 polypeptide	1.544530509	1.544530509	up	0.007031112	0.432539346
AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	1.544323543	1.544323543	up	0.026134545	0.568076394
NCKAP1	NCK-associated protein 1	1.544212935	1.544212935	up	0.043065037	0.623333169
CLK2	CDC like kinase 2	1.544027416	1.544027416	up	0.015147007	0.518081034
OXCT1	3-oxoacid CoA-transferase 1	1.543891858	1.543891858	up	0.023806096	0.560818064
KRT80	keratin 80, type II	1.543845486	1.543845486	up	0.049569142	0.630325871
UBE2V1	ubiquitin conjugating enzyme E2 variant 1	1.543677844	1.543677844	up	0.027664584	0.570815756
TMEM189-1	TMEM189-UBE2V1 readthrough	1.543677844	1.543677844	up	0.027664584	0.570815756
BST2	bone marrow stromal cell antigen 2	1.543574414	1.543574414	up	0.039296094	0.614821434
PTK2	protein tyrosine kinase 2	1.543331917	1.543331917	up	0.038125018	0.612253826
MCCC2	methylcrotonoyl-CoA carboxylase 2	1.543210683	1.543210683	up	0.015715319	0.522063677
BECN1	beclin 1, autophagy related	1.542996763	1.542996763	up	0.048978327	0.62943979
DCXR	dicarbonyl/L-xylulose reductase	1.542946853	1.542946853	up	0.017234176	0.530571823
PPDPF	pancreatic progenitor cell differentiation and proliferation factor	1.542647425	1.542647425	up	0.044837212	0.623333169
ME1	malic enzyme 1, NADP(+)-dependent, cytosolic	1.542258968	1.542258968	up	0.046101443	0.627185789
GID8	GID complex subunit 8	1.541909797	1.541909797	up	0.018767596	0.539772279
HMMR	hyaluronan-mediated motility receptor (RHAMM)	1.541806486	1.541806486	up	0.013593985	0.5101407
DAZAP2	DAZ associated protein 2	1.541767301	1.541767301	up	0.01734358	0.531030242
ACTG1	actin gamma 1	1.541756614	1.541756614	up	0.030615101	0.582353385
ABCB7	ATP binding cassette subfamily B member 7	1.541599885	1.541599885	up	0.043003672	0.623333169
CDC42BPA	CDC42 binding protein kinase alpha (DMPK-like)	1.541582076	1.541582076	up	0.049329569	0.630325871
RPL22	ribosomal protein L22	1.541578514	1.541578514	up	0.027681628	0.570815756
MRPS33	mitochondrial ribosomal protein S33	1.541400434	1.541400434	up	0.02935957	0.576629742
BMP7	bone morphogenetic protein 7	1.541144035	1.541144035	up	0.036183045	0.603150244
SPOCK1	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican)	1.541015852	1.541015852	up	0.010832765	0.488995826
SUMF1	sulfatase modifying factor 1	1.54100517	1.54100517	up	0.037386671	0.608981156
HNRNPU	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor)	1.540958885	1.540958885	up	0.011113141	0.489992559
LITAF	lipopolysaccharide-induced TNF factor	1.540780877	1.540780877	up	0.032803046	0.590424587
TMEM54	transmembrane protein 54	1.5403573	1.5403573	up	0.04419233	0.623333169
DTD2	D-tyrosyl-tRNA deacylase 2 (putative)	1.540250534	1.540250534	up	0.034526154	0.596676967
FGFR2	fibroblast growth factor receptor 2	1.539834218	1.539834218	up	0.043811373	0.623333169
SLC25A13	solute carrier family 25 (aspartate/glutamate carrier), member 13	1.539802199	1.539802199	up	0.027437528	0.568462255
SPPL2A	signal peptide peptidase like 2A	1.539752392	1.539752392	up	0.03700687	0.606231976

HSDL2	hydroxysteroid dehydrogenase like 2	1.539030372	1.539030372	up	0.032674163	0.590424587
HNRNPA0	heterogeneous nuclear ribonucleoprotein A0	1.539016148	1.539016148	up	0.036203888	0.603150244
CD9	CD9 molecule	1.538920142	1.538920142	up	0.025598155	0.566329497
CLPTM1	cleft lip and palate associated transmembrane protein 1	1.538898808	1.538898808	up	0.042597189	0.623333169
SCARB2	scavenger receptor class B, member 2	1.538600166	1.538600166	up	0.032705925	0.590424587
EIF2S2	eukaryotic translation initiation factor 2 subunit beta	1.538443757	1.538443757	up	0.031313257	0.586144908
ERRFI1	ERBB receptor feedback inhibitor 1	1.538305136	1.538305136	up	0.010036855	0.479491277
ACADM	acyl-CoA dehydrogenase, C-4 to C-12 straight chain	1.538045698	1.538045698	up	0.033594856	0.593014207
NBPF1	neuroblastoma breakpoint family member 1	1.537910666	1.537910666	up	0.025075799	0.565551322
BCAT2	branched chain amino-acid transaminase 2, mitochondrial	1.53768327	1.53768327	up	0.033067867	0.592343125
ACIN1	apoptotic chromatin condensation inducer 1	1.537384863	1.537384863	up	0.049691697	0.630325871
PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1	1.537225026	1.537225026	up	0.042118772	0.623333169
TECR	trans-2,3-enoyl-CoA reductase	1.537150442	1.537150442	up	0.038780004	0.613615561
LAPTM4A	lysosomal protein transmembrane 4 alpha	1.537029693	1.537029693	up	0.017461472	0.531030242
CTBP1	C-terminal binding protein 1	1.537008385	1.537008385	up	0.026447572	0.568317266
MCM3	minichromosome maintenance complex component 3	1.536916056	1.536916056	up	0.044086504	0.623333169
DEK	DEK proto-oncogene	1.536901852	1.536901852	up	0.010816022	0.488995826
SLC5A3	solute carrier family 5 (sodium/myo-inositol cotransporter), member 3	1.536834384	1.536834384	up	0.048776013	0.62943979
R3HDM2	R3H domain containing 2	1.536781122	1.536781122	up	0.02941622	0.576629742
TNFRSF21	tumor necrosis factor receptor superfamily member 21	1.536724312	1.536724312	up	0.015929062	0.523501532
YIPF6	Yip1 domain family member 6	1.536688807	1.536688807	up	0.025690973	0.566329497
FAM127B	family with sequence similarity 127 member B	1.536585845	1.536585845	up	0.041793006	0.623333169
ARF5	ADP ribosylation factor 5	1.536571644	1.536571644	up	0.01432538	0.514676952
CTSV	cathepsin V	1.536564544	1.536564544	up	0.047851197	0.627854743
CAPNS1	calpain, small subunit 1	1.536220211	1.536220211	up	0.02248271	0.551250506
BLVRB	biliverdin reductase B	1.5360463	1.5360463	up	0.020374881	0.549146
ACADVL	acyl-CoA dehydrogenase, very long chain	1.535939833	1.535939833	up	0.039590142	0.617458765
C11orf70	chromosome 11 open reading frame 70	1.535801437	1.535801437	up	0.02878438	0.574350948
VMP1	vacuole membrane protein 1	1.535368586	1.535368586	up	0.020886987	0.549146
MIR21	microRNA 21	1.535368586	1.535368586	up	0.020886987	0.549146
MPV17	MpV17 mitochondrial inner membrane protein	1.535262166	1.535262166	up	0.03619121	0.603150244
RAB1B	RAB1B, member RAS oncogene family	1.535201865	1.535201865	up	0.0479905	0.627854743
RAB1A	RAB1A, member RAS oncogene family	1.535201865	1.535201865	up	0.0479905	0.627854743
SMDT1	single-pass membrane protein with aspartate-rich tail 1	1.535198318	1.535198318	up	0.04822377	0.627892392
POLR2E	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	1.534981962	1.534981962	up	0.046915948	0.627322764
GNG10	guanine nucleotide binding protein (G protein), gamma 10	1.534563525	1.534563525	up	0.008958155	0.466623412
DNAJC25- GNG10	DNAJC25-GNG10 readthrough	1.534563525	1.534563525	up	0.008958155	0.466623412
TM9SF3	transmembrane 9 superfamily member 3	1.534372075	1.534372075	up	0.028785766	0.574350948
SQSTM1	sequestosome 1	1.534148747	1.534148747	up	0.028522163	0.574350948
TSPAN6	tetraspanin 6	1.533765974	1.533765974	up	0.038089458	0.612253826
IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	1.533454155	1.533454155	up	0.04897579	0.62943979
HDLBP	high density lipoprotein binding protein	1.533269929	1.533269929	up	0.019302279	0.543126657
EIF4EBP1	eukaryotic translation initiation factor 4E binding protein 1	1.533259301	1.533259301	up	0.041632979	0.623333169
RXRA	retinoid X receptor alpha	1.532766961	1.532766961	up	0.045592201	0.625770788
FAM122B	family with sequence similarity 122B	1.532529703	1.532529703	up	0.043646174	0.623333169
MORC2	MORC family CW-type zinc finger 2	1.532359749	1.532359749	up	0.043050531	0.623333169
GPX3	glutathione peroxidase 3	1.532172114	1.532172114	up	0.044571256	0.623333169
TADA3	transcriptional adaptor 3	1.532111934	1.532111934	up	0.038875274	0.613615561
DBNL	drebrin-like	1.531729669	1.531729669	up	0.032796723	0.590424587
ZDHHC4	zinc finger, DHHC-type containing 4	1.531694279	1.531694279	up	0.043006971	0.623333169
UBE2D1	ubiquitin conjugating enzyme E2D 1	1.531662429	1.531662429	up	0.032918365	0.590894404
HSPB11	heat shock protein family B (small) member 11	1.531241359	1.531241359	up	0.036281687	0.603215176
ATP6V1A	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A	1.531152913	1.531152913	up	0.026632315	0.568317266
KLHL5	kelch like family member 5	1.531032636	1.531032636	up	0.035337795	0.600698736

IARS	isoleucyl-tRNA synthetase	1.530993724	1.530993724	up	0.007720151	0.44458454
HNRNPA3	heterogeneous nuclear ribonucleoprotein A3	1.530869922	1.530869922	up	0.049232021	0.630249923
HNRNPA3P1	heterogeneous nuclear ribonucleoprotein A3 pseudogene 1	1.530869922	1.530869922	up	0.049232021	0.630249923
GBAP1	glucosidase, beta, acid pseudogene 1	1.530831015	1.530831015	up	0.038806299	0.613615561
GBA	glucosidase, beta, acid	1.530831015	1.530831015	up	0.038806299	0.613615561
PRCP	prolylcarboxypeptidase	1.530785035	1.530785035	up	0.034072234	0.595139711
TMSB4X	thymosin beta 4, X-linked	1.530512721	1.530512721	up	0.046509764	0.627185789
APMAP	adipocyte plasma membrane associated protein	1.53006722	1.53006722	up	0.021404777	0.549146
CDK4	cyclin-dependent kinase 4	1.52920134	1.52920134	up	0.040104651	0.621238987
OST4	oligosaccharyltransferase complex subunit 4 (non-catalytic)	1.528844527	1.528844527	up	0.038109428	0.612253826
CHMP3	charged multivesicular body protein 3	1.528321824	1.528321824	up	0.021294923	0.549146
RNF103- CHMP3	RNF103-CHMP3 readthrough	1.528321824	1.528321824	up	0.021294923	0.549146
ORMDL2	ORMDL sphingolipid biosynthesis regulator 2	1.528215893	1.528215893	up	0.030071259	0.579152964
LSM4	LSM4 homolog, U6 small nuclear RNA and mRNA degradation	1.527700464	1.527700464	up	0.040494536	0.623005985
ATP5G2	ATP synthase, H+ transporting, mitochondrial Fo complex subunit C2 (subunit 9)	1.527531046	1.527531046	up	0.024265658	0.563333857
TAX1BP1	Tax1 (human T-cell leukemia virus type I) binding protein 1	1.527435757	1.527435757	up	0.008956165	0.466623412
TARS	threonyl-tRNA synthetase	1.527199324	1.527199324	up	0.042383418	0.623333169
KHDRBS1	KH domain containing, RNA binding, signal transduction associated 1	1.526790063	1.526790063	up	0.046512988	0.627185789
UBE2I	ubiquitin conjugating enzyme E2I	1.526529041	1.526529041	up	0.048346039	0.627892392
GPX4	glutathione peroxidase 4	1.525915461	1.525915461	up	0.01539173	0.521001176
NDUFA13	NADH:ubiquinone oxidoreductase subunit A13	1.525897833	1.525897833	up	0.037753124	0.610579997
PRPF19	pre-mRNA processing factor 19	1.525756816	1.525756816	up	0.041622013	0.623333169
DNAJC15	DnaJ heat shock protein family (Hsp40) member C15	1.525721564	1.525721564	up	0.039814378	0.619728343
LOC102724770	protein DGCR6	1.525573515	1.525573515	up	0.036961734	0.606003692
DGCR6	DiGeorge syndrome critical region gene 6	1.525573515	1.525573515	up	0.036961734	0.606003692
DGCR6L	DiGeorge syndrome critical region gene 6-like	1.525573515	1.525573515	up	0.036961734	0.606003692
PDIA6	protein disulfide isomerase family A member 6	1.525446626	1.525446626	up	0.026551529	0.568317266
EIF3E	eukaryotic translation initiation factor 3 subunit E	1.525347943	1.525347943	up	0.012580469	0.504821772
CYBA	cytochrome b-245, alpha polypeptide	1.524548136	1.524548136	up	0.032056947	0.589351082
CCDC71L	coiled-coil domain containing 71-like	1.524519956	1.524519956	up	0.043227528	0.623333169
NADK	NAD kinase	1.5244953	1.5244953	up	0.044508695	0.623333169
SCNM1	sodium channel modifier 1	1.523196113	1.523196113	up	0.046230461	0.627185789
TNFAIP8L2- SCNM1	TNFAIP8L2-SCNM1 readthrough	1.523196113	1.523196113	up	0.046230461	0.627185789
PRSS23	protease, serine 23	1.523041271	1.523041271	up	0.033269969	0.593014207
PTGR1	prostaglandin reductase 1	1.522925149	1.522925149	up	0.049587145	0.630325871
ITM2B	integral membrane protein 2B	1.522840702	1.522840702	up	0.021697247	0.550085548
MTPN	myotrophin	1.522612016	1.522612016	up	0.0466582	0.627185789
LUZP6	leucine zipper protein 6	1.522612016	1.522612016	up	0.0466582	0.627185789
IMPA2	inositol(myo)-1(or 4)-monophosphatase 2	1.522527587	1.522527587	up	0.042622148	0.623333169
EEF2	eukaryotic translation elongation factor 2	1.52190155	1.52190155	up	0.036196648	0.603150244
P4HB	prolyl 4-hydroxylase, beta polypeptide	1.520657275	1.520657275	up	0.043162046	0.623333169
YAP1	Yes associated protein 1	1.520232205	1.520232205	up	0.033406455	0.593014207
NGFRAP1	nerve growth factor receptor (TNFRSF16) associated protein 1	1.519824812	1.519824812	up	0.012478859	0.503825939
RPF2	ribosome production factor 2 homolog	1.519403485	1.519403485	up	0.045362708	0.624555255
B2M	beta-2-microglobulin	1.519396464	1.519396464	up	0.043116793	0.623333169
GNAS	GNAS complex locus	1.518582235	1.518582235	up	0.041762684	0.623333169
TUBB	tubulin, beta class I	1.51730211	1.51730211	up	0.048065592	0.627892392
FTL	ferritin, light polypeptide	1.515960016	1.515960016	up	0.01095097	0.489869256
TPM3	tropomyosin 3	1.515343682	1.515343682	up	0.03696469	0.606003692
PSAP	prosaposin	1.515060112	1.515060112	up	0.035983607	0.603119509
KDELR2	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention	1.514528125	1.514528125	up	0.03410894	0.595139711
LSM3	LSM3 homolog, U6 small nuclear RNA and mRNA degradation	1.513964842	1.513964842	up	0.04850977	0.62898126
SOD1	superoxide dismutase 1, soluble	1.512237815	1.512237815	up	0.047925308	0.627854743
BRX1	BRX1, biogenesis of ribosomes	1.51208758	1.51208758	up	0.044944075	0.623333169

SRP14	signal recognition particle 14kDa	1.511654427	1.511654427	up	0.035682037	0.602074261
RPL13P12	ribosomal protein L13 pseudogene 12	1.50565201	1.50565201	up	0.028655268	0.574350948
RPL13	ribosomal protein L13	1.50565201	1.50565201	up	0.028655268	0.574350948
HMGN2	high mobility group nucleosomal binding domain 2	1.503045173	1.503045173	up	0.049479018	0.630325871
NPM1	nucleophosmin (nucleolar phosphoprotein B23, numatrin)	-1.505805085	1.505805085	down	0.037835006	0.611314999
CCT3	chaperonin containing TCP1, subunit 3 (gamma)	-1.508357461	1.508357461	down	0.048724154	0.62943979
NEDD8	neural precursor cell expressed, developmentally down-regulated 8	-1.508587492	1.508587492	down	0.044182417	0.623333169
LOC100128775	neural precursor cell expressed, developmentally down-regulated 8	-1.508587492	1.508587492	down	0.044182417	0.623333169
ZFAS1	ZNFX1 antisense RNA 1	-1.508646748	1.508646748	down	0.049798998	0.630405293
EFEMP1	EGF containing fibulin-like extracellular matrix protein 1	-1.508807099	1.508807099	down	0.046541312	0.627185789
BRD2	bromodomain containing 2	-1.512842399	1.512842399	down	0.049790663	0.630405293
VDAC2	voltage-dependent anion channel 2	-1.513908875	1.513908875	down	0.028331541	0.57421459
PHB	prohibitin	-1.51445814	1.51445814	down	0.043594956	0.623333169
PCBP2	poly(rC) binding protein 2	-1.514923598	1.514923598	down	0.030009603	0.579152964
PRMT1	protein arginine methyltransferase 1	-1.515651818	1.515651818	down	0.042962185	0.623333169
NUTF2	nuclear transport factor 2	-1.515767385	1.515767385	down	0.049517575	0.630325871
ACLY	ATP citrate lyase	-1.515893468	1.515893468	down	0.0418006	0.623333169
PSMB2	proteasome subunit beta 2	-1.516198212	1.516198212	down	0.046164995	0.627185789
MRFAP1	Morf4 family associated protein 1	-1.517554542	1.517554542	down	0.045789182	0.626389846
TUBB6	tubulin, beta 6 class V	-1.51849452	1.51849452	down	0.030583949	0.582174647
BIRC2	baculoviral IAP repeat containing 2	-1.519185846	1.519185846	down	0.038757002	0.613615561
SNU13	SNU13 homolog, small nuclear ribonucleoprotein (U4/U6.U5)	-1.519308703	1.519308703	down	0.034207282	0.595139711
ITGA2	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	-1.51952636	1.51952636	down	0.03605931	0.603150244
ELAC2	elaC ribonuclease Z 2	-1.520499177	1.520499177	down	0.025328645	0.565656951
NOP56	NOP56 ribonucleoprotein	-1.520530796	1.520530796	down	0.04196971	0.623333169
F3	coagulation factor III (thromboplastin, tissue factor)	-1.520653762	1.520653762	down	0.036888833	0.606003692
MRPS12	mitochondrial ribosomal protein S12	-1.520832958	1.520832958	down	0.045669348	0.625770788
DAP3	death associated protein 3	-1.521005148	1.521005148	down	0.034696574	0.597999402
PSMC6	proteasome 26S subunit, ATPase 6	-1.521398797	1.521398797	down	0.045703528	0.625770788
CPNE1	copine I	-1.521430434	1.521430434	down	0.040837984	0.623333169
LSM10	LSM10, U7 small nuclear RNA associated	-1.521859355	1.521859355	down	0.043232646	0.623333169
DDX1	DEAD (Asp-Glu-Ala-Asp) box helicase 1	-1.522059794	1.522059794	down	0.039264215	0.614613629
TNFRSF12A	tumor necrosis factor receptor superfamily member 12A	-1.52240447	1.52240447	down	0.022956483	0.554273475
NAP1L1	nucleosome assembly protein 1-like 1	-1.52275626	1.52275626	down	0.037234955	0.607707429
PNN	pinin, desmosome associated protein	-1.523002562	1.523002562	down	0.02925059	0.576629742
CNPY2	canopy FGF signaling regulator 2	-1.523150363	1.523150363	down	0.029922682	0.579152964
PSMC2	proteasome 26S subunit, ATPase 2	-1.523238346	1.523238346	down	0.037990917	0.612253826
ARPC5L	actin related protein 2/3 complex subunit 5-like	-1.523312256	1.523312256	down	0.027107361	0.568317266
RPL26L1	ribosomal protein L26 like 1	-1.523773393	1.523773393	down	0.046728159	0.627185789
SRSF1	serine/arginine-rich splicing factor 1	-1.52385437	1.52385437	down	0.019870056	0.549146
ARL4A	ADP ribosylation factor like GTPase 4A	-1.523864933	1.523864933	down	0.028906405	0.574350948
GSTO1	glutathione S-transferase omega 1	-1.524470644	1.524470644	down	0.037444138	0.609086153
TUBA1C	tubulin, alpha 1c	-1.525217549	1.525217549	down	0.035195318	0.600433528
DDA1	DET1 and DDB1 associated 1	-1.525605238	1.525605238	down	0.045566964	0.625770788
LDHA	lactate dehydrogenase A	-1.526169326	1.526169326	down	0.015954471	0.523501532
MED31	mediator complex subunit 31	-1.526324487	1.526324487	down	0.046437273	0.627185789
BZW1	basic leucine zipper and W2 domains 1	-1.52688884	1.52688884	down	0.032797439	0.590424587
CERS2	ceramide synthase 2	-1.52703349	1.52703349	down	0.027074168	0.568317266
HACD3	3-hydroxyacyl-CoA dehydratase 3	-1.527139339	1.527139339	down	0.032110751	0.589617364
SEPT9	septin 9	-1.527993461	1.527993461	down	0.013405677	0.509292857
PLAA	phospholipase A2-activating protein	-1.528943437	1.528943437	down	0.034182594	0.595139711
EIF1	eukaryotic translation initiation factor 1	-1.528943437	1.528943437	down	0.039609268	0.617512407
PTTG1IP	pituitary tumor-transforming 1 interacting protein	-1.528971698	1.528971698	down	0.022349219	0.551238726
REXO2	RNA exonuclease 2	-1.528982297	1.528982297	down	0.020389176	0.549146

MRPL45	mitochondrial ribosomal protein L45	-1.529356809	1.529356809	down	0.04822931	0.627892392
SELK	selenoprotein K	-1.529370943	1.529370943	down	0.048760437	0.62943979
DDX3X	DEAD (Asp-Glu-Ala-Asp) box helicase 3, X-linked	-1.529614781	1.529614781	down	0.022081229	0.550353494
SLC39A1	solute carrier family 39 (zinc transporter), member 1	-1.529657191	1.529657191	down	0.033866538	0.594363028
ATP6V0B	ATPase, H+ transporting, lysosomal 21kDa, V0 subunit b	-1.530099037	1.530099037	down	0.025606132	0.566329497
SH3BGR13	SH3 domain binding glutamate-rich protein like 3	-1.530190957	1.530190957	down	0.031993458	0.589351082
NTMT1	N-terminal Xaa-Pro-Lys N-methyltransferase 1	-1.530297026	1.530297026	down	0.030654313	0.582387558
SRSF2	serine/arginine-rich splicing factor 2	-1.530311169	1.530311169	down	0.036101066	0.603150244
ILF3	interleukin enhancer binding factor 3	-1.530487967	1.530487967	down	0.025082247	0.565551322
NNMT	nicotinamide N-methyltransferase	-1.530597593	1.530597593	down	0.039410585	0.616122981
TWISTNB	TWIST neighbor	-1.530608202	1.530608202	down	0.031844876	0.589351082
NOLC1	nucleolar and coiled-body phosphoprotein 1	-1.530682469	1.530682469	down	0.024320982	0.563505276
PSMB5	proteasome subunit beta 5	-1.530717836	1.530717836	down	0.030481483	0.581882081
UBE2L3	ubiquitin conjugating enzyme E2L 3	-1.530795646	1.530795646	down	0.025793961	0.566329497
DHX9	DEAH (Asp-Glu-Ala-His) box helicase 9	-1.530873459	1.530873459	down	0.0333365	0.593014207
CDK9	cyclin-dependent kinase 9	-1.531050323	1.531050323	down	0.049642967	0.630325871
ASL	argininosuccinate lyase	-1.531287352	1.531287352	down	0.046962122	0.627322764
SNX17	sorting nexin 17	-1.531414726	1.531414726	down	0.046965928	0.627322764
KIAA1143	KIAA1143	-1.531591653	1.531591653	down	0.04887554	0.62943979
CCAR1	cell division cycle and apoptosis regulator 1	-1.531595191	1.531595191	down	0.045877505	0.627096746
ZCCHC17	zinc finger, CCHC domain containing 17	-1.532023438	1.532023438	down	0.040163933	0.621238987
MRPL3	mitochondrial ribosomal protein L3	-1.532377452	1.532377452	down	0.035278194	0.600698736
TMEM18	transmembrane protein 18	-1.532575735	1.532575735	down	0.041651859	0.623333169
SH3GLB1	SH3-domain GRB2-like endophilin B1	-1.532618228	1.532618228	down	0.036313823	0.603215176
RAP1B	RAP1B, member of RAS oncogene family	-1.532621769	1.532621769	down	0.03557196	0.601354231
FADD	Fas associated via death domain	-1.532667804	1.532667804	down	0.046476204	0.627185789
EEF1E1	eukaryotic translation elongation factor 1 epsilon 1	-1.532809459	1.532809459	down	0.048277413	0.627892392
EEF1E1- BLOC1S5	EEF1E1-BLOC1S5 readthrough (NMD candidate)	-1.532809459	1.532809459	down	0.048277413	0.627892392
ARL6IP4	ADP ribosylation factor like GTPase 6 interacting protein 4	-1.532844875	1.532844875	down	0.04670689	0.627185789
NDUFB10	NADH:ubiquinone oxidoreductase subunit B10	-1.532890917	1.532890917	down	0.02787067	0.572241118
ANXA2	annexin A2	-1.532933418	1.532933418	down	0.008767571	0.466623412
PTGES3	prostaglandin E synthase 3	-1.533149485	1.533149485	down	0.04432582	0.623333169
DCUN1D5	DCN1, defective in cullin neddylation 1, domain containing 5	-1.533365582	1.533365582	down	0.026955795	0.568317266
S100A16	S100 calcium binding protein A16	-1.533574623	1.533574623	down	0.012339629	0.503186668
TES	testin LIM domain protein	-1.53360297	1.53360297	down	0.031967969	0.589351082
GLO1	glyoxalase I	-1.53360297	1.53360297	down	0.027180465	0.568317266
CXorf40A	chromosome X open reading frame 40A	-1.533765974	1.533765974	down	0.048314513	0.627892392
CXorf40B	chromosome X open reading frame 40B	-1.533765974	1.533765974	down	0.048314513	0.627892392
CST6	cystatin E/M	-1.533943171	1.533943171	down	0.026327564	0.568317266
MRPL14	mitochondrial ribosomal protein L14	-1.53395026	1.53395026	down	0.018226215	0.536306821
GPN1	GPN-loop GTPase 1	-1.534021145	1.534021145	down	0.034411167	0.596656508
CTU2	cytosolic thiouridylase subunit 2 homolog (S. pombe)	-1.534028234	1.534028234	down	0.044191638	0.623333169
PRKAR2A	protein kinase, cAMP-dependent, regulatory subunit type II alpha	-1.534028234	1.534028234	down	0.044191638	0.623333169
C6orf62	chromosome 6 open reading frame 62	-1.534269269	1.534269269	down	0.049519091	0.630325871
RNF181	ring finger protein 181	-1.534538706	1.534538706	down	0.029714944	0.577947966
RARS	arganyl-tRNA synthetase	-1.534542252	1.534542252	down	0.027822864	0.572241118
MRPS34	mitochondrial ribosomal protein S34	-1.534570616	1.534570616	down	0.020163178	0.549146
LRRC47	leucine rich repeat containing 47	-1.534726631	1.534726631	down	0.007125271	0.434730278
C21orf59	chromosome 21 open reading frame 59	-1.534747907	1.534747907	down	0.037739888	0.610579997
PRPF8	pre-mRNA processing factor 8	-1.534769183	1.534769183	down	0.016840818	0.530351036
PSMA5	proteasome subunit alpha 5	-1.534772729	1.534772729	down	0.025771987	0.566329497
MRPL34	mitochondrial ribosomal protein L34	-1.534794006	1.534794006	down	0.019729817	0.548491703
ADRM1	adhesion regulating molecule 1	-1.534950044	1.534950044	down	0.013980574	0.511949108
TRIM28	tripartite motif containing 28	-1.534950044	1.534950044	down	0.034756196	0.598002352

DHX38	DEAH (Asp-Glu-Ala-His) box polypeptide 38	-1.534974869	1.534974869	down	0.024992677	0.565551322
PSMC1	proteasome 26S subunit, ATPase 1	-1.535031615	1.535031615	down	0.01415835	0.514636149
TRIM33	tripartite motif containing 33	-1.535031615	1.535031615	down	0.037475209	0.609325627
PTPN2	protein tyrosine phosphatase, non-receptor type 2	-1.535265713	1.535265713	down	0.041475417	0.623333169
CDC45	cell division cycle associated 5	-1.535822727	1.535822727	down	0.033636927	0.593014207
MFF	mitochondrial fission factor	-1.535854664	1.535854664	down	0.032591391	0.590424587
TMEM14C	transmembrane protein 14C	-1.535886602	1.535886602	down	0.009067686	0.466623412
MYL6B	myosin light chain 6B	-1.535922089	1.535922089	down	0.034931295	0.599159228
UCHL3	ubiquitin C-terminal hydrolase L3	-1.536337347	1.536337347	down	0.031256398	0.585954505
OLFML3	olfactomedin like 3	-1.53685924	1.53685924	down	0.035336457	0.600698736
ORAI1	ORAI calcium release-activated calcium modulator 1	-1.537452355	1.537452355	down	0.047025521	0.627322764
FLNB	filamin B, beta	-1.537484326	1.537484326	down	0.019059652	0.541720736
ATP6V1D	ATPase, H+ transporting, lysosomal 34kDa, V1 subunit D	-1.537555374	1.537555374	down	0.015376867	0.521001176
DUSP14	dual specificity phosphatase 14	-1.53768327	1.53768327	down	0.019922603	0.549146
TGFB1	transforming growth factor beta induced	-1.53785026	1.53785026	down	0.040495085	0.623005985
FAM195A	family with sequence similarity 195 member A	-1.537853814	1.537853814	down	0.032696869	0.590424587
LOC100287175	uncharacterized LOC100287175	-1.537853814	1.537853814	down	0.032696869	0.590424587
ZMIZ2	zinc finger, MIZ-type containing 2	-1.538194958	1.538194958	down	0.041883357	0.623333169
KDM2A	lysine (K)-specific demethylase 2A	-1.538248269	1.538248269	down	0.041802976	0.623333169
MAP3K7	mitogen-activated protein kinase kinase kinase 7	-1.53846864	1.53846864	down	0.046826343	0.627322764
SLC39A10	solute carrier family 39 (zinc transporter), member 10	-1.53852196	1.53852196	down	0.019568987	0.546194159
ACSL3	acyl-CoA synthetase long-chain family member 3	-1.538625051	1.538625051	down	0.018757624	0.539772279
FAM171A1	family with sequence similarity 171 member A1	-1.538667711	1.538667711	down	0.038239204	0.612402879
MRPL42	mitochondrial ribosomal protein L42	-1.538785033	1.538785033	down	0.043924802	0.623333169
SNRNP70	small nuclear ribonucleoprotein, U1 70kDa subunit	-1.538813476	1.538813476	down	0.01238633	0.503186668
TXNL1	thioredoxin like 1	-1.539542509	1.539542509	down	0.021363149	0.549146
SEC61A1	Sec61 translocon alpha 1 subunit	-1.539837776	1.539837776	down	0.028826948	0.574350948
KANSL2	KAT8 regulatory NSL complex subunit 2	-1.539944513	1.539944513	down	0.031492457	0.587257488
NAA20	N(alpha)-acetyltransferase 20, NatB catalytic subunit	-1.539962303	1.539962303	down	0.038976806	0.613717043
PGP	phosphoglycolate phosphatase	-1.540343064	1.540343064	down	0.012083067	0.498584823
GPR89A	G protein-coupled receptor 89A	-1.540510343	1.540510343	down	0.031398675	0.58634196
GPR89B	G protein-coupled receptor 89B	-1.540510343	1.540510343	down	0.031398675	0.58634196
DHX36	DEAH (Asp-Glu-Ala-His) box polypeptide 36	-1.54052814	1.54052814	down	0.039189401	0.614613629
DUT	deoxyuridine triphosphatase	-1.540542378	1.540542378	down	0.017001633	0.530571823
HIF1A	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	-1.540670522	1.540670522	down	0.025207924	0.565656951
ABL2	ABL proto-oncogene 2, non-receptor tyrosine kinase	-1.541079942	1.541079942	down	0.023997399	0.562265417
THAP7	THAP domain containing 7	-1.541236619	1.541236619	down	0.046738893	0.627185789
TMEM181	transmembrane protein 181	-1.541297157	1.541297157	down	0.042865091	0.623333169
RHOC	ras homolog family member C	-1.541347014	1.541347014	down	0.028141163	0.57421459
VAR5	valyl-tRNA synthetase	-1.541361259	1.541361259	down	0.024551246	0.563613185
GTF2H2B	general transcription factor IIH subunit 2B (pseudogene)	-1.541546458	1.541546458	down	0.026983738	0.568317266
GTF2H2C_2	GTF2H2 family member C, copy 2	-1.541546458	1.541546458	down	0.026983738	0.568317266
GTF2H2C	GTF2H2 family member C	-1.541546458	1.541546458	down	0.026983738	0.568317266
GTF2H2	general transcription factor IIH subunit 2	-1.541546458	1.541546458	down	0.026983738	0.568317266
PAIP2	poly(A) binding protein interacting protein 2	-1.541756614	1.541756614	down	0.041456225	0.623333169
UBR4	ubiquitin protein ligase E3 component n-recogin 4	-1.541874172	1.541874172	down	0.02005322	0.549146
YWHAH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein eta	-1.541970362	1.541970362	down	0.011741659	0.495320532
PSMG1	proteasome (prosome, macropain) assembly chaperone 1	-1.542262532	1.542262532	down	0.014743331	0.515525808
AP5Z1	adaptor-related protein complex 5, zeta 1 subunit	-1.542376564	1.542376564	down	0.043556902	0.623333169
POLR2L	polymerase (RNA) II (DNA directed) polypeptide L, 7.6kDa	-1.542419329	1.542419329	down	0.008410873	0.4606964
CRAT	carnitine O-acetyltransferase	-1.542611783	1.542611783	down	0.042409715	0.623333169
PLEKHJ1	pleckstrin homology domain containing J1	-1.542615347	1.542615347	down	0.043518272	0.623333169
GMPS	guanine monophosphate synthase	-1.542775744	1.542775744	down	0.009557811	0.475470418
SAFB	scaffold attachment factor B	-1.542800697	1.542800697	down	0.049718324	0.630325871

ZFAND5	zinc finger, AN1-type domain 5	-1.542911204	1.542911204	down	0.021943401	0.550085548
TMBIM1	transmembrane BAX inhibitor motif containing 1	-1.542975373	1.542975373	down	0.027239745	0.568317266
ARNTL2	aryl hydrocarbon receptor nuclear translocator like 2	-1.543485257	1.543485257	down	0.040160058	0.621238987
PTP4A2	protein tyrosine phosphatase type IVA, member 2	-1.543513787	1.543513787	down	0.038867503	0.613615561
SSRP1	structure specific recognition protein 1	-1.54359938	1.54359938	down	0.028021186	0.573304608
SAV1	salvador family WW domain containing protein 1	-1.543795548	1.543795548	down	0.042361981	0.623333169
MYDGF	myeloid-derived growth factor	-1.543866888	1.543866888	down	0.015214065	0.518081034
VTAA1	vesicle (multivesicular body) trafficking 1	-1.543941799	1.543941799	down	0.027184708	0.568317266
OSBP	oxysterol binding protein	-1.544113037	1.544113037	down	0.039520276	0.616906565
RBM14	RNA binding motif protein 14	-1.544223638	1.544223638	down	0.014933502	0.516117046
TRFG	TRK-fused gene	-1.544691106	1.544691106	down	0.025870356	0.566523191
PSMA3	proteasome subunit alpha 3	-1.544733934	1.544733934	down	0.047516526	0.627469987
FARSB	phenylalanyl-tRNA synthetase beta subunit	-1.544766057	1.544766057	down	0.02051831	0.549146
CKS1B	CDC28 protein kinase regulatory subunit 1B	-1.545126585	1.545126585	down	0.027411847	0.568462255
NDC1	NDC1 transmembrane nucleoporin	-1.545237258	1.545237258	down	0.044583893	0.623333169
TMEM222	transmembrane protein 222	-1.545333658	1.545333658	down	0.044330437	0.623333169
SS18L2	synovial sarcoma translocation gene on chromosome 18-like 2	-1.545712176	1.545712176	down	0.015176895	0.518081034
LAMTOR2	late endosomal/lysosomal adaptor, MAPK and MTOR activator 2	-1.545733604	1.545733604	down	0.046762334	0.627185789
COMMD6	COMM domain containing 6	-1.546001482	1.546001482	down	0.044837061	0.623333169
ERBB3	erb-b2 receptor tyrosine kinase 3	-1.546037203	1.546037203	down	0.049683471	0.630325871
DYNC1L12	dynein, cytoplasmic 1, light intermediate chain 2	-1.546072924	1.546072924	down	0.036220169	0.603150244
PSMD2	proteasome 26S subunit, non-ATPase 2	-1.546487354	1.546487354	down	0.025522109	0.566329497
PAFAH1B1	platelet activating factor acetylhydrolase 1b regulatory subunit 1	-1.546619566	1.546619566	down	0.018799131	0.539772279
TEAD4	TEA domain family member 4	-1.546783953	1.546783953	down	0.020326232	0.549146
GPR180	G protein-coupled receptor 180	-1.547023418	1.547023418	down	0.035463581	0.600698736
PTPRM	protein tyrosine phosphatase, receptor type, M	-1.547119929	1.547119929	down	0.035065517	0.600153938
TINF2	TERF1 (TRF1)-interacting nuclear factor 2	-1.547198573	1.547198573	down	0.021886988	0.550085548
PTPMT1	protein tyrosine phosphatase, mitochondrial 1	-1.54731297	1.54731297	down	0.044336685	0.623333169
CCDC51	coiled-coil domain containing 51	-1.547484582	1.547484582	down	0.039445808	0.616428841
WDR44	WD repeat domain 44	-1.547895813	1.547895813	down	0.044194908	0.623333169
ARHGEF16	Rho guanine nucleotide exchange factor 16	-1.54796019	1.54796019	down	0.048831424	0.62943979
GTF2H5	general transcription factor IIH subunit 5	-1.548020992	1.548020992	down	0.046918073	0.627322764
STIL	SCL/TAL1 interrupting locus	-1.54806749	1.54806749	down	0.044633818	0.623333169
DPH1	diphthamide biosynthesis 1	-1.548149759	1.548149759	down	0.028977481	0.574540338
OVCA2	ovarian tumor suppressor candidate 2	-1.548149759	1.548149759	down	0.028977481	0.574540338
MLLT4	myeloid/lymphoid or mixed-lineage leukemia; translocated to, 4	-1.548174798	1.548174798	down	0.029241591	0.576629742
PI4KB	phosphatidylinositol 4-kinase, catalytic, beta	-1.548264226	1.548264226	down	0.046550257	0.627185789
DNAJA1	DnaJ heat shock protein family (Hsp40) member A1	-1.548267804	1.548267804	down	0.02949314	0.576629742
ARID5B	AT-rich interaction domain 5B	-1.548299999	1.548299999	down	0.030156473	0.57950115
GPATCH4	G-patch domain containing 4	-1.548303577	1.548303577	down	0.011629569	0.495320532
UPF1	UPF1 regulator of nonsense transcripts homolog (yeast)	-1.548403745	1.548403745	down	0.041267307	0.623333169
AIMP2	aminoacyl tRNA synthetase complex-interacting multifunctional	-1.548439522	1.548439522	down	0.007640341	0.443884559
GTPBP4	GTP binding protein 4	-1.548543277	1.548543277	down	0.007102658	0.434730278
ANKRD13A	ankyrin repeat domain 13A	-1.548697134	1.548697134	down	0.005494469	0.401886731
RABGEF1	RAB guanine nucleotide exchange factor (GEF) 1	-1.54872576	1.54872576	down	0.034488676	0.596656508
KCTD7	potassium channel tetramerization domain containing 7	-1.54872576	1.54872576	down	0.034488676	0.596656508
TRMT2A	tRNA methyltransferase 2 homolog A	-1.54879375	1.54879375	down	0.040047462	0.621145923
CTNNAL1	catenin alpha-like 1	-1.548961947	1.548961947	down	0.016880809	0.530489988
NR2F6	nuclear receptor subfamily 2 group F member 6	-1.549123004	1.549123004	down	0.008644531	0.466623412
KANSL3	KAT8 regulatory NSL complex subunit 3	-1.549237544	1.549237544	down	0.04045452	0.623005985
FAM20C	family with sequence similarity 20 member C	-1.54940221	1.54940221	down	0.02339267	0.556698922
TPBG	trophoblast glycoprotein	-1.549577634	1.549577634	down	0.044209351	0.623333169
MGAT2	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-	-1.549577634	1.549577634	down	0.022482998	0.551250506
TMEM206	transmembrane protein 206	-1.549609857	1.549609857	down	0.048703407	0.62943979

PROSC	proline synthetase co-transcribed homolog (bacterial)	-1.549685046	1.549685046	down	0.034927106	0.599159228
TCEA2	transcription elongation factor A (SII), 2	-1.549753078	1.549753078	down	0.014539623	0.515525808
BRMS1	breast cancer metastasis suppressor 1	-1.549896312	1.549896312	down	0.010882069	0.489568753
YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation nrotein, theta	-1.549967934	1.549967934	down	0.028891881	0.574350948
CSTB	cystatin B (stefin B)	-1.550010909	1.550010909	down	0.015528843	0.52192494
NSFL1C	NSFL1 (p97) cofactor (p47)	-1.550032397	1.550032397	down	0.026962769	0.568317266
MED15	mediator complex subunit 15	-1.550043141	1.550043141	down	0.032545429	0.590424587
LINC01000	long intergenic non-protein coding RNA 1000	-1.55033684	1.55033684	down	0.048131981	0.627892392
NPIPB11	nuclear pore complex interacting protein family member B11	-1.55054103	1.55054103	down	0.015962706	0.523501532
NPIPB5	nuclear pore complex interacting protein family, member B5	-1.55054103	1.55054103	down	0.015962706	0.523501532
NPIPB4	nuclear pore complex interacting protein family member B4	-1.55054103	1.55054103	down	0.015962706	0.523501532
LOC105369248	nuclear pore complex-interacting protein family member B5-like	-1.55054103	1.55054103	down	0.015962706	0.523501532
NPIPB3	nuclear pore complex interacting protein family, member B3	-1.55054103	1.55054103	down	0.015962706	0.523501532
AGFG1	ArfGAP with FG repeats 1	-1.550691502	1.550691502	down	0.040632007	0.623259064
ANKRD10	ankyrin repeat domain 10	-1.551056997	1.551056997	down	0.041480481	0.623333169
RAE1	ribonucleic acid export 1	-1.551200352	1.551200352	down	0.002464556	0.306048075
RTN4	reticulon 4	-1.551243361	1.551243361	down	0.003668981	0.349787905
TPD52	tumor protein D52	-1.551275618	1.551275618	down	0.026414913	0.568317266
GBP3	guanylate binding protein 3	-1.551401071	1.551401071	down	0.037400904	0.608981156
SLC25A3	solute carrier family 25 (mitochondrial carrier; phosphate carrier), nuclear 3	-1.551533703	1.551533703	down	0.038757189	0.613615561
IPO5	importin 5	-1.551555212	1.551555212	down	0.045334904	0.624555255
FAM168B	family with sequence similarity 168 member B	-1.551573136	1.551573136	down	0.010332816	0.485753032
MCFD2	multiple coagulation factor deficiency 2	-1.551576721	1.551576721	down	0.044572411	0.623333169
UBAC2	UBA domain containing 2	-1.551684272	1.551684272	down	0.045395072	0.624598741
TERF2IP	telomeric repeat binding factor 2, interacting protein	-1.55173088	1.55173088	down	0.044541875	0.623333169
FNDC3A	fibronectin type III domain containing 3A	-1.551824099	1.551824099	down	0.049694274	0.630325871
ABI1	abl-interactor 1	-1.551877882	1.551877882	down	0.023209738	0.55642591
RAF1	Raf-1 proto-oncogene, serine/threonine kinase	-1.552039242	1.552039242	down	0.018457698	0.537128348
PPIB	peptidylprolyl isomerase B (cyclophilin B)	-1.552078689	1.552078689	down	0.004123008	0.358673662
NMU	neuromedin U	-1.552118136	1.552118136	down	0.015773252	0.522063677
TXNDC9	thioredoxin domain containing 9	-1.552153998	1.552153998	down	0.045622547	0.625770788
APLP2	amyloid beta (A4) precursor-like protein 2	-1.552440923	1.552440923	down	0.001976686	0.276804943
SLU7	SLU7 homolog, splicing factor	-1.552548534	1.552548534	down	0.020672035	0.549146
WHAMM	WAS protein homolog associated with actin, golgi membranes and microtubules	-1.552577232	1.552577232	down	0.038080463	0.612253826
CTDNEP1	CTD nuclear envelope phosphatase 1	-1.552853472	1.552853472	down	0.030244257	0.579778515
GRPEL2	GrpE-like 2, mitochondrial (E. coli)	-1.552878587	1.552878587	down	0.018131428	0.536306821
METTL17	methyltransferase like 17	-1.55304364	1.55304364	down	0.032817198	0.590424587
PPIL2	peptidylprolyl isomerase like 2	-1.553241008	1.553241008	down	0.048936954	0.62943979
LGALS8	lectin, galactoside-binding, soluble, 8	-1.553248186	1.553248186	down	0.020113985	0.549146
MYO5B	myosin VB	-1.553273307	1.553273307	down	0.031942407	0.589351082
KPNB1	karyopherin (importin) beta 1	-1.553305607	1.553305607	down	0.047263456	0.627322764
YTHDF2	YTH N(6)-methyladenosine RNA binding protein 2	-1.553413278	1.553413278	down	0.03915237	0.614281799
CCDC86	coiled-coil domain containing 86	-1.553420456	1.553420456	down	0.032565144	0.590424587
POMP	proteasome maturation protein	-1.553581977	1.553581977	down	0.049711664	0.630325871
SAC3D1	SAC3 domain containing 1	-1.553761464	1.553761464	down	0.025405347	0.565656951
ITGA3	integrin alpha 3	-1.553829674	1.553829674	down	0.043415621	0.623333169
REPS1	RALBP1 associated Eps domain containing 1	-1.553991238	1.553991238	down	0.033691167	0.593014207
HIST2H4A	histone cluster 2, H4a	-1.554016371	1.554016371	down	0.013302529	0.509292857
HIST2H4B	histone cluster 2, H4b	-1.554016371	1.554016371	down	0.013302529	0.509292857
LOC102724364	vesicle-trafficking protein SEC22b-like	-1.55416	1.55416	down	0.025206313	0.565656951
SEC22B	SEC22 homolog B, vesicle trafficking protein (gene/pseudogene)	-1.55416	1.55416	down	0.025206313	0.565656951
LOC100996716	vesicle-trafficking protein SEC22b-like	-1.55416	1.55416	down	0.025206313	0.565656951
LOC100996517	vesicle-trafficking protein SEC22b-like	-1.55416	1.55416	down	0.025206313	0.565656951
PRPF38A	pre-mRNA processing factor 38A	-1.554174363	1.554174363	down	0.017412392	0.531030242

ZFAND2A	zinc finger, AN1-type domain 2A	-1.554217455	1.554217455	down	0.00930489	0.470801192
SRSF10	serine/arginine-rich splicing factor 10	-1.554274912	1.554274912	down	0.022802691	0.551784312
BAD	BCL2 associated agonist of cell death	-1.554274912	1.554274912	down	0.036332356	0.603215176
ARGLU1	arginine and glutamate rich 1	-1.554386241	1.554386241	down	0.008934836	0.466623412
DLGAP4	discs, large (Drosophila) homolog-associated protein 4	-1.554458071	1.554458071	down	0.029989635	0.579152964
KPNA4	karyopherin alpha 4 (importin alpha 3)	-1.554594556	1.554594556	down	0.005654093	0.402842701
GRWD1	glutamate-rich WD repeat containing 1	-1.554655619	1.554655619	down	0.048498594	0.62898126
MAGOH	mago homolog, exon junction complex core component	-1.554731053	1.554731053	down	0.016253992	0.524267534
ADI1	acireductone dioxxygenase 1	-1.554738238	1.554738238	down	0.012382156	0.503186668
EDEM1	ER degradation enhancer, mannosidase alpha-like 1	-1.554810083	1.554810083	down	0.02652483	0.568317266
CHPF2	chondroitin polymerizing factor 2	-1.555086721	1.555086721	down	0.029788161	0.578781315
TFDP2	transcription factor Dp-2 (E2F dimerization partner 2)	-1.555119058	1.555119058	down	0.032200194	0.589852866
NOC2L	NOC2-like nucleolar associated transcriptional repressor	-1.555216075	1.555216075	down	0.026587185	0.568317266
ZC3HAV1	zinc finger CCCH-type, antiviral 1	-1.555248415	1.555248415	down	0.030524567	0.581882081
LRRFIP2	leucine rich repeat (in FLII) interacting protein 2	-1.555259195	1.555259195	down	0.03677209	0.605213936
KRIT1	KRIT1, ankyrin repeat containing	-1.555313097	1.555313097	down	0.035757588	0.60230957
TSC22D2	TSC22 domain family member 2	-1.555467627	1.555467627	down	0.030521918	0.581882081
TLDC1	TBC/LysM-associated domain containing 1	-1.555888169	1.555888169	down	0.031317494	0.586144908
RBMX	RNA binding motif protein, X-linked	-1.555909739	1.555909739	down	0.016190411	0.524267534
RBMXL1	RNA binding motif protein, X-linked-like 1	-1.555909739	1.555909739	down	0.016190411	0.524267534
SNW1	SNW domain containing 1	-1.556129044	1.556129044	down	0.042014441	0.623333169
EDF1	endothelial differentiation-related factor 1	-1.556251293	1.556251293	down	0.004670706	0.377936677
KIFC1	kinesin family member C1	-1.55626208	1.55626208	down	0.041725148	0.623333169
PKMYT1	protein kinase, membrane associated tyrosine/threonine 1	-1.5563304	1.5563304	down	0.030539016	0.581882081
RAD23A	RAD23 homolog A, nucleotide excision repair protein	-1.556351976	1.556351976	down	0.03178915	0.589351082
ING1	inhibitor of growth family member 1	-1.556481435	1.556481435	down	0.040863449	0.623333169
TIMM9	translocase of inner mitochondrial membrane 9 homolog (yeast)	-1.556485031	1.556485031	down	0.01864298	0.539455255
SDF2L1	stromal cell-derived factor 2-like 1	-1.556520994	1.556520994	down	0.001208005	0.23896047
CDK8	cyclin-dependent kinase 8	-1.556837503	1.556837503	down	0.034800451	0.598019712
CENPN	centromere protein N	-1.556909446	1.556909446	down	0.01145638	0.494496053
FOXRED1	FAD-dependent oxidoreductase domain containing 1	-1.556941821	1.556941821	down	0.044305387	0.623333169
ZNF410	zinc finger protein 410	-1.557013769	1.557013769	down	0.031851545	0.589351082
LIN52	lin-52 DREAM MuvB core complex component	-1.557348369	1.557348369	down	0.048313034	0.627892392
IER5	immediate early response 5	-1.557445525	1.557445525	down	0.021350373	0.549146
UBL7	ubiquitin like 7	-1.557783817	1.557783817	down	0.018415766	0.537128348
LDHB	lactate dehydrogenase B	-1.558089783	1.558089783	down	0.018207689	0.536306821
YIPF1	Yip1 domain family member 1	-1.558111383	1.558111383	down	0.017526416	0.531030242
FPGS	folypolyglutamate synthase	-1.558251789	1.558251789	down	0.013294343	0.509292857
HNRNPA1	heterogeneous nuclear ribonucleoprotein A1	-1.558251789	1.558251789	down	0.029379401	0.576629742
POLR1D	polymerase (RNA) I polypeptide D	-1.558388607	1.558388607	down	0.038576325	0.61336314
PI3	peptidase inhibitor 3, skin-derived	-1.558442618	1.558442618	down	0.008754604	0.466623412
GOLM1	golgi membrane protein 1	-1.558583054	1.558583054	down	0.015293722	0.51989411
RALY	RALY heterogeneous nuclear ribonucleoprotein	-1.558687489	1.558687489	down	0.048002594	0.627854743
S100A13	S100 calcium binding protein A13	-1.558701895	1.558701895	down	0.001815339	0.265169566
RBBP6	retinoblastoma binding protein 6	-1.559000837	1.559000837	down	0.020518109	0.549146
RPL22L1	ribosomal protein L22-like 1	-1.559087289	1.559087289	down	0.013368517	0.509292857
PARP2	poly(ADP-ribose) polymerase 2	-1.559249399	1.559249399	down	0.045654024	0.625770788
THEM6	thioesterase superfamily member 6	-1.55934307	1.55934307	down	0.031937068	0.589351082
SREBF1	sterol regulatory element binding transcription factor 1	-1.559397113	1.559397113	down	0.038597165	0.61339418
ARID3B	AT-rich interaction domain 3B	-1.559436747	1.559436747	down	0.043915285	0.623333169
DESI1	desumoylating isopeptidase 1	-1.559454762	1.559454762	down	0.025040801	0.565551322
TSPAN1	tetraspanin 1	-1.559620514	1.559620514	down	0.011824442	0.495320532
DDX24	DEAD (Asp-Glu-Ala-Asp) box helicase 24	-1.559688982	1.559688982	down	0.013966397	0.511949108
MFSD11	major facilitator superfamily domain containing 11	-1.559753848	1.559753848	down	0.047589252	0.62776393

R3HCC1L	R3H domain and coiled-coil containing 1 like	-1.559890799	1.559890799	down	0.045795757	0.626389846
ADK	adenosine kinase	-1.560081828	1.560081828	down	0.005013366	0.38925276
TSPO	translocator protein	-1.560626211	1.560626211	down	0.015709171	0.522063677
KCNK1	potassium channel, two pore domain subfamily K, member 1	-1.560723571	1.560723571	down	0.03753814	0.609356245
NAA15	N(alpha)-acetyltransferase 15, NatA auxiliary subunit	-1.560774056	1.560774056	down	0.0137811	0.511408446
OSMR	oncostatin M receptor	-1.560795694	1.560795694	down	0.048709833	0.62943979
MRPS7	mitochondrial ribosomal protein S7	-1.561004867	1.561004867	down	0.003376807	0.338252205
ICT1	immature colon carcinoma transcript 1	-1.561015687	1.561015687	down	0.035437429	0.600698736
TRIM13	tripartite motif containing 13	-1.561174391	1.561174391	down	0.022965071	0.554273475
TIAL1	TIA1 cytotoxic granule-associated RNA binding protein-like 1	-1.561185212	1.561185212	down	0.047336662	0.627322764
TBL3	transducin (beta)-like 3	-1.561188819	1.561188819	down	0.018664754	0.539455255
EIF3A	eukaryotic translation initiation factor 3 subunit A	-1.561192426	1.561192426	down	0.013638655	0.510833181
MRFAP1L1	Morf4 family associated protein 1-like 1	-1.56123932	1.56123932	down	0.049619859	0.630325871
NCK1	NCK adaptor protein 1	-1.56134754	1.56134754	down	0.036221191	0.603150244
SYAP1	synapse associated protein 1	-1.56134754	1.56134754	down	0.022198484	0.550353494
INF2	inverted formin, FH2 and WH2 domain containing	-1.5613764	1.5613764	down	0.034740388	0.598002352
MXRA8	matrix-remodelling associated 8	-1.56155318	1.56155318	down	0.031002528	0.584489712
MT2A	metallothionein 2A	-1.561654206	1.561654206	down	0.000664267	0.18477288
MB21D2	Mab-21 domain containing 2	-1.561766064	1.561766064	down	0.011888545	0.495320532
MIDN	midnolin	-1.56200063	1.56200063	down	0.029108803	0.57512885
LDLR	low density lipoprotein receptor	-1.562130559	1.562130559	down	0.026584573	0.568317266
NPEPPS	aminopeptidase puromycin sensitive	-1.562148606	1.562148606	down	0.003215685	0.333998479
CNBP	CCHC-type zinc finger, nucleic acid binding protein	-1.562173871	1.562173871	down	0.043778577	0.623333169
MEPCE	methylphosphate capping enzyme	-1.562220794	1.562220794	down	0.026004608	0.567499406
IQCB1	IQ motif containing B1	-1.562422939	1.562422939	down	0.03819638	0.612253826
NOP16	NOP16 nucleolar protein	-1.562722595	1.562722595	down	0.026073871	0.567622316
C15orf52	chromosome 15 open reading frame 52	-1.562964527	1.562964527	down	0.018880556	0.539906054
LIN37	lin-37 DREAM MuvB core complex component	-1.563015085	1.563015085	down	0.035161159	0.600433528
TWF1	twinfilin actin binding protein 1	-1.563213721	1.563213721	down	0.032844372	0.590643545
UBE2J1	ubiquitin conjugating enzyme E2, J1	-1.563246228	1.563246228	down	0.005340204	0.399652337
PSMD1	proteasome 26S subunit, non-ATPase 1	-1.563643583	1.563643583	down	0.006046041	0.414619018
FZD2	frizzled class receptor 2	-1.563658035	1.563658035	down	0.012633598	0.5051069
MGAT1	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	-1.563712228	1.563712228	down	0.028421524	0.57421459
PIP5K1C	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	-1.563748358	1.563748358	down	0.039087848	0.613747319
HIST1H2BD	histone cluster 1, H2bd	-1.563979608	1.563979608	down	0.013362165	0.509292857
GTF3C5	general transcription factor IIIC subunit 5	-1.563983222	1.563983222	down	0.007168614	0.434730278
BTG1	B-cell translocation gene 1, anti-proliferative	-1.564095247	1.564095247	down	0.011309372	0.491885982
PWWP2B	PWWP domain containing 2B	-1.564138613	1.564138613	down	0.033152383	0.59236436
HNRNPF	heterogeneous nuclear ribonucleoprotein F	-1.564171139	1.564171139	down	0.027255126	0.568317266
ABCE1	ATP binding cassette subfamily E member 1	-1.564192823	1.564192823	down	0.040110784	0.621238987
VPS33B	vacuolar protein sorting 33 homolog B (yeast)	-1.56431932	1.56431932	down	0.035044166	0.600153938
DCPS	decapping enzyme, scavenger	-1.564359078	1.564359078	down	0.041088444	0.623333169
LMF2	lipase maturation factor 2	-1.564387994	1.564387994	down	0.027672893	0.570815756
HRAS	Harvey rat sarcoma viral oncogene homolog	-1.564644645	1.564644645	down	0.04073908	0.623259064
CKB	creatine kinase, brain	-1.564854334	1.564854334	down	0.02154905	0.550085548
KIAA0368	KIAA0368	-1.565147224	1.565147224	down	0.01912323	0.541887884
CASC4	cancer susceptibility candidate 4	-1.565183387	1.565183387	down	0.04649862	0.627185789
ABHD17C	abhydrolase domain containing 17C	-1.565215934	1.565215934	down	0.013590592	0.5101407
SLC31A2	solute carrier family 31 (copper transporter), member 2	-1.565306347	1.565306347	down	0.040780595	0.623333169
GBE1	glucan (1,4-alpha-), branching enzyme 1	-1.565364214	1.565364214	down	0.033104404	0.592343125
HSPA4	heat shock protein family A (Hsp70) member 4	-1.565411233	1.565411233	down	0.044379561	0.623333169
AK4	adenylate kinase 4	-1.565483572	1.565483572	down	0.01844175	0.537128348
AK4P1	adenylate kinase 4 pseudogene 1	-1.565483572	1.565483572	down	0.01844175	0.537128348
ANXA2P2	annexin A2 pseudogene 2	-1.565602939	1.565602939	down	0.002551406	0.309987919

STK17A	serine/threonine kinase 17a	-1.565751256	1.565751256	down	0.037041019	0.606538982
CAPN2	calpain 2, (mII) large subunit	-1.565765726	1.565765726	down	0.03778385	0.610825976
LOC105369243	sulfotransferase 1A3-like	-1.565939385	1.565939385	down	0.003906238	0.353492125
SLX1A- CTTTTAA2	SLX1A-SULT1A3 readthrough (NMD candidate)	-1.565939385	1.565939385	down	0.003906238	0.353492125
SULT1A4	sulfotransferase family 1A member 4	-1.565939385	1.565939385	down	0.003906238	0.353492125
SLX1B- CTTTTAA4	SLX1B-SULT1A4 readthrough (NMD candidate)	-1.565939385	1.565939385	down	0.003906238	0.353492125
SULT1A3	sulfotransferase family 1A member 3	-1.565939385	1.565939385	down	0.003906238	0.353492125
REEP5	receptor accessory protein 5	-1.566113063	1.566113063	down	0.030915273	0.583508935
PFDN5	prefoldin subunit 5	-1.566138392	1.566138392	down	0.01063506	0.486801343
TMEM14B	transmembrane protein 14B	-1.566322949	1.566322949	down	0.014207488	0.514636149
EXOC4	exocyst complex component 4	-1.566460476	1.566460476	down	0.047354598	0.627322764
PDCD5	programmed cell death 5	-1.566648691	1.566648691	down	0.02424889	0.563333857
WDR90	WD repeat domain 90	-1.566724707	1.566724707	down	0.020144543	0.549146
NDUFA10	NADH:ubiquinone oxidoreductase subunit A10	-1.566757286	1.566757286	down	0.00295977	0.326391956
PRMT5	protein arginine methyltransferase 5	-1.56686951	1.56686951	down	0.00294268	0.326391956
EXOSC4	exosome component 4	-1.567003464	1.567003464	down	0.018478347	0.537153195
NPLOC4	NPL4 homolog, ubiquitin recognition factor	-1.567068635	1.567068635	down	0.022554478	0.551250506
DROSHA	drosha, ribonuclease type III	-1.567072256	1.567072256	down	0.016830363	0.530351036
RMND5A	required for meiotic nuclear division 5 homolog A	-1.567075877	1.567075877	down	0.028348456	0.57421459
CHD4	chromodomain helicase DNA binding protein 4	-1.567086739	1.567086739	down	0.016331035	0.524267534
FOXO3B	forkhead box O3B pseudogene	-1.567112084	1.567112084	down	0.034533034	0.596676967
FOXO3	forkhead box O3	-1.567112084	1.567112084	down	0.034533034	0.596676967
PTPN12	protein tyrosine phosphatase, non-receptor type 12	-1.567314862	1.567314862	down	0.045321613	0.624555255
SMARCE1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1	-1.567322105	1.567322105	down	0.037894032	0.611672854
PKP4	plakophilin 4	-1.567488692	1.567488692	down	0.03028691	0.579885323
ERCC6-PGBD3	ERCC6-PGBD3 readthrough	-1.567528531	1.567528531	down	0.028271011	0.57421459
PGBD3	piggyBac transposable element derived 3	-1.567528531	1.567528531	down	0.028271011	0.57421459
MAX	MYC associated factor X	-1.567597346	1.567597346	down	0.04747861	0.627322764
DDX39A	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A	-1.567615456	1.567615456	down	0.014288404	0.514676952
TAF5	TATA-box binding protein associated factor 5	-1.567745852	1.567745852	down	0.03697754	0.606003692
PRCC	papillary renal cell carcinoma (translocation-associated)	-1.567977694	1.567977694	down	0.00927258	0.470380292
MED6	mediator complex subunit 6	-1.568129859	1.568129859	down	0.034809285	0.598019712
EDEM3	ER degradation enhancer, mannosidase alpha-like 3	-1.568234934	1.568234934	down	0.021469135	0.549146
MAP7D1	MAP7 domain containing 1	-1.568343639	1.568343639	down	0.022248299	0.550353494
ARHGAP10	Rho GTPase activating protein 10	-1.5683835	1.5683835	down	0.02434138	0.563613185
FRMD6	FERM domain containing 6	-1.568702421	1.568702421	down	0.01469383	0.515525808
IER5L	immediate early response 5-like	-1.568706045	1.568706045	down	0.039070519	0.613731439
FAM73B	family with sequence similarity 73 member B	-1.56888003	1.56888003	down	0.016367961	0.524267534
ATP6V1G1	ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G1	-1.568956154	1.568956154	down	0.00336853	0.338252205
TRIM27	tripartite motif containing 27	-1.569006906	1.569006906	down	0.013660216	0.511154388
FOXC1	forkhead box C1	-1.569133792	1.569133792	down	0.004001132	0.357261063
ACOX1	acyl-CoA oxidase 1, palmitoyl	-1.569463745	1.569463745	down	0.032648253	0.590424587
CHMP2B	charged multivesicular body protein 2B	-1.56950726	1.56950726	down	0.027269255	0.568317266
FKBPL	FK506 binding protein like	-1.569819156	1.569819156	down	0.043364144	0.623333169
KLF5	Kruppel-like factor 5 (intestinal)	-1.570200042	1.570200042	down	0.025767598	0.566329497
DSE	dermatan sulfate epimerase	-1.57023995	1.57023995	down	0.010108794	0.480015301
ENDOG	endonuclease G	-1.570276231	1.570276231	down	0.030750786	0.582533534
UMPS	uridine monophosphate synthetase	-1.570312512	1.570312512	down	0.019181554	0.542443884
C15orf48	chromosome 15 open reading frame 48	-1.570479418	1.570479418	down	0.047840769	0.627854743
HMGAI	high mobility group AT-hook 1	-1.57089676	1.57089676	down	0.041699445	0.623333169
DHX29	DEAH (Asp-Glu-Ala-His) box polypeptide 29	-1.571143588	1.571143588	down	0.019257457	0.543126657
PALM2-AKAP2	PALM2-AKAP2 readthrough	-1.57118715	1.57118715	down	0.002548268	0.309987919
AKAP2	A-kinase anchoring protein 2	-1.57118715	1.57118715	down	0.002548268	0.309987919
APEX2	APEX nuclease (apurinic/apyrimidinic endonuclease) 2	-1.571227083	1.571227083	down	0.010477945	0.486801343

IGFBP3	insulin like growth factor binding protein 3	-1.571372302	1.571372302	down	0.040374262	0.622535379
GXYLT1	glucoside xylosyltransferase 1	-1.571510272	1.571510272	down	0.039246894	0.614613629
SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1	-1.571572	1.571572	down	0.020931423	0.549146
CHEK1	checkpoint kinase 1	-1.571579262	1.571579262	down	0.011741392	0.495320532
PIBF1	progesterone immunomodulatory binding factor 1	-1.571822566	1.571822566	down	0.049317128	0.630325871
RPL7	ribosomal protein L7	-1.571887937	1.571887937	down	0.047204116	0.627322764
MBNL2	muscleblind-like splicing regulator 2	-1.571971472	1.571971472	down	0.020117336	0.549146
TMEM208	transmembrane protein 208	-1.572076804	1.572076804	down	0.006125123	0.414771056
TPM2	tropomyosin 2 (beta)	-1.572105863	1.572105863	down	0.003631327	0.349504153
GATC	glutamyl-tRNA(Gln) amidotransferase, subunit C	-1.572113127	1.572113127	down	0.036790981	0.605213936
ERCC3	excision repair cross-complementation group 3	-1.572200306	1.572200306	down	0.037390971	0.608981156
RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	-1.572211204	1.572211204	down	0.015186465	0.518081034
TM9SF1	transmembrane 9 superfamily member 1	-1.572229367	1.572229367	down	0.036473771	0.603912936
RAPGEF2	Rap guanine nucleotide exchange factor 2	-1.572392843	1.572392843	down	0.014600257	0.515525808
DCP2	decapping mRNA 2	-1.572425541	1.572425541	down	0.043621386	0.62333169
HSPA1B	heat shock protein family A (Hsp70) member 1B	-1.572668975	1.572668975	down	0.045373571	0.624555255
HSPA1A	heat shock protein family A (Hsp70) member 1A	-1.572668975	1.572668975	down	0.045373571	0.624555255
EDARADD	EDAR-associated death domain	-1.572734382	1.572734382	down	0.000956465	0.216386548
ENO1	enolase 1, (alpha)	-1.572734382	1.572734382	down	0.000956465	0.216386548
STAG3L1	stromal antigen 3-like 1 (pseudogene)	-1.572937888	1.572937888	down	0.016503043	0.52581211
STAG3L3	stromal antigen 3-like 3 (pseudogene)	-1.572937888	1.572937888	down	0.016503043	0.52581211
TUBGCP3	tubulin, gamma complex associated protein 3	-1.573145054	1.573145054	down	0.026585714	0.568317266
FDPS	farnesyl diphosphate synthase	-1.573279545	1.573279545	down	0.004552318	0.373337469
ZNF652	zinc finger protein 652	-1.573326801	1.573326801	down	0.01762968	0.53179491
LSM14A	LSM14A mRNA processing body assembly factor	-1.573526748	1.573526748	down	0.020206261	0.549146
STT3A	STT3A, subunit of the oligosaccharyltransferase complex (catalytic)	-1.57379217	1.57379217	down	0.006062361	0.414619018
MAP4K3	mitogen-activated protein kinase kinase kinase kinase 3	-1.573973992	1.573973992	down	0.025397982	0.565656951
TSPAN10	tetraspanin 10	-1.574264951	1.574264951	down	0.025919174	0.566523191
HN1	hematological and neurological expressed 1	-1.574315875	1.574315875	down	0.008988258	0.466623412
RTCA	RNA 3'-terminal phosphate cyclase	-1.574566878	1.574566878	down	0.014813675	0.515597089
CLDN7	claudin 7	-1.574938	1.574938	down	0.003375091	0.338252205
PSMC4	proteasome 26S subunit, ATPase 4	-1.574945278	1.574945278	down	0.005657002	0.402842701
NR2C2AP	nuclear receptor 2C2-associated protein	-1.574967111	1.574967111	down	0.048182811	0.627892392
ABCF2	ATP binding cassette subfamily F member 2	-1.57509448	1.57509448	down	0.01415013	0.514636149
HAGH	hydroxyacylglutathione hydrolase	-1.575192742	1.575192742	down	0.031876787	0.589351082
NDFIP2	Nedd4 family interacting protein 2	-1.575367446	1.575367446	down	0.048262931	0.627892392
SNX19	sorting nexin 19	-1.575418405	1.575418405	down	0.020595019	0.549146
POLE3	polymerase (DNA directed), epsilon 3, accessory subunit	-1.575440246	1.575440246	down	0.008379986	0.4606964
MAP2K7	mitogen-activated protein kinase kinase 7	-1.575607696	1.575607696	down	0.022349142	0.551238726
MRPS27	mitochondrial ribosomal protein S27	-1.575847983	1.575847983	down	0.038540198	0.61336314
ITGA6	integrin alpha 6	-1.576135647	1.576135647	down	0.016416418	0.524965293
GLA	galactosidase alpha	-1.576288603	1.576288603	down	0.00898151	0.466623412
SFPQ	splicing factor proline/glutamine-rich	-1.576430648	1.576430648	down	0.012809863	0.5057776
SFPQ	splicing factor proline/glutamine-rich	-1.576430648	1.576430648	down	0.012809863	0.5057776
METTL21A	methyltransferase like 21A	-1.576663774	1.576663774	down	0.027170656	0.568317266
SPTBN1	spectrin, beta, non-erythrocytic 1	-1.57669656	1.57669656	down	0.02386554	0.561713077
IGFBP4	insulin like growth factor binding protein 4	-1.576707489	1.576707489	down	0.011049034	0.489992559
BRCC3	BRCA1/BRCA2-containing complex subunit 3	-1.576834998	1.576834998	down	0.017865682	0.534409263
LIMA1	LIM domain and actin binding 1	-1.57713013	1.57713013	down	0.047667585	0.627854743
RSL1D1	ribosomal L1 domain containing 1	-1.57714835	1.57714835	down	0.002586827	0.311888575
SLCO2A1	solute carrier organic anion transporter family member 2A1	-1.577224875	1.577224875	down	0.0483436	0.627892392
ZNF267	zinc finger protein 267	-1.577862733	1.577862733	down	0.028153785	0.57421459
LDLRAD3	low density lipoprotein receptor class A domain containing 3	-1.577891898	1.577891898	down	0.03124192	0.585954505
WDR13	WD repeat domain 13	-1.57795023	1.57795023	down	0.03016153	0.57950115

GEMIN6	gem nuclear organelle associated protein 6	-1.57812524	1.57812524	down	0.006348739	0.417034806
ECM1	extracellular matrix protein 1	-1.578158057	1.578158057	down	0.032152242	0.58979223
HNRNP1	heterogeneous nuclear ribonucleoprotein H1 (H)	-1.578234631	1.578234631	down	0.01709982	0.530571823
CASP8	caspase 8, apoptosis-related cysteine peptidase	-1.578478966	1.578478966	down	0.035887494	0.603048422
HSPD1P5	heat shock protein family D (Hsp60) member 1 pseudogene 5	-1.578581087	1.578581087	down	0.011915878	0.495320532
HSPD1	heat shock protein family D (Hsp60) member 1	-1.578581087	1.578581087	down	0.011915878	0.495320532
OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	-1.578584734	1.578584734	down	0.038740354	0.613615561
SLC25A44	solute carrier family 25, member 44	-1.5790699	1.5790699	down	0.028777041	0.574350948
SLC35E1	solute carrier family 35 member E1	-1.579277874	1.579277874	down	0.028761825	0.574350948
PIF1	PIF1 5'-to-3' DNA helicase	-1.579431136	1.579431136	down	0.044191699	0.623333169
HGS	hepatocyte growth factor-regulated tyrosine kinase substrate	-1.579540617	1.579540617	down	0.047438148	0.627322764
FAM136A	family with sequence similarity 136 member A	-1.579544267	1.579544267	down	0.008860946	0.466623412
MOB3B	MOB kinase activator 3B	-1.579573463	1.579573463	down	0.027336155	0.56844604
LTBR	lymphotoxin beta receptor	-1.579796104	1.579796104	down	0.018410934	0.537128348
CUL1	cullin 1	-1.579865457	1.579865457	down	0.015617525	0.522063677
FRG1CP	FSHD region gene 1 family member C, pseudogene	-1.579942115	1.579942115	down	0.045930024	0.627149649
LOC102723780	protein FRG1-like	-1.579942115	1.579942115	down	0.045930024	0.627149649
FRG1EP	FSHD region gene 1 family member E, pseudogene	-1.579942115	1.579942115	down	0.045930024	0.627149649
LOC102724813	protein FRG1B	-1.579942115	1.579942115	down	0.045930024	0.627149649
FRG1BP	FSHD region gene 1 family member B, pseudogene	-1.579942115	1.579942115	down	0.045930024	0.627149649
FRG1DP	FSHD region gene 1 family member D, pseudogene	-1.579942115	1.579942115	down	0.045930024	0.627149649
FRG1	FSHD region gene 1	-1.579942115	1.579942115	down	0.045930024	0.627149649
LOC101930531	uncharacterized LOC101930531	-1.579942115	1.579942115	down	0.045930024	0.627149649
MB21D1	Mab-21 domain containing 1	-1.579945765	1.579945765	down	0.034964185	0.599462172
SCO2	SCO2 cytochrome c oxidase assembly protein	-1.580058933	1.580058933	down	0.025594652	0.566329497
PITRM1	pitrilysin metallopeptidase 1	-1.580789244	1.580789244	down	0.008886322	0.466623412
KANSL1	KAT8 regulatory NSL complex subunit 1	-1.580800201	1.580800201	down	0.020640956	0.549146
TRA2B	transformer 2 beta homolog (Drosophila)	-1.580840378	1.580840378	down	0.01084449	0.488995826
HARS	histidyl-tRNA synthetase	-1.580946305	1.580946305	down	0.00772503	0.44458454
EGFR	epidermal growth factor receptor	-1.581315277	1.581315277	down	0.006876782	0.430926948
CD55	CD55 molecule, decay accelerating factor for complement (Cromer blood group)	-1.581366428	1.581366428	down	0.018544168	0.537153195
PM20D2	peptidase M20 domain containing 2	-1.581636828	1.581636828	down	0.045935179	0.627149649
SRSF9	serine/arginine-rich splicing factor 9	-1.581841485	1.581841485	down	0.002180552	0.288675084
PIK3R3	phosphoinositide-3-kinase regulatory subunit 3	-1.582440991	1.582440991	down	0.027014144	0.568317266
ASF1A	anti-silencing function 1A histone chaperone	-1.582495835	1.582495835	down	0.037699631	0.610579997
WBP5	WW domain binding protein 5	-1.582678662	1.582678662	down	0.005123252	0.392367316
CTH	cystathionine gamma-lyase	-1.582733515	1.582733515	down	0.012399988	0.503222212
MPHOSPH8	M-phase phosphoprotein 8	-1.582821283	1.582821283	down	0.021017403	0.549146
KPNA6	karyopherin alpha 6 (importin alpha 7)	-1.582909055	1.582909055	down	0.0061654	0.414771056
SMURF2	SMAD specific E3 ubiquitin protein ligase 2	-1.582930999	1.582930999	down	0.002679133	0.315760691
SCRIB	scribbled planar cell polarity protein	-1.583026093	1.583026093	down	0.04986095	0.630405293
TOP3B	topoisomerase (DNA) III beta	-1.583088273	1.583088273	down	0.013822903	0.511408446
MUM1	melanoma associated antigen (mutated) 1	-1.583110219	1.583110219	down	0.025788318	0.566329497
RIOK2	RIO kinase 2	-1.583384575	1.583384575	down	0.017939498	0.535584855
TTC9C	tetratricopeptide repeat domain 9C	-1.58349799	1.58349799	down	0.036535729	0.604140802
PHLDB2	pleckstrin homology-like domain, family B, member 2	-1.583633366	1.583633366	down	0.000827797	0.199221133
BIRC3	baculoviral IAP repeat containing 3	-1.583644343	1.583644343	down	0.02090571	0.549146
HIST1H2AC	histone cluster 1, H2ac	-1.58378705	1.58378705	down	0.017000332	0.530571823
RASSF1	Ras association (RalGDS/AF-6) domain family member 1	-1.583830962	1.583830962	down	0.046766697	0.627185789
RAET1L	retinoic acid early transcript 1L	-1.584138384	1.584138384	down	0.013564851	0.5101407
RAET1G	retinoic acid early transcript 1G	-1.584138384	1.584138384	down	0.013564851	0.5101407
ULBP2	UL16 binding protein 2	-1.584138384	1.584138384	down	0.013564851	0.5101407
TCEB1P2	transcription elongation factor B (SIII), polypeptide 1 pseudogene 2	-1.584153025	1.584153025	down	0.009805586	0.477233577
PDE12	phosphodiesterase 12	-1.584299438	1.584299438	down	0.043938908	0.623333169

ZNF639	zinc finger protein 639	-1.584321402	1.584321402	down	0.044081905	0.623333169
MRPS5	mitochondrial ribosomal protein S5	-1.584423901	1.584423901	down	0.024973282	0.565551322
YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon	-1.584881566	1.584881566	down	0.001449106	0.250769966
SLC16A1	solute carrier family 16 (monocarboxylate transporter), member 1	-1.584940157	1.584940157	down	0.029442359	0.576629742
PHC1	polyhomeotic homolog 1 (Drosophila)	-1.585020723	1.585020723	down	0.036787737	0.605213936
FLII	flightless I actin binding protein	-1.585035372	1.585035372	down	0.000841338	0.19951366
PPP2R3A	protein phosphatase 2 regulatory subunit B", alpha	-1.585057345	1.585057345	down	0.017370157	0.531030242
TREX1	three prime repair exonuclease 1	-1.585178204	1.585178204	down	0.010394909	0.485980503
METTL3	methyltransferase like 3	-1.585200179	1.585200179	down	0.008789017	0.466623412
TRMT6	tRNA methyltransferase 6	-1.585233143	1.585233143	down	0.024702951	0.563837901
FAM63A	family with sequence similarity 63 member A	-1.585247794	1.585247794	down	0.03234803	0.590074234
MROH6	maestro heat-like repeat family member 6	-1.585841262	1.585841262	down	0.047802761	0.627854743
FERMT1	fermitin family member 1	-1.585855919	1.585855919	down	0.004723608	0.377936677
CFL2	cofilin 2 (muscle)	-1.586006154	1.586006154	down	0.001332013	0.241913463
FAM83A	family with sequence similarity 83 member A	-1.586097768	1.586097768	down	0.042029922	0.623333169
CENPL	centromere protein L	-1.586149074	1.586149074	down	0.049073609	0.62943979
EZR	ezrin	-1.586178393	1.586178393	down	0.023159465	0.55642591
ASPH	aspartate beta-hydroxylase	-1.586229701	1.586229701	down	0.024960156	0.565551322
CHST3	carbohydrate (chondroitin 6) sulfotransferase 3	-1.586431288	1.586431288	down	0.028596343	0.574350948
FLNC	filamin C, gamma	-1.586471608	1.586471608	down	0.001937707	0.274380687
BCAR3	breast cancer anti-estrogen resistance 3	-1.586775876	1.586775876	down	0.029474124	0.576629742
NUF2	NUF2, NDC80 kinetochore complex component	-1.586808872	1.586808872	down	0.034544057	0.596676967
FASTK	Fas-activated serine/threonine kinase	-1.586849202	1.586849202	down	0.022580262	0.551250506
LRRFIP1	leucine rich repeat (in FLII) interacting protein 1	-1.586999532	1.586999532	down	0.043021185	0.623333169
PGAM5	PGAM family member 5, serine/threonine protein phosphatase, mitochondrial	-1.587058201	1.587058201	down	0.02360836	0.558835288
KLF13	Kruppel-like factor 13	-1.587417596	1.587417596	down	0.030649264	0.582387558
ALKBH2	alkB homolog 2, alpha-ketoglutarate-dependent dioxygenase	-1.587490952	1.587490952	down	0.033382524	0.593014207
ARHGAP5	Rho GTPase activating protein 5	-1.58783577	1.58783577	down	0.026783873	0.568317266
MED16	mediator complex subunit 16	-1.587879795	1.587879795	down	0.019564379	0.546194159
ERCC5	excision repair cross-complementation group 5	-1.587982524	1.587982524	down	0.010548001	0.486801343
BIVM-ERCC5	BIVM-ERCC5 readthrough	-1.587982524	1.587982524	down	0.010548001	0.486801343
CWF19L1	CWF19-like 1, cell cycle control (S. pombe)	-1.588081591	1.588081591	down	0.023482301	0.557191546
IMMT	inner membrane protein, mitochondrial	-1.588151308	1.588151308	down	0.002960323	0.326391956
ENO2	enolase 2 (gamma, neuronal)	-1.588243046	1.588243046	down	0.028601399	0.574350948
PEA15	phosphoprotein enriched in astrocytes 15	-1.58850361	1.58850361	down	0.003792694	0.351292726
HSPA5	heat shock protein family A (Hsp70) member 5	-1.588621062	1.588621062	down	0.019577796	0.546194159
PFDN6	prefoldin subunit 6	-1.588764218	1.588764218	down	0.012890821	0.50592937
IMP3	IMP3, U3 small nucleolar ribonucleoprotein	-1.588889031	1.588889031	down	0.003459223	0.339991958
SHROOM3	shroom family member 3	-1.589138686	1.589138686	down	0.022397074	0.551250506
C8orf58	chromosome 8 open reading frame 58	-1.589142358	1.589142358	down	0.028868455	0.574350948
YLP1	YLP motif containing 1	-1.589274544	1.589274544	down	0.014860882	0.516115951
GOLGA8B	golgin A8 family member B	-1.589292904	1.589292904	down	0.029175524	0.575975177
GOLGA8A	golgin A8 family member A	-1.589292904	1.589292904	down	0.029175524	0.575975177
ARF6	ADP ribosylation factor 6	-1.589362675	1.589362675	down	0.004587045	0.374624543
AJUBA	ajuba LIM protein	-1.589425104	1.589425104	down	0.010937775	0.489869256
GOLPH3L	golgi phosphoprotein 3-like	-1.58974463	1.58974463	down	0.033654482	0.593014207
CORO6	coronin 6	-1.589770342	1.589770342	down	0.007928245	0.447128041
NLRP1	NLR family, pyrin domain containing 1	-1.589902581	1.589902581	down	0.027551046	0.569914309
AXL	AXL receptor tyrosine kinase	-1.590137699	1.590137699	down	0.000412546	0.144894892
C8orf33	chromosome 8 open reading frame 33	-1.590589665	1.590589665	down	0.006188018	0.414771056
EXOSC10	exosome component 10	-1.590725648	1.590725648	down	0.01283031	0.505878264
ZC3H3	zinc finger CCCH-type containing 3	-1.590740349	1.590740349	down	0.044658317	0.623333169
TRIM8	tripartite motif containing 8	-1.590751376	1.590751376	down	0.008773113	0.466623412
DNAJC6	DnaJ heat shock protein family (Hsp40) member C6	-1.590883696	1.590883696	down	0.048419617	0.628445433

SH2D3A	SH2 domain containing 3A	-1.591082197	1.591082197	down	0.009805503	0.477233577
RMI1	RecQ mediated genome instability 1	-1.591129988	1.591129988	down	0.020677965	0.549146
ZFP36L2	ZFP36 ring finger protein-like 2	-1.591196163	1.591196163	down	0.010543274	0.486801343
ENOSF1	enolase superfamily member 1	-1.591328521	1.591328521	down	0.043524583	0.623333169
TNFAIP3	TNF alpha induced protein 3	-1.591328521	1.591328521	down	0.027842173	0.572241118
TNPO2	transportin 2	-1.59147192	1.59147192	down	0.005072954	0.39233172
CREB1	cAMP responsive element binding protein 1	-1.591721981	1.591721981	down	0.031258846	0.585954505
RETSAT	retinol saturase (all-trans-retinol 13,14-reductase)	-1.591817603	1.591817603	down	0.017060092	0.530571823
RBM12	RNA binding motif protein 12	-1.592005186	1.592005186	down	0.017017554	0.530571823
RNF26	ring finger protein 26	-1.592266368	1.592266368	down	0.043101065	0.623333169
ZNF623	zinc finger protein 623	-1.592409852	1.592409852	down	0.031143632	0.58574728
DNTTIP2	deoxynucleotidyltransferase, terminal, interacting protein 2	-1.592637982	1.592637982	down	0.036114371	0.603150244
RBP7	retinol binding protein 7	-1.592645341	1.592645341	down	0.004748631	0.37840054
RPS19BP1	ribosomal protein S19 binding protein 1	-1.592711579	1.592711579	down	0.003458679	0.339991958
SPCS2P4	signal peptidase complex subunit 2 homolog (S. cerevisiae)	-1.593028086	1.593028086	down	0.017207788	0.530571823
SPCS2	signal peptidase complex subunit 2	-1.593028086	1.593028086	down	0.017207788	0.530571823
EMC1	ER membrane protein complex subunit 1	-1.593061212	1.593061212	down	0.015211594	0.518081034
SOAT1	sterol O-acyltransferase 1	-1.593079616	1.593079616	down	0.009591025	0.475470418
DNAJB6	DnaJ heat shock protein family (Hsp40) member B6	-1.593204768	1.593204768	down	0.023301883	0.556498532
CD59	CD59 molecule, complement regulatory protein	-1.593458783	1.593458783	down	0.01853346	0.537153195
DVL1	dishevelled segment polarity protein 1	-1.59383804	1.59383804	down	0.002086805	0.287025087
CDC16	cell division cycle 16	-1.594217388	1.594217388	down	0.001728592	0.25677745
CFB	complement factor B	-1.594504721	1.594504721	down	0.038306868	0.612498409
PAGR1	PAXIP1 associated glutamate-rich protein 1	-1.594817899	1.594817899	down	0.039987858	0.620933229
MRS2	MRS2, magnesium transporter	-1.594869487	1.594869487	down	0.012719852	0.50529726
TGFB1	transforming growth factor beta 1	-1.594902652	1.594902652	down	0.033539499	0.593014207
ELP6	elongator acetyltransferase complex subunit 6	-1.594917392	1.594917392	down	0.013303132	0.509292857
NARFL	nuclear prelamin A recognition factor-like	-1.595009521	1.595009521	down	0.029318808	0.576629742
SRPRA	SRP receptor alpha subunit	-1.595090599	1.595090599	down	0.00221756	0.290980894
NIN	ninein	-1.595101655	1.595101655	down	0.011856258	0.495320532
AMZ1	archaelysin family metallopeptidase 1	-1.595186423	1.595186423	down	0.037235878	0.607707429
MDFI	MyoD family inhibitor	-1.595363345	1.595363345	down	0.026844558	0.568317266
PPP1R12A	protein phosphatase 1 regulatory subunit 12A	-1.595695126	1.595695126	down	0.016157193	0.524267534
FEM1C	fem-1 homolog c (C. elegans)	-1.595934788	1.595934788	down	0.033475465	0.593014207
KLHL2	kelch like family member 2	-1.595982725	1.595982725	down	0.029563552	0.576757894
LOC100996724	phosphodiesterase 4D interacting protein-like	-1.596023288	1.596023288	down	0.002777928	0.315798154
PDE4DIP	phosphodiesterase 4D interacting protein	-1.596023288	1.596023288	down	0.002777928	0.315798154
NFX1	nuclear transcription factor, X-box binding 1	-1.59613392	1.59613392	down	0.010578736	0.486801343
DICER1	dicer 1, ribonuclease type III	-1.596167111	1.596167111	down	0.027829129	0.572241118
TTL12	tubulin tyrosine ligase like 12	-1.596576523	1.596576523	down	0.003748198	0.350843151
EAPP	E2F-associated phosphoprotein	-1.59687904	1.59687904	down	0.012651731	0.5051069
UAP1	UDP-N-acetylglucosamine pyrophosphorylase 1	-1.597454717	1.597454717	down	0.000547811	0.165072126
MICA	MHC class I polypeptide-related sequence A	-1.597499009	1.597499009	down	0.009030269	0.466623412
COX18	COX18 cytochrome c oxidase assembly factor	-1.597532228	1.597532228	down	0.036932789	0.606003692
INTS10	integrator complex subunit 10	-1.597532228	1.597532228	down	0.021794698	0.550085548
RHOF	ras homolog family member F (in filopodia)	-1.597831234	1.597831234	down	0.003017428	0.326391956
ZNF786	zinc finger protein 786	-1.597975219	1.597975219	down	0.031109117	0.585377824
ARSJ	arylsulfatase family member J	-1.598444186	1.598444186	down	0.041365622	0.623333169
CASP4	caspase 4	-1.598466345	1.598466345	down	0.010746785	0.488995826
KRT33A	keratin 33A, type I	-1.598503278	1.598503278	down	0.046800592	0.627274538
SNORA7B	small nucleolar RNA, H/ACA box 7B	-1.598547598	1.598547598	down	0.016413331	0.524965293
ZFC3H1	zinc finger, C3H1-type containing	-1.598547598	1.598547598	down	0.02747902	0.568723258
SNORA7A	small nucleolar RNA, H/ACA box 7A	-1.598547598	1.598547598	down	0.016413331	0.524965293
RPL32	ribosomal protein L32	-1.598547598	1.598547598	down	0.016413331	0.524965293

RPL32P3	ribosomal protein L32 pseudogene 3	-1.598547598	1.598547598	down	0.016413331	0.524965293
TSPAN5	tetraspanin 5	-1.598599307	1.598599307	down	0.040068831	0.621232589
TSPAN4	tetraspanin 4	-1.598832018	1.598832018	down	0.019679553	0.547868191
ZNF622	zinc finger protein 622	-1.599061067	1.599061067	down	0.001484298	0.250769966
RAPH1	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1	-1.599123877	1.599123877	down	0.018174816	0.536306821
CDC42	cell division cycle 42	-1.599345578	1.599345578	down	0.001412313	0.248565272
RPP14	ribonuclease P/MRP 14kDa subunit	-1.599497092	1.599497092	down	0.008103489	0.454407182
TIFA	TRAF-interacting protein with forkhead-associated domain	-1.600081107	1.600081107	down	0.009012218	0.466623412
DNLZ	DNL-type zinc finger	-1.600125471	1.600125471	down	0.00633871	0.417034806
BACE2	beta-site APP-cleaving enzyme 2	-1.600424962	1.600424962	down	0.046242256	0.627185789
SRSF11	serine/arginine-rich splicing factor 11	-1.600546993	1.600546993	down	0.031775322	0.589351082
WBP4	WW domain binding protein 4	-1.600561785	1.600561785	down	0.008790924	0.466623412
EIF4A2	eukaryotic translation initiation factor 4A2	-1.600587672	1.600587672	down	0.000460424	0.152307542
ATP5D	ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit	-1.600761494	1.600761494	down	0.002779658	0.315798154
INTS3	integrator complex subunit 3	-1.601101796	1.601101796	down	0.025570925	0.566329497
ERICH1	glutamate rich 1	-1.601449571	1.601449571	down	0.036606845	0.604560136
ARG2	arginase 2	-1.601678996	1.601678996	down	0.033725674	0.593014207
CCNC	cyclin C	-1.601845534	1.601845534	down	0.008096471	0.454407182
XRCC6	X-ray repair complementing defective repair in Chinese hamster cells 6	-1.602052807	1.602052807	down	0.007385446	0.437407205
RBM24	RNA binding motif protein 24	-1.602137944	1.602137944	down	0.049884732	0.630405293
C9orf85	chromosome 9 open reading frame 85	-1.602467431	1.602467431	down	0.034732184	0.598002352
PHLDA3	pleckstrin homology-like domain, family A, member 3	-1.602574807	1.602574807	down	0.005008718	0.38925276
NFYC	nuclear transcription factor Y subunit gamma	-1.602663675	1.602663675	down	0.013525865	0.5101407
SAT1	spermidine/spermine N1-acetyltransferase 1	-1.602830316	1.602830316	down	0.010290704	0.485753032
ZMAT5	zinc finger, matrin-type 5	-1.603156242	1.603156242	down	0.011182084	0.489992559
IDI1	isopentenyl-diphosphate delta isomerase 1	-1.603519282	1.603519282	down	0.014549875	0.515525808
B4GAT1	beta-1,4-glucuronyltransferase 1	-1.603782353	1.603782353	down	0.029528234	0.576757894
RAP1A	RAP1A, member of RAS oncogene family	-1.603841643	1.603841643	down	1.31714E-05	0.01517475
PIP5K1A	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	-1.604345692	1.604345692	down	0.028060923	0.573529712
CHKB	choline kinase beta	-1.604364226	1.604364226	down	0.033744489	0.593014207
CHKB-CPT1B	CHKB-CPT1B readthrough (NMD candidate)	-1.604364226	1.604364226	down	0.033744489	0.593014207
PELO	pelota homolog (Drosophila)	-1.604367933	1.604367933	down	0.007867356	0.446814625
HIST1H2BJ	histone cluster 1, H2bj	-1.604608898	1.604608898	down	0.019890038	0.549146
CHRA1	chromatin accessibility complex 1	-1.604894396	1.604894396	down	0.01122757	0.489992559
SNB2	syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2)	-1.605498929	1.605498929	down	0.046366568	0.627185789
PPP1R14C	protein phosphatase 1 regulatory inhibitor subunit 14C	-1.605506348	1.605506348	down	0.035697735	0.602074261
SERHL	serine hydrolase-like (pseudogene)	-1.605536024	1.605536024	down	0.044589854	0.623333169
SERHL2	serine hydrolase-like 2	-1.605536024	1.605536024	down	0.044589854	0.623333169
MICB	MHC class I polypeptide-related sequence B	-1.60558054	1.60558054	down	0.009967923	0.478633621
PIDD1	p53-induced death domain protein 1	-1.605643605	1.605643605	down	0.036080376	0.603150244
SYTL4	synaptotagmin like 4	-1.605817977	1.605817977	down	0.02212474	0.550353494
GLS	glutaminase	-1.60594784	1.60594784	down	0.016358181	0.524267534
TMOD3	tropomodulin 3	-1.606036895	1.606036895	down	0.012035606	0.497669765
TRIM25	tripartite motif containing 25	-1.606133377	1.606133377	down	0.00650104	0.423104193
PSMD3	proteasome 26S subunit, non-ATPase 3	-1.606274399	1.606274399	down	9.39444E-05	0.060624968
SNRNP35	small nuclear ribonucleoprotein, U11/U12 35kDa subunit	-1.606467398	1.606467398	down	0.006254961	0.416626954
BPNT1	3'(2'), 5'-bisphosphate nucleotidase 1	-1.606474821	1.606474821	down	0.006502681	0.423104193
BRF2	BRF2, RNA polymerase III transcription initiation factor 50 kDa subunit	-1.606500804	1.606500804	down	0.004692629	0.377936677
SUCO	SUN domain containing ossification factor	-1.606886878	1.606886878	down	0.048420551	0.628445433
HIST1H4H	histone cluster 1, H4h	-1.606998262	1.606998262	down	0.041575205	0.623333169
CAP2	CAP, adenylate cyclase-associated protein, 2 (yeast)	-1.607109655	1.607109655	down	0.0084146	0.4606964
SNIP1	Smad nuclear interacting protein 1	-1.607113368	1.607113368	down	0.046641835	0.627185789
DMKN	dermokine	-1.607325036	1.607325036	down	0.016602242	0.526872128
TLK1	tousled like kinase 1	-1.607481019	1.607481019	down	0.0318487	0.589351082

TCEB1	transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C)	-1.607804176	1.607804176	down	0.011099822	0.489992559
C20orf24	chromosome 20 open reading frame 24	-1.607897049	1.607897049	down	0.000776098	0.195840366
TADA2A	transcriptional adaptor 2A	-1.607937915	1.607937915	down	0.02675819	0.568317266
STOX1	storkhead box 1	-1.608160837	1.608160837	down	0.024712284	0.563837901
DCBLD2	discoidin, CUB and LCCL domain containing 2	-1.608669961	1.608669961	down	0.002359345	0.300161496
C10orf76	chromosome 10 open reading frame 76	-1.608781469	1.608781469	down	0.007795981	0.446499763
ZNF747	zinc finger protein 747	-1.608837226	1.608837226	down	0.027330973	0.56844604
VEZT	vezatin, adherens junctions transmembrane protein	-1.608971051	1.608971051	down	0.017437865	0.531030242
SLC35C1	solute carrier family 35 (GDP-fucose transporter), member C1	-1.609104887	1.609104887	down	0.040017975	0.620933229
SRSF5	serine/arginine-rich splicing factor 5	-1.609149502	1.609149502	down	0.045969888	0.627185789
CDK13	cyclin-dependent kinase 13	-1.609372593	1.609372593	down	0.021249136	0.549146
MCM10	minichromosome maintenance 10 replication initiation factor	-1.609755638	1.609755638	down	0.006894556	0.430926948
HOXA7	homeobox A7	-1.610317354	1.610317354	down	0.037520775	0.609325627
GPX8	glutathione peroxidase 8 (putative)	-1.610384326	1.610384326	down	0.019375412	0.544017898
C1orf116	chromosome 1 open reading frame 116	-1.610481069	1.610481069	down	0.024616703	0.563613185
LOC100507412	uncharacterized LOC100507412	-1.610823438	1.610823438	down	0.004062845	0.35779398
MYLIP	myosin regulatory light chain interacting protein	-1.611028149	1.611028149	down	0.00948767	0.474564332
ST3GAL4	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	-1.611519563	1.611519563	down	0.016157989	0.524267534
MYPN	myopalladin	-1.611772775	1.611772775	down	0.029949813	0.579152964
EWSR1	EWS RNA binding protein 1	-1.611936638	1.611936638	down	0.009741516	0.477233577
TUG1	taurine up-regulated 1 (non-protein coding)	-1.611936638	1.611936638	down	0.009741516	0.477233577
TNFSF9	tumor necrosis factor superfamily member 9	-1.611977607	1.611977607	down	0.006342796	0.417034806
STMN3	stathmin 3	-1.612141491	1.612141491	down	0.01929694	0.543126657
MBD1	methyl-CpG binding domain protein 1	-1.612279316	1.612279316	down	0.037434462	0.609086153
GPATCH3	G-patch domain containing 3	-1.61246931	1.61246931	down	0.045286887	0.624555255
LYSMD4	LysM, putative peptidoglycan-binding, domain containing 4	-1.612525195	1.612525195	down	0.032789265	0.590424587
CACNG1	calcium channel, voltage-dependent, gamma subunit 1	-1.612923897	1.612923897	down	0.021462981	0.549146
STAG3L2	stromal antigen 3-like 2 (pseudogene)	-1.613121421	1.613121421	down	0.002099917	0.287025087
SLC4A1AP	solute carrier family 4 (anion exchanger), member 1, adaptor protein	-1.613166147	1.613166147	down	0.002266563	0.294466121
RHPN2	rhophilin, Rho GTPase binding protein 2	-1.613192238	1.613192238	down	0.003806817	0.351759623
NT5E	5'-nucleotidase, ecto (CD73)	-1.613352518	1.613352518	down	0.043507942	0.623333169
NDST1	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	-1.613568736	1.613568736	down	0.005480232	0.401886731
RHOV	ras homolog family member V	-1.613617202	1.613617202	down	0.007335881	0.437407205
SHQ1	SHQ1, H/ACA ribonucleoprotein assembly factor	-1.613658213	1.613658213	down	0.044954728	0.623333169
HY1	hydroxypyruvate isomerase (putative)	-1.613997528	1.613997528	down	0.000405554	0.144894892
MARCH4	membrane associated ring-CH-type finger 4	-1.614381674	1.614381674	down	0.00690753	0.430926948
CIPC	CLOCK-interacting pacemaker	-1.614750987	1.614750987	down	0.020861418	0.549146
RABGGTB	Rab geranylgeranyltransferase, beta subunit	-1.615112922	1.615112922	down	0.028944066	0.574350948
YY1	YY1 transcription factor	-1.615213681	1.615213681	down	0.004540913	0.373292465
ABCB8	ATP binding cassette subfamily B member 8	-1.615340572	1.615340572	down	0.042073158	0.623333169
BID	BH3 interacting domain death agonist	-1.61543388	1.61543388	down	0.001175844	0.236158592
AMIGO2	adhesion molecule with Ig-like domain 2	-1.615583185	1.615583185	down	0.019338065	0.543356841
MRPS16	mitochondrial ribosomal protein S16	-1.615889303	1.615889303	down	0.026714554	0.568317266
MT1A	metallothionein 1A	-1.616131998	1.616131998	down	0.044236088	0.623333169
TBC1D1	TBC1 domain family member 1	-1.616251493	1.616251493	down	0.044972882	0.623365324
DENND3	DENN/MADD domain containing 3	-1.61633365	1.61633365	down	0.042076315	0.623333169
KDM5B	lysine (K)-specific demethylase 5B	-1.616363527	1.616363527	down	0.020273663	0.549146
RBFOX2	RNA binding protein, fox-1 homolog (C. elegans) 2	-1.616561472	1.616561472	down	0.047381987	0.627322764
ANKRD39	ankyrin repeat domain 39	-1.616587618	1.616587618	down	0.013347732	0.509292857
SERPINB1	serpin peptidase inhibitor, clade B (ovalbumin), member 1	-1.616684733	1.616684733	down	0.001701501	0.255663523
CPSF6	cleavage and polyadenylation specific factor 6	-1.616946228	1.616946228	down	0.00064183	0.184765442
GRTP1	growth hormone regulated TBC protein 1	-1.617069519	1.617069519	down	0.044611892	0.623333169
ANKS3	ankyrin repeat and sterile alpha motif domain containing 3	-1.617091936	1.617091936	down	0.030258233	0.579778515
SKA1	spindle and kinetochore associated complex subunit 1	-1.617174136	1.617174136	down	0.046866683	0.627322764

SON	SON DNA binding protein	-1.617260077	1.617260077	down	0.046126122	0.627185789
DPP7	dipeptidyl-peptidase 7	-1.61743571	1.61743571	down	0.008219494	0.45571887
SMTN	smoothelin	-1.617577725	1.617577725	down	0.020678183	0.549146
ADCY7	adenylate cyclase 7	-1.618011321	1.618011321	down	0.034630218	0.597640739
CRLF3	cytokine receptor-like factor 3	-1.618183297	1.618183297	down	0.015087238	0.517793473
SH2D4A	SH2 domain containing 4A	-1.618646974	1.618646974	down	0.000943146	0.215943958
RAP1GDS1	RAP1, GTP-GDP dissociation stimulator 1	-1.618721773	1.618721773	down	0.007645211	0.443884559
TMOD1	tropomodulin 1	-1.618789095	1.618789095	down	0.044140073	0.623333169
HIST1H2BK	histone cluster 1, H2bk	-1.618807796	1.618807796	down	0.000520616	0.161370449
CMTM5	CKLF-like MARVEL transmembrane domain containing 5	-1.618890084	1.618890084	down	0.040950897	0.623333169
STK4	serine/threonine kinase 4	-1.618991079	1.618991079	down	0.000662477	0.18477288
SNX33	sorting nexin 33	-1.619320291	1.619320291	down	0.003033983	0.326391956
ARHGAP26	Rho GTPase activating protein 26	-1.619395121	1.619395121	down	0.049600261	0.630325871
DGCR2	DiGeorge syndrome critical region gene 2	-1.620121153	1.620121153	down	0.032246312	0.589858765
STK32C	serine/threonine kinase 32C	-1.620270891	1.620270891	down	0.040852157	0.623333169
BIRC5	baculoviral IAP repeat containing 5	-1.620315815	1.620315815	down	0.037406743	0.608981156
DOLPP1	dolichyldiphosphatase 1	-1.620517989	1.620517989	down	0.012758503	0.5057776
CHFR	checkpoint with forkhead and ring finger domains, E3 ubiquitin protein	-1.6209711	1.6209711	down	0.019876329	0.549146
ZDHHC7	zinc finger, DHHC-type containing 7	-1.621274492	1.621274492	down	0.023318093	0.556498532
GAS6	growth arrest specific 6	-1.621439322	1.621439322	down	0.001331656	0.241913463
MBD2	methyl-CpG binding domain protein 2	-1.621532983	1.621532983	down	0.026644285	0.568317266
SERPINE1	serpin peptidase inhibitor, clade E (nexin, plasminogen activator	-1.621918922	1.621918922	down	0.008329349	0.460228374
EMILIN1	inhibitor type 1, member 1 elastin microfibril interfacer 1	-1.622597348	1.622597348	down	0.046677077	0.627185789
SETD2	SET domain containing 2	-1.622634839	1.622634839	down	0.006672566	0.42771383
XAB2	XPA binding protein 2	-1.62285605	1.62285605	down	0.045018918	0.623564284
MCM4	minichromosome maintenance complex component 4	-1.623309814	1.623309814	down	0.016720353	0.528635316
ZNF808	zinc finger protein 808	-1.623433359	1.623433359	down	0.033698502	0.593014207
ATF5	activating transcription factor 5	-1.623838741	1.623838741	down	0.015784862	0.522063677
LPAR1	lysophosphatidic acid receptor 1	-1.6238575	1.6238575	down	0.029023081	0.574540338
IL6ST	interleukin 6 signal transducer	-1.623928788	1.623928788	down	0.007044712	0.432628838
NFIB	nuclear factor I/B	-1.624315297	1.624315297	down	0.033354403	0.593014207
PA2G4	proliferation-associated 2G4	-1.624431643	1.624431643	down	0.001980509	0.276804943
LAPTM5	lysosomal protein transmembrane 5	-1.624566765	1.624566765	down	0.024819966	0.56430245
TRMU	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	-1.62459304	1.62459304	down	0.005851696	0.409879029
MKI67	marker of proliferation Ki-67	-1.624716914	1.624716914	down	0.011392231	0.493350006
MAMSTR	MEF2 activating motif and SAP domain containing transcriptional	-1.624893357	1.624893357	down	0.035952663	0.603119509
LRP5L	LDL receptor related protein 5 like	-1.625306382	1.625306382	down	0.016196916	0.524267534
SELPLG	selectin P ligand	-1.625546736	1.625546736	down	0.045946897	0.627149649
EMP3	epithelial membrane protein 3	-1.625948658	1.625948658	down	0.010943916	0.489869256
FAM73A	family with sequence similarity 73 member A	-1.625982469	1.625982469	down	0.035572711	0.601354231
CHMP7	charged multivesicular body protein 7	-1.626189107	1.626189107	down	0.017567847	0.531150768
TCOF1	Treacher Collins-Franceschetti syndrome 1	-1.626294314	1.626294314	down	0.003846672	0.352149401
DZANK1	double zinc ribbon and ankyrin repeat domains 1	-1.626437107	1.626437107	down	0.031233979	0.585954505
TBCEL	tubulin folding cofactor E-like	-1.626572396	1.626572396	down	0.028353494	0.57421459
MAP7D3	MAP7 domain containing 3	-1.626764075	1.626764075	down	0.011482023	0.494546847
KIF21A	kinesin family member 21A	-1.626891873	1.626891873	down	0.035450352	0.600698736
MAP4K4	mitogen-activated protein kinase kinase kinase 4	-1.627049755	1.627049755	down	0.002548305	0.309987919
FANCM	Fanconi anemia complementation group M	-1.627155018	1.627155018	down	0.046858	0.627322764
CHRNB1	cholinergic receptor, nicotinic beta 1	-1.627587421	1.627587421	down	0.009264891	0.470380292
PSMD12	proteasome 26S subunit, non-ATPase 12	-1.627666394	1.627666394	down	0.000486085	0.154312327
MGLL	monoglyceride lipase	-1.627809307	1.627809307	down	0.001555301	0.251952305
EEA1	early endosome antigen 1	-1.62791462	1.62791462	down	0.034687686	0.597999402
SPATA5L1	spermatogenesis associated 5-like 1	-1.628192978	1.628192978	down	0.036481772	0.603912936
MATN2	matrilin 2	-1.628200502	1.628200502	down	0.008563481	0.466623412

CNOT4	CCR4-NOT transcription complex subunit 4	-1.628384848	1.628384848	down	0.030178354	0.57950115
STEAP3	STEAP3 metalloredutase	-1.628595554	1.628595554	down	0.020497434	0.549146
ADGRF4	adhesion G protein-coupled receptor F4	-1.628810051	1.628810051	down	0.02080565	0.549146
SIPA1L1	signal-induced proliferation-associated 1 like 1	-1.628817578	1.628817578	down	0.008645681	0.466623412
TOR3A	torsin family 3, member A	-1.62889661	1.62889661	down	0.000484366	0.154312327
DENND5B	DENN/MADD domain containing 5B	-1.629081035	1.629081035	down	0.01722672	0.530571823
GPRC5C	G protein-coupled receptor, class C, group 5, member C	-1.629216544	1.629216544	down	0.030516181	0.581882081
POLR3C	polymerase (RNA) III (DNA directed) polypeptide C (62kD)	-1.629344534	1.629344534	down	0.028592641	0.574350948
TBRG1	transforming growth factor beta regulator 1	-1.629348299	1.629348299	down	0.021385539	0.549146
TCHP	trichoplein, keratin filament binding	-1.629416063	1.629416063	down	0.035622958	0.601820319
MTERF4	mitochondrial transcription termination factor 4	-1.62956666	1.62956666	down	0.023352298	0.556498532
NUDT16L1	nudix hydrolase 16 like 1	-1.630033599	1.630033599	down	0.000771667	0.195840366
SDCCAG8	serologically defined colon cancer antigen 8	-1.63018802	1.63018802	down	0.020011114	0.549146
IL6R	interleukin 6 receptor	-1.630365057	1.630365057	down	0.019860502	0.549146
ING5	inhibitor of growth family member 5	-1.630421562	1.630421562	down	0.02389581	0.56192268
GFOD1	glucose-fructose oxidoreductase domain containing 1	-1.63053081	1.63053081	down	0.010773073	0.488995826
VEGFC	vascular endothelial growth factor C	-1.630873673	1.630873673	down	0.032036409	0.589351082
DDHD1	DDHD domain containing 1	-1.630956574	1.630956574	down	0.043426267	0.623333169
ATG13	autophagy related 13	-1.631039479	1.631039479	down	0.045711257	0.625770788
LOC102724229	uncharacterized LOC102724229	-1.631092239	1.631092239	down	0.048785385	0.62943979
RASA4B	RAS p21 protein activator 4B	-1.631092239	1.631092239	down	0.048785385	0.62943979
POLR2J4	polymerase (RNA) II (DNA directed) polypeptide J4, pseudogene	-1.631092239	1.631092239	down	0.048785385	0.62943979
RASA4	RAS p21 protein activator 4	-1.631092239	1.631092239	down	0.048785385	0.62943979
ZNF532	zinc finger protein 532	-1.631190226	1.631190226	down	0.029637577	0.57728016
SLC39A7	solute carrier family 39 (zinc transporter), member 7	-1.631536997	1.631536997	down	0.006907482	0.430926948
NR3C1	nuclear receptor subfamily 3 group C member 1	-1.632019584	1.632019584	down	0.040368539	0.622535379
TBX6	T-box 6	-1.632030896	1.632030896	down	0.021938234	0.550085548
SSH2	slingshot protein phosphatase 2	-1.632219446	1.632219446	down	0.032068843	0.589351082
GJA5	gap junction protein alpha 5	-1.632272244	1.632272244	down	0.009108079	0.466623412
ELL2	elongation factor, RNA polymerase II, 2	-1.633177619	1.633177619	down	0.004038617	0.35779398
FUBP1	far upstream element (FUSE) binding protein 1	-1.633181393	1.633181393	down	0.000767762	0.195840366
MRT04	MRT4 homolog, ribosome maturation factor	-1.633309695	1.633309695	down	0.005209844	0.39485568
NFRKB	nuclear factor related to kappaB binding protein	-1.633426685	1.633426685	down	0.009729158	0.477233577
HMHA1	histocompatibility (minor) HA-1	-1.633521039	1.633521039	down	0.0440474	0.623333169
ANP32D	acidic nuclear phosphoprotein 32 family member D	-1.633630495	1.633630495	down	0.044074475	0.623333169
NCEH1	neutral cholesterol ester hydrolase 1	-1.63363427	1.63363427	down	0.005704439	0.404604007
ACP7	acid phosphatase 7, tartrate resistant (putative)	-1.633736184	1.633736184	down	0.019411804	0.544651223
AP1S1	adaptor-related protein complex 1 sigma 1 subunit	-1.633909831	1.633909831	down	0.007628388	0.443884559
UBE3D	ubiquitin protein ligase E3D	-1.63431382	1.63431382	down	0.029958589	0.579152964
ATAT1	alpha tubulin acetyltransferase 1	-1.634396896	1.634396896	down	0.017018818	0.530571823
TP73	tumor protein p73	-1.634559283	1.634559283	down	0.030910253	0.583508935
POLR3F	polymerase (RNA) III (DNA directed) polypeptide F, 39 kDa	-1.634955878	1.634955878	down	0.007470726	0.438278902
TPCN2	two pore segment channel 2	-1.635201437	1.635201437	down	0.021107901	0.549146
NSD1	nuclear receptor binding SET domain protein 1	-1.635379018	1.635379018	down	0.017676658	0.531989019
MPC2	mitochondrial pyruvate carrier 2	-1.635836284	1.635836284	down	0.028210063	0.57421459
PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	-1.635968575	1.635968575	down	0.014338624	0.514676952
RBMS2	RNA binding motif, single stranded interacting protein 2	-1.636059295	1.636059295	down	0.032469275	0.590424587
COL6A1	collagen, type VI, alpha 1	-1.636289897	1.636289897	down	0.041073286	0.623333169
KRTAP2-3	keratin associated protein 2-3	-1.636395758	1.636395758	down	0.005535436	0.401886731
CRCP	CGRP receptor component	-1.636471377	1.636471377	down	0.024635952	0.563613185
CCDC150	coiled-coil domain containing 150	-1.636823053	1.636823053	down	0.007921015	0.447128041
KIAA0907	KIAA0907	-1.636940295	1.636940295	down	0.002771385	0.315798154
UCHL5	ubiquitin C-terminal hydrolase L5	-1.637091587	1.637091587	down	0.040859527	0.623333169
FST	follistatin	-1.637148325	1.637148325	down	0.032231005	0.589852866

LOC100294341	ADP-ribosylation factor-like protein 17	-1.63751528	1.63751528	down	0.01301295	0.508400247
LOC100996709	ADP-ribosylation factor-like protein 17	-1.63751528	1.63751528	down	0.01301295	0.508400247
ARL17B	ADP ribosylation factor like GTPase 17B	-1.63751528	1.63751528	down	0.01301295	0.508400247
ARL17A	ADP-ribosylation factor like GTPase 17A	-1.63751528	1.63751528	down	0.01301295	0.508400247
SH3KBP1	SH3-domain kinase binding protein 1	-1.637651491	1.637651491	down	0.007148641	0.434730278
FARP1	FERM, ARH/RhoGEF and pleckstrin domain protein 1	-1.637840691	1.637840691	down	0.031797789	0.589351082
APOL1	apolipoprotein L1	-1.637992066	1.637992066	down	0.011439002	0.494287923
APOL2	apolipoprotein L, 2	-1.637992066	1.637992066	down	0.011439002	0.494287923
NUMBL	numb homolog (Drosophila)-like	-1.638116962	1.638116962	down	0.018492808	0.537153195
LOC100506766	uncharacterized LOC100506766	-1.638397065	1.638397065	down	0.047895553	0.627854743
BICD1	bicaudal D homolog 1 (Drosophila)	-1.638662071	1.638662071	down	0.035189135	0.600433528
ZNF230	zinc finger protein 230	-1.638764299	1.638764299	down	0.041615228	0.623333169
PPP3R1	protein phosphatase 3 regulatory subunit B, alpha	-1.638862747	1.638862747	down	0.025547847	0.566329497
PCSK9	proprotein convertase subtilisin/kexin type 9	-1.638976349	1.638976349	down	0.046772787	0.627185789
CYTH4	cytohesin 4	-1.639124042	1.639124042	down	0.030982502	0.584392041
PCID2	PCI domain containing 2	-1.639302049	1.639302049	down	0.00242046	0.302480607
IRF5	interferon regulatory factor 5	-1.639540685	1.639540685	down	0.047560568	0.627760335
FRMD4A	FERM domain containing 4A	-1.639707372	1.639707372	down	0.031645417	0.589022431
FNBP1	formin binding protein 1	-1.639828609	1.639828609	down	0.009312755	0.470801192
AP4B1	adaptor-related protein complex 4, beta 1 subunit	-1.639866498	1.639866498	down	0.004110958	0.358673662
PNMA6A	paraneoplastic Ma antigen family member 6A	-1.640010482	1.640010482	down	0.027982963	0.572828574
CCDC151	coiled-coil domain containing 151	-1.640215113	1.640215113	down	0.024206961	0.562851157
ACAT2	acetyl-CoA acetyltransferase 2	-1.640870863	1.640870863	down	0.000291049	0.123163556
CDT1	chromatin licensing and DNA replication factor 1	-1.640961854	1.640961854	down	0.001513501	0.251952305
IGDCC4	immunoglobulin superfamily, DCC subclass, member 4	-1.642251446	1.642251446	down	0.047353884	0.627322764
SLC6A17	solute carrier family 6 (neutral amino acid transporter), member 17	-1.64225524	1.64225524	down	0.038866447	0.613615561
PTCD3	pentatricopeptide repeat domain 3	-1.642300774	1.642300774	down	0.001280169	0.240074176
HDAC8	histone deacetylase 8	-1.642304568	1.642304568	down	0.032702054	0.590424587
GJB3	gap junction protein beta 3	-1.642410819	1.642410819	down	0.007189366	0.434730278
CISD3	CDGSH iron sulfur domain 3	-1.642695451	1.642695451	down	0.028417926	0.57421459
DDX55	DEAD (Asp-Glu-Ala-Asp) box polypeptide 55	-1.642832093	1.642832093	down	0.013470012	0.509292857
MET	MET proto-oncogene, receptor tyrosine kinase	-1.64306365	1.64306365	down	3.39392E-05	0.029689231
OSCP1	organic solute carrier partner 1	-1.643416742	1.643416742	down	0.011570882	0.495320532
ZNF200	zinc finger protein 200	-1.643439525	1.643439525	down	0.011482683	0.494546847
HES2	hes family bHLH transcription factor 2	-1.643933229	1.643933229	down	0.032227308	0.589852866
ACTR3C	ARP3 actin-related protein 3 homolog C (yeast)	-1.644248517	1.644248517	down	0.03619457	0.603150244
KIAA1468	KIAA1468	-1.644563866	1.644563866	down	0.047175148	0.627322764
CARNS1	carnosine synthase 1	-1.644715863	1.644715863	down	0.048991017	0.62943979
BNC1	basonuclin 1	-1.644765265	1.644765265	down	0.017120007	0.530571823
SETDB1	SET domain, bifurcated 1	-1.644791867	1.644791867	down	0.021343286	0.549146
SUN2	Sad1 and UNC84 domain containing 2	-1.644837471	1.644837471	down	0.043122181	0.623333169
MAP3K10	mitogen-activated protein kinase kinase kinase 10	-1.64524036	1.64524036	down	0.01889928	0.539906054
NRL	neural retina leucine zipper	-1.645282175	1.645282175	down	0.024509392	0.563613185
RFWD3	ring finger and WD repeat domain 3	-1.645396222	1.645396222	down	0.008124967	0.454504307
SP110	SP110 nuclear body protein	-1.645464653	1.645464653	down	0.025122517	0.565551322
NPAS2	neuronal PAS domain protein 2	-1.645514078	1.645514078	down	0.042047074	0.623333169
NUCKS1	nuclear casein kinase and cyclin-dependent kinase substrate 1	-1.64584488	1.64584488	down	0.04801602	0.627854743
IGLJ3	immunoglobulin lambda joining 3	-1.646533314	1.646533314	down	0.024667389	0.563613185
IGLL5	immunoglobulin lambda-like polypeptide 5	-1.646533314	1.646533314	down	0.024667389	0.563613185
IGLV3-19	immunoglobulin lambda variable 3-19	-1.646533314	1.646533314	down	0.024667389	0.563613185
INS-IGF2	INS-IGF2 readthrough	-1.646811052	1.646811052	down	0.026614619	0.568317266
INS	insulin	-1.646811052	1.646811052	down	0.026614619	0.568317266
ERP44	endoplasmic reticulum protein 44	-1.646940425	1.646940425	down	0.025959932	0.567099175
ATP6V0E2	ATPase, H+ transporting V0 subunit e2	-1.647073614	1.647073614	down	0.048674996	0.62943979

CLK4	CDC like kinase 4	-1.647195396	1.647195396	down	0.040658104	0.623259064
PRRT2	proline-rich transmembrane protein 2	-1.647222037	1.647222037	down	0.037205168	0.607707429
ATP9B	ATPase, class II, type 9B	-1.647362861	1.647362861	down	0.042626244	0.623333169
S100A3	S100 calcium binding protein A3	-1.64787678	1.64787678	down	0.025303769	0.565656951
VWA5A	von Willebrand factor A domain containing 5A	-1.648230907	1.648230907	down	0.006863172	0.430926948
HN1L	hematological and neurological expressed 1-like	-1.648554637	1.648554637	down	0.000819569	0.199221133
MKKS	McKusick-Kaufman syndrome	-1.648760335	1.648760335	down	0.027172852	0.568317266
SOX9	SRY-box 9	-1.649019397	1.649019397	down	0.010515995	0.486801343
KCN51	potassium voltage-gated channel, modifier subfamily S, member 1	-1.64927469	1.64927469	down	0.006332997	0.417034806
SOCS3	suppressor of cytokine signaling 3	-1.649747276	1.649747276	down	0.001443136	0.250769966
ANKRD13C	ankyrin repeat domain 13C	-1.649888316	1.649888316	down	0.009893011	0.477252924
SLC37A3	solute carrier family 37, member 3	-1.649953122	1.649953122	down	0.035456132	0.600698736
RUNX3	runt-related transcription factor 3	-1.649991245	1.649991245	down	0.020446482	0.549146
PPM1L	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1L	-1.650101805	1.650101805	down	0.031599744	0.588700386
LOC101928168	uncharacterized LOC101928168	-1.650143743	1.650143743	down	0.032461003	0.590424587
LINC00656	long intergenic non-protein coding RNA 656	-1.650178057	1.650178057	down	0.035636813	0.601820319
SEC14L1	SEC14-like lipid binding 1	-1.650544119	1.650544119	down	0.02327997	0.556498532
LMNB1	lamin B1	-1.650704297	1.650704297	down	0.040262964	0.62179348
ASB9	ankyrin repeat and SOCS box containing 9	-1.650830161	1.650830161	down	0.028292968	0.57421459
GATS	GATS, stromal antigen 3 opposite strand	-1.650849233	1.650849233	down	0.047278328	0.627322764
IL10	interleukin 10	-1.650879747	1.650879747	down	0.036973406	0.606003692
LOC100506548	uncharacterized LOC100506548	-1.65095985	1.65095985	down	0.038737928	0.613615561
RPL37	ribosomal protein L37	-1.65095985	1.65095985	down	0.038737928	0.613615561
FHOD3	formin homology 2 domain containing 3	-1.65132227	1.65132227	down	0.013480813	0.509292857
CSAG1	chondrosarcoma associated gene 1	-1.651429104	1.651429104	down	0.03694097	0.606003692
PHF10	PHD finger protein 10	-1.65149397	1.65149397	down	0.001492246	0.251035295
ARNT2	aryl hydrocarbon receptor nuclear translocator 2	-1.651501602	1.651501602	down	0.040196892	0.621304652
IGHG3	immunoglobulin heavy constant gamma 3 (G3m marker)	-1.652253482	1.652253482	down	0.046925531	0.627322764
HMG2	high mobility group AT-hook 2	-1.652322198	1.652322198	down	0.000197602	0.096064854
ZNF24	zinc finger protein 24	-1.652452004	1.652452004	down	0.022479434	0.551250506
YOD1	YOD1 deubiquitinase	-1.653322732	1.653322732	down	0.030749751	0.582533534
TMEM135	transmembrane protein 135	-1.653326552	1.653326552	down	0.035739878	0.602268962
ANKRD1	ankyrin repeat domain 1 (cardiac muscle)	-1.653360932	1.653360932	down	0.027158877	0.568317266
LOC100128108	putative ubiquitin-conjugating enzyme E2Q2-like protein	-1.653991365	1.653991365	down	0.021880922	0.550085548
FOPNL	FGFR1OP N-terminal like	-1.65430476	1.65430476	down	0.002323943	0.298884417
MSGN1	mesogenin 1	-1.654931729	1.654931729	down	0.020551601	0.549146
NALCN	sodium leak channel, non selective	-1.655168815	1.655168815	down	0.014052199	0.513372826
ASAP1-IT2	ASAP1 intronic transcript 2	-1.655310319	1.655310319	down	0.041918039	0.623333169
SLC16A2	solute carrier family 16, member 2 (thyroid hormone transporter)	-1.655604838	1.655604838	down	0.004142483	0.358673662
KIF1A	kinesin family member 1A	-1.655631615	1.655631615	down	0.033776057	0.593304103
PRKCDBP	protein kinase C, delta binding protein	-1.655754029	1.655754029	down	0.005257347	0.395708317
LINC00893	long intergenic non-protein coding RNA 893	-1.655864976	1.655864976	down	0.012737463	0.505453867
LINC00894	long intergenic non-protein coding RNA 894	-1.655864976	1.655864976	down	0.012737463	0.505453867
GLB1L3	galactosidase beta 1 like 3	-1.656037148	1.656037148	down	0.045376045	0.624555255
ZNF276	zinc finger protein 276	-1.65615194	1.65615194	down	0.014266835	0.514676952
IHH	indian hedgehog	-1.656385374	1.656385374	down	0.027859973	0.572241118
GATSL2	GATS protein-like 2	-1.656588221	1.656588221	down	0.029312115	0.576629742
C1orf27	chromosome 1 open reading frame 27	-1.656615014	1.656615014	down	0.035578661	0.601354231
PDE7A	phosphodiesterase 7A	-1.656733674	1.656733674	down	0.043662259	0.623333169
BTBD11	BTB (POZ) domain containing 11	-1.657005475	1.657005475	down	0.015765743	0.522063677
XYLT2	xylosyltransferase II	-1.657239029	1.657239029	down	0.021134016	0.549146
LAMC1	laminin subunit gamma 1	-1.65744581	1.65744581	down	0.016137019	0.524267534
FCF1	FCF1 rRNA-processing protein	-1.65755687	1.65755687	down	0.00303706	0.326391956
ZHX3	zinc fingers and homeoboxes 3	-1.658154421	1.658154421	down	0.007877286	0.446814625

THBS1	thrombospondin 1	-1.658208058	1.658208058	down	0.001619693	0.255663523
CRTAP	cartilage associated protein	-1.6588825	1.6588825	down	0.02391501	0.562024581
GPR35	G protein-coupled receptor 35	-1.6600059	1.6600059	down	0.013480362	0.509292857
PDDC1	Parkinson disease 7 domain containing 1	-1.660577477	1.660577477	down	0.019952846	0.549146
TEC	transient erythroblastopenia of childhood	-1.660777	1.660777	down	0.028868726	0.574350948
TEC	tec protein tyrosine kinase	-1.660777	1.660777	down	0.028868726	0.574350948
KCNE5	potassium channel, voltage gated subfamily E regulatory beta subunit 5	-1.660949683	1.660949683	down	0.030262275	0.579778515
TBC1D4	TBC1 domain family member 4	-1.661352681	1.661352681	down	0.001536653	0.251952305
BAK1	BCL2-antagonist/killer 1	-1.661517747	1.661517747	down	0.041425204	0.623333169
PIWIL2	piwi-like RNA-mediated gene silencing 2	-1.661928562	1.661928562	down	0.044730578	0.623333169
IL16	interleukin 16	-1.662243461	1.662243461	down	0.047388147	0.627322764
PSMD13	proteasome 26S subunit, non-ATPase 13	-1.662266505	1.662266505	down	0.000417697	0.144894892
E2F8	E2F transcription factor 8	-1.662473913	1.662473913	down	0.013560207	0.5101407
RPUSD4	RNA pseudouridylate synthase domain containing 4	-1.662485436	1.662485436	down	0.002590818	0.311888575
KRTAP12-1	keratin associated protein 12-1	-1.662627565	1.662627565	down	0.039041504	0.613731439
C10orf25	chromosome 10 open reading frame 25	-1.662658297	1.662658297	down	0.020292545	0.549146
USP17L19	ubiquitin specific peptidase 17-like family member 19	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L21	ubiquitin specific peptidase 17-like family member 21	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L1	ubiquitin specific peptidase 17-like family member 1	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L2	ubiquitin specific peptidase 17-like family member 2	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L26	ubiquitin specific peptidase 17-like family member 26	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L30	ubiquitin specific peptidase 17-like family member 30	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L6P	ubiquitin specific peptidase 17-like family member 6, pseudogene	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L29	ubiquitin specific peptidase 17-like family member 29	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L10	ubiquitin specific peptidase 17-like family member 10	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L27	ubiquitin specific peptidase 17-like family member 27	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L20	ubiquitin specific peptidase 17-like family member 20	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L28	ubiquitin specific peptidase 17-like family member 28	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L5	ubiquitin specific peptidase 17-like family member 5	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L4	ubiquitin specific peptidase 17-like family member 4	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L14P	ubiquitin specific peptidase 17-like family member 14, pseudogene	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L12	ubiquitin specific peptidase 17-like family member 12	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L18	ubiquitin specific peptidase 17-like family member 18	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L9P	ubiquitin specific peptidase 17-like family member 9, pseudogene	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L15	ubiquitin specific peptidase 17-like family member 15	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L22	ubiquitin specific peptidase 17-like family member 22	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L8	ubiquitin specific peptidase 17-like family member 8	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L24	ubiquitin specific peptidase 17-like family member 24	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L17	ubiquitin specific peptidase 17-like family member 17	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L13	ubiquitin specific peptidase 17-like family member 13	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L3	ubiquitin specific peptidase 17-like family member 3	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L11	ubiquitin specific peptidase 17-like family member 11	-1.662738972	1.662738972	down	0.045341932	0.624555255
USP17L25	ubiquitin specific peptidase 17-like family member 25	-1.662738972	1.662738972	down	0.045341932	0.624555255
SPEM1	spermatid maturation 1	-1.662908017	1.662908017	down	0.020506075	0.549146
EIF2AK1	eukaryotic translation initiation factor 2 alpha kinase 1	-1.663023285	1.663023285	down	0.018393851	0.537128348
CDRT1	CMT1A duplicated region transcript 1	-1.664041833	1.664041833	down	0.034072705	0.595139711
WASL	Wiskott-Aldrich syndrome-like	-1.66417256	1.66417256	down	0.02097506	0.549146
CHN2	chimerin 2	-1.664572494	1.664572494	down	0.043037724	0.623333169
RASA2	RAS p21 protein activator 2	-1.664984064	1.664984064	down	0.020859916	0.549146
SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein	-1.665007146	1.665007146	down	0.022238031	0.550353494
ALDOAP2	aldolase, fructose-bisphosphate A pseudogene 2	-1.665084087	1.665084087	down	0.047570407	0.627760335
GPALPP1	GPALPP motifs containing 1	-1.665199506	1.665199506	down	0.034026105	0.595139711
CSF1	colony stimulating factor 1 (macrophage)	-1.665888338	1.665888338	down	0.030736657	0.582533534
RBM48	RNA binding motif protein 48	-1.666569754	1.666569754	down	0.024635374	0.563613185

ABHD5	abhydrolase domain containing 5	-1.666635215	1.666635215	down	0.001092796	0.225224604
GLYCTK	glycerate kinase	-1.666758444	1.666758444	down	0.03511315	0.600433528
UBAP2	ubiquitin associated protein 2	-1.667039593	1.667039593	down	0.017424135	0.531030242
MOK	MOK protein kinase	-1.667567356	1.667567356	down	0.000784046	0.196585701
ZBED2	zinc finger, BED-type containing 2	-1.668149245	1.668149245	down	0.000739497	0.195840366
EEF1D	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)	-1.668823874	1.668823874	down	0.005502662	0.401886731
HIST1H2AG	histone cluster 1, H2ag	-1.669637647	1.669637647	down	0.044082728	0.623333169
NDUFS7	NADH:ubiquinone oxidoreductase core subunit S7	-1.66971866	1.66971866	down	0.02248349	0.551250506
C16orf74	chromosome 16 open reading frame 74	-1.66987684	1.66987684	down	0.005608038	0.402842701
XRCC2	X-ray repair complementing defective repair in Chinese hamster cells 2	-1.670054329	1.670054329	down	0.019135586	0.541887884
AMOTL1	angiominin like 1	-1.670154656	1.670154656	down	0.000735555	0.195840366
FZD7	frizzled class receptor 7	-1.670818515	1.670818515	down	0.020752349	0.549146
RGS2	regulator of G-protein signaling 2	-1.670942053	1.670942053	down	0.000774797	0.195840366
RNF43	ring finger protein 43	-1.671015408	1.671015408	down	0.047354974	0.627322764
CREB3L2	cAMP responsive element binding protein 3-like 2	-1.671505809	1.671505809	down	0.031380577	0.58634196
PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	-1.671536706	1.671536706	down	0.014590789	0.515525808
LILRB3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains). member 3	-1.671791622	1.671791622	down	0.027060803	0.568317266
LOC102725015	leukocyte immunoglobulin-like receptor subfamily B member 3	-1.671791622	1.671791622	down	0.027060803	0.568317266
LOC102725031	leukocyte immunoglobulin-like receptor subfamily B member 3	-1.671791622	1.671791622	down	0.027060803	0.568317266
LILRB2	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains). member 2	-1.671791622	1.671791622	down	0.027060803	0.568317266
LOC102725034	leukocyte immunoglobulin-like receptor subfamily B member 3	-1.671791622	1.671791622	down	0.027060803	0.568317266
LOC102725029	leukocyte immunoglobulin-like receptor subfamily B member 3	-1.671791622	1.671791622	down	0.027060803	0.568317266
LOC102725035	leukocyte immunoglobulin-like receptor subfamily B member 3	-1.671791622	1.671791622	down	0.027060803	0.568317266
LILRA6	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain). member 6	-1.671791622	1.671791622	down	0.027060803	0.568317266
C14orf2	chromosome 14 open reading frame 2	-1.67205044	1.67205044	down	0.003719613	0.349787905
ROBO4	roundabout guidance receptor 4	-1.672583654	1.672583654	down	0.036600487	0.604560136
FAM163B	family with sequence similarity 163 member B	-1.672703458	1.672703458	down	0.043354957	0.623333169
PPP1R1B	protein phosphatase 1 regulatory inhibitor subunit 1B	-1.673140233	1.673140233	down	0.040603324	0.623259064
PROS1	protein S (alpha)	-1.673364463	1.673364463	down	0.048118094	0.627892392
ICAM3	intercellular adhesion molecule 3	-1.67346499	1.67346499	down	0.038160713	0.612253826
KIAA1324	KIAA1324	-1.673685396	1.673685396	down	0.039022831	0.613717043
IL17RD	interleukin 17 receptor D	-1.674586658	1.674586658	down	0.027040976	0.568317266
ARHGAP32	Rho GTPase activating protein 32	-1.674729821	1.674729821	down	0.002359425	0.300161496
BBS4	Bardet-Biedl syndrome 4	-1.675836849	1.675836849	down	0.010523697	0.486801343
ITPR2	inositol 1,4,5-trisphosphate receptor, type 2	-1.67680513	1.67680513	down	0.024785773	0.56430245
MLH1	mutL homolog 1	-1.677456129	1.677456129	down	0.041231525	0.623333169
LMO1	LIM domain only 1	-1.677479384	1.677479384	down	0.031364324	0.58634196
OR52M1	olfactory receptor, family 52, subfamily M, member 1	-1.678262478	1.678262478	down	0.030361032	0.580739562
HERC2P9	hect domain and RLD 2 pseudogene 9	-1.678277989	1.678277989	down	0.015944998	0.523501532
HERC2P2	hect domain and RLD 2 pseudogene 2	-1.678277989	1.678277989	down	0.015944998	0.523501532
HERC2	HECT and RLD domain containing E3 ubiquitin protein ligase 2	-1.678277989	1.678277989	down	0.015944998	0.523501532
LOC105369242	E3 ubiquitin-protein ligase HERC2-like	-1.678277989	1.678277989	down	0.015944998	0.523501532
MAP4	microtubule associated protein 4	-1.679185603	1.679185603	down	0.013723206	0.511408446
TGM2	transglutaminase 2	-1.67924768	1.67924768	down	8.86038E-05	0.059972367
MITF	microphthalmia-associated transcription factor	-1.67970945	1.67970945	down	0.006864537	0.430926948
SSR3	signal sequence receptor, gamma (translocon-associated protein)	-1.680295576	1.680295576	down	0.002167038	0.288675084
E2F6	E2F transcription factor 6	-1.680524648	1.680524648	down	0.048849467	0.62943979
OSBPL5	oxysterol binding protein like 5	-1.680726567	1.680726567	down	0.040204251	0.621304652
NAV3	neuron navigator 3	-1.680738217	1.680738217	down	0.018899798	0.539906054
C22orf39	chromosome 22 open reading frame 39	-1.681215935	1.681215935	down	0.002700187	0.315798154
RCN3	reticulocalbin 3	-1.68129751	1.68129751	down	0.03303675	0.592229281
LINC00909	long intergenic non-protein coding RNA 909	-1.681445132	1.681445132	down	0.0149271	0.516117046
ZDHC17	zinc finger, DHHC-type containing 17	-1.681631621	1.681631621	down	0.022773469	0.551784312
CYP2D6	cytochrome P450, family 2, subfamily D, polypeptide 6	-1.681732644	1.681732644	down	0.028916347	0.574350948

LOC101929829	cytochrome P450, family 2, subfamily D, polypeptide 6 pseudogene	-1.681732644	1.681732644	down	0.028916347	0.574350948
CYP2D7	cytochrome P450, family 2, subfamily D, polypeptide 7	-1.681732644	1.681732644	down	0.028916347	0.574350948
ARHGEF28	Rho guanine nucleotide exchange factor 28	-1.682218417	1.682218417	down	0.021971814	0.550085548
SRGN	serglycin	-1.68227672	1.68227672	down	9.0403E-05	0.059972367
HIST1H3F	histone cluster 1, H3f	-1.682576036	1.682576036	down	0.022535574	0.551250506
ZSCAN12	zinc finger and SCAN domain containing 12	-1.682723771	1.682723771	down	0.011346056	0.491891526
UBE3A	ubiquitin protein ligase E3A	-1.684201828	1.684201828	down	0.009938289	0.478589231
ZDHHC19	zinc finger, DHHC-type containing 19	-1.684291331	1.684291331	down	0.025668556	0.566329497
TMPRSS4	transmembrane protease, serine 4	-1.684707777	1.684707777	down	0.005564036	0.401886731
LPIN1	lipin 1	-1.68472724	1.68472724	down	0.002282903	0.295613397
PKD1L2	polycystic kidney disease 1-like 2 (gene/pseudogene)	-1.686160306	1.686160306	down	0.038513584	0.61336314
SPDYE2B	speedy/RINGO cell cycle regulator family member E2B	-1.686238225	1.686238225	down	0.002162144	0.288675084
RSP01	R-spondin 1	-1.686347318	1.686347318	down	0.029044463	0.574540338
TAF8	TATA-box binding protein associated factor 8	-1.68652266	1.68652266	down	0.023945342	0.562080133
LST1	leukocyte specific transcript 1	-1.687044898	1.687044898	down	0.040674251	0.623259064
ANXA5	annexin A5	-1.687103367	1.687103367	down	0.014718222	0.515525808
TNFRSF1B	tumor necrosis factor receptor superfamily member 1B	-1.68711896	1.68711896	down	0.011787883	0.495320532
H3F3B	H3 histone, family 3B (H3.3B)	-1.687407442	1.687407442	down	0.000536361	0.163673127
PLAGL1	pleiomorphic adenoma gene-like 1	-1.687789561	1.687789561	down	0.044411186	0.623333169
MAP1B	microtubule associated protein 1B	-1.688265382	1.688265382	down	0.007163201	0.434730278
SLC35G4	solute carrier family 35, member G4	-1.688280985	1.688280985	down	0.007987865	0.449845949
SLC35G5	solute carrier family 35 member G5	-1.688280985	1.688280985	down	0.007987865	0.449845949
TMEM133	transmembrane protein 133	-1.688444825	1.688444825	down	0.000179146	0.089266768
TRMT2B	tRNA methyltransferase 2 homolog B	-1.688468232	1.688468232	down	0.001236068	0.240074176
FAM187B	family with sequence similarity 187 member B	-1.688678909	1.688678909	down	0.027265155	0.568317266
SEBOX	SEBOX homeobox	-1.688753043	1.688753043	down	0.036651466	0.604603394
ZBTB44	zinc finger and BTB domain containing 44	-1.689279875	1.689279875	down	0.034410128	0.596656508
SYT4	synaptotagmin 4	-1.689564822	1.689564822	down	0.04702339	0.627322764
LOC100506403	uncharacterized LOC100506403	-1.689924003	1.689924003	down	0.010591468	0.486801343
RUNX1	runt-related transcription factor 1	-1.689924003	1.689924003	down	0.010591468	0.486801343
LINC01270	long intergenic non-protein coding RNA 1270	-1.689966954	1.689966954	down	0.033484814	0.593014207
ANO1	anoctamin 1, calcium activated chloride channel	-1.690111432	1.690111432	down	0.000286805	0.123163556
CH17-251M24.1	uncharacterized LOC644767	-1.690298882	1.690298882	down	0.013113154	0.508746116
HNRNPK	heterogeneous nuclear ribonucleoprotein K	-1.69042386	1.69042386	down	0.005803949	0.409879029
TCERG1L	transcription elongation regulator 1 like	-1.690638687	1.690638687	down	0.029419291	0.576629742
GZF1	GDNF-inducible zinc finger protein 1	-1.690748065	1.690748065	down	0.013276324	0.509292857
MTDH	metadherin	-1.690935585	1.690935585	down	0.006070049	0.414619018
UCHL1	ubiquitin C-terminal hydrolase L1	-1.691279426	1.691279426	down	0.032894384	0.590894404
LZTS1	leucine zipper, putative tumor suppressor 1	-1.691932136	1.691932136	down	0.026897086	0.568317266
IGF1	insulin like growth factor 1	-1.692761088	1.692761088	down	0.041881276	0.623333169
TMEM53	transmembrane protein 53	-1.692901894	1.692901894	down	0.01670342	0.528561191
ZFP69	ZFP69 zinc finger protein	-1.693539577	1.693539577	down	0.028357687	0.57421459
BTNL9	butyrophilin-like 9	-1.694216646	1.694216646	down	0.042508105	0.623333169
MED24	mediator complex subunit 24	-1.69445153	1.69445153	down	0.016836014	0.530351036
FAAP100	Fanconi anemia core complex associated protein 100	-1.694690363	1.694690363	down	0.020579365	0.549146
CELP	carboxyl ester lipase pseudogene	-1.694901817	1.694901817	down	0.047692724	0.627854743
SEPT6	septin 6	-1.697186415	1.697186415	down	0.026949307	0.568317266
RAD1	RAD1 checkpoint DNA exonuclease	-1.697260922	1.697260922	down	0.013922637	0.511949108
CLDN2	claudin 2	-1.697300137	1.697300137	down	0.017734132	0.532517378
VAV3	vav guanine nucleotide exchange factor 3	-1.69739818	1.69739818	down	0.015321266	0.520381065
TBC1D23	TBC1 domain family member 23	-1.697864941	1.697864941	down	0.001192955	0.237175216
PDZD2	PDZ domain containing 2	-1.697951247	1.697951247	down	0.010069374	0.480015301
EIF5	eukaryotic translation initiation factor 5	-1.699124659	1.699124659	down	0.040720111	0.623259064
FUK	fucokinase	-1.699489799	1.699489799	down	0.009106089	0.466623412

LAMA3	laminin subunit alpha 3	-1.699623311	1.699623311	down	1.34921E-05	0.01517475
CTSC	cathepsin C	-1.700499249	1.700499249	down	0.020861716	0.549146
GPRIN3	GPRIN family member 3	-1.700754653	1.700754653	down	0.039797867	0.61971639
ADAMTSL1	ADAMTS like 1	-1.700939353	1.700939353	down	0.022185888	0.550353494
TOR1AIP2	torsin A interacting protein 2	-1.701124073	1.701124073	down	0.002673213	0.315760691
AHNAK2	AHNAK nucleoprotein 2	-1.701230198	1.701230198	down	0.014490568	0.515525808
CCDC163P	coiled-coil domain containing 163, pseudogene	-1.701324537	1.701324537	down	0.013904403	0.511949108
S100A9	S100 calcium binding protein A9	-1.701583996	1.701583996	down	0.000405568	0.144894892
MTFMT	mitochondrial methionyl-tRNA formyltransferase	-1.70192607	1.70192607	down	0.021665428	0.550085548
MED13	mediator complex subunit 13	-1.703058945	1.703058945	down	0.00100368	0.218262407
RECK	reversion-inducing-cysteine-rich protein with kazal motifs	-1.704074452	1.704074452	down	0.035385253	0.600698736
ORAOV1	oral cancer overexpressed 1	-1.704283139	1.704283139	down	0.041324165	0.623333169
LAMB3	laminin subunit beta 3	-1.704503666	1.704503666	down	3.81348E-06	0.006254904
C10orf12	chromosome 10 open reading frame 12	-1.705133901	1.705133901	down	0.01121595	0.489992559
HECW2	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	-1.705421523	1.705421523	down	0.012455671	0.503406041
ABCC4	ATP binding cassette subfamily C member 4	-1.706182182	1.706182182	down	0.002713182	0.315798154
MTCH1	mitochondrial carrier 1	-1.706367472	1.706367472	down	0.024293745	0.563333857
PRSS45	protease, serine 45	-1.706722338	1.706722338	down	0.038703891	0.613615561
SEMA6D	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semanhorin) 6D	-1.707850513	1.707850513	down	0.022529094	0.551250506
KCNGB4	potassium channel, voltage gated modifier subfamily G, member 4	-1.708095181	1.708095181	down	0.043232677	0.623333169
HMBOX1	homeobox containing 1	-1.70814254	1.70814254	down	0.036677071	0.604603394
AMIGO1	adhesion molecule with Ig-like domain 1	-1.709058408	1.709058408	down	0.02345077	0.556778981
EHD2	EH domain containing 2	-1.709970815	1.709970815	down	0.003889604	0.353492125
ZCCHC13	zinc finger, CCHC domain containing 13	-1.710943006	1.710943006	down	0.016599467	0.526872128
ATP6V1C2	ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C2	-1.711105092	1.711105092	down	0.017340017	0.531030242
FOXL2	forkhead box L2	-1.712129353	1.712129353	down	0.019619904	0.546981245
GBF1	golgi brefeldin A resistant guanine nucleotide exchange factor 1	-1.712224296	1.712224296	down	0.015757194	0.522063677
GRASP	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	-1.71274262	1.71274262	down	0.004240514	0.362099428
FRAT1	frequently rearranged in advanced T-cell lymphomas 1	-1.712762407	1.712762407	down	0.026706381	0.568317266
RIMS2	regulating synaptic membrane exocytosis 2	-1.713862896	1.713862896	down	0.005276254	0.396373556
LAMC2	laminin subunit gamma 2	-1.714373794	1.714373794	down	0.006138313	0.414771056
LIN54	lin-54 DREAM MuvB core complex component	-1.715293003	1.715293003	down	0.033920452	0.594514074
RIPK1	receptor interacting serine/threonine kinase 1	-1.715574411	1.715574411	down	0.003042843	0.326391956
RASGRF2	Ras protein specific guanine nucleotide releasing factor 2	-1.717236055	1.717236055	down	0.018214853	0.536306821
ABLIM1	actin binding LIM protein 1	-1.717497941	1.717497941	down	0.006175818	0.414771056
NR1D1	nuclear receptor subfamily 1 group D member 1	-1.717755897	1.717755897	down	0.040696863	0.623259064
THRA	thyroid hormone receptor, alpha	-1.717755897	1.717755897	down	0.040696863	0.623259064
GAN	gigaxonin	-1.718073435	1.718073435	down	0.002548846	0.309987919
IL23A	interleukin 23, alpha subunit p19	-1.718823852	1.718823852	down	0.001252626	0.240074176
KIAA1462	KIAA1462	-1.719089951	1.719089951	down	0.017469118	0.531030242
ABCA1	ATP binding cassette subfamily A member 1	-1.719264726	1.719264726	down	0.024546573	0.563613185
ZNF674	zinc finger protein 674	-1.719701739	1.719701739	down	0.033743866	0.593014207
KRBOX4	KRAB box domain containing 4	-1.719701739	1.719701739	down	0.033743866	0.593014207
HOXA4	homeobox A4	-1.720313745	1.720313745	down	0.01913876	0.541887884
RAD52	RAD52 homolog, DNA repair protein	-1.721271931	1.721271931	down	0.010672442	0.487945041
LHX1	LIM homeobox 1	-1.721387267	1.721387267	down	0.00031181	0.127858332
HIST1H1D	histone cluster 1, H1d	-1.723090372	1.723090372	down	0.011209625	0.489992559
TALDO1	transaldolase 1	-1.724384742	1.724384742	down	0.045176838	0.624555255
HCN3	hyperpolarization activated cyclic nucleotide gated potassium channel 3	-1.725125958	1.725125958	down	0.017515598	0.531030242
FSTL3	folliculin-like 3 (secreted glycoprotein)	-1.725137916	1.725137916	down	0.010634129	0.486801343
INSIG1	insulin induced gene 1	-1.725221622	1.725221622	down	0.000479783	0.154312327
VIM	vimentin	-1.72641388	1.72641388	down	5.23891E-06	0.007931918
BMPER	BMP binding endothelial regulator	-1.72648967	1.72648967	down	0.013953243	0.511949108
KRT6B	keratin 6B, type II	-1.726673176	1.726673176	down	3.07482E-05	0.02881915

KRT6C	keratin 6C, type II	-1.726673176	1.726673176	down	3.07482E-05	0.02881915
FAM71C	family with sequence similarity 71 member C	-1.72694049	1.72694049	down	0.010843869	0.488995826
UBQLNL	ubiquilin-like	-1.728417451	1.728417451	down	0.011699689	0.495320532
CACTIN	cactin, spliceosome C complex subunit	-1.728521285	1.728521285	down	0.007350829	0.437407205
ITGBL1	integrin beta like 1	-1.729795755	1.729795755	down	0.017977751	0.535584855
TMC5	transmembrane channel like 5	-1.729975615	1.729975615	down	0.021597807	0.550085548
FER	fer (fps/fes related) tyrosine kinase	-1.730031575	1.730031575	down	0.01237943	0.503186668
HINT1	histidine triad nucleotide binding protein 1	-1.732043347	1.732043347	down	0.024526473	0.563613185
CCDC107	coiled-coil domain containing 107	-1.732615709	1.732615709	down	0.001552191	0.251952305
EMILIN3	elastin microfibril interfacer 3	-1.733184255	1.733184255	down	0.012947765	0.507494586
FKSG29	FKSG29	-1.733380487	1.733380487	down	0.031328563	0.586144908
PAPPA	pregnancy-associated plasma protein A, pappalysin 1	-1.734365987	1.734365987	down	0.024903449	0.56554526
UBASH3B	ubiquitin associated and SH3 domain containing B	-1.734390031	1.734390031	down	0.001063355	0.221476037
TSC22D4	TSC22 domain family member 4	-1.735612685	1.735612685	down	0.015046934	0.516932843
DAW1	dynein assembly factor with WDR repeat domains 1	-1.737229515	1.737229515	down	0.028805971	0.574350948
CENPC	centromere protein C	-1.739599303	1.739599303	down	0.009083123	0.466623412
NTRK2	neurotrophic tyrosine kinase, receptor, type 2	-1.7396194	1.7396194	down	0.017542327	0.531030242
RAPGEF3	Rap guanine nucleotide exchange factor 3	-1.74051193	1.74051193	down	0.003998446	0.357261063
SGK1	serum/glucocorticoid regulated kinase 1	-1.740821608	1.740821608	down	0.000636128	0.184765442
NRP2	neuropilin 2	-1.741099158	1.741099158	down	0.008381018	0.4606964
DEFB103B	defensin beta 103B	-1.741481366	1.741481366	down	0.019560668	0.546194159
DEFB103A	defensin beta 103A	-1.741481366	1.741481366	down	0.019560668	0.546194159
PRRX1	paired related homeobox 1	-1.741771094	1.741771094	down	0.013769371	0.511408446
SLC30A10	solute carrier family 30, member 10	-1.742089047	1.742089047	down	0.042344802	0.623333169
HIRA	histone cell cycle regulator	-1.742153449	1.742153449	down	0.013075685	0.508746116
SLC25A35	solute carrier family 25, member 35	-1.744529954	1.744529954	down	0.023766964	0.560818064
ZNF169	zinc finger protein 169	-1.746554549	1.746554549	down	0.043117439	0.623333169
OAS3	2'-5'-oligoadenylate synthetase 3	-1.747365853	1.747365853	down	0.008840107	0.466623412
NXPE3	neurexophilin and PC-esterase domain family member 3	-1.74814522	1.74814522	down	0.033487151	0.593014207
TSC2	tuberous sclerosis 2	-1.748621896	1.748621896	down	0.025065634	0.565551322
GPC2	glypican 2	-1.751282352	1.751282352	down	0.013903134	0.511949108
FMNL2	formin like 2	-1.752294225	1.752294225	down	0.02977225	0.578757844
ATM	ATM serine/threonine kinase	-1.752840879	1.752840879	down	0.007286479	0.437407205
ETV7	ets variant 7	-1.75487512	1.75487512	down	0.007389198	0.437407205
ZNF451	zinc finger protein 451	-1.755572653	1.755572653	down	0.000406421	0.144894892
S1PR1	sphingosine-1-phosphate receptor 1	-1.757435452	1.757435452	down	0.000832386	0.199221133
ELK3	ELK3, ETS-domain protein (SRF accessory protein 2)	-1.75774408	1.75774408	down	0.022671779	0.551250506
CSTF2T	cleavage stimulation factor, 3' pre-RNA, subunit 2, tau variant	-1.758341186	1.758341186	down	0.002030679	0.281470725
ZNF182	zinc finger protein 182	-1.758487446	1.758487446	down	0.048024149	0.627854743
IL1R2	interleukin 1 receptor, type II	-1.758686543	1.758686543	down	3.79073E-05	0.03174936
SLC22A11	solute carrier family 22 (organic anion/urate transporter), member 11	-1.759166093	1.759166093	down	0.040563047	0.623005985
ERVK-4	endogenous retrovirus group K, member 4	-1.759544136	1.759544136	down	0.020772866	0.549146
MDM4	MDM4, p53 regulator	-1.759592921	1.759592921	down	0.04690922	0.627322764
BCAP29	B-cell receptor-associated protein 29	-1.759723023	1.759723023	down	0.004542286	0.373292465
TBKBP1	TBK1 binding protein 1	-1.75999952	1.75999952	down	0.005378971	0.401028801
APOA5	apolipoprotein A-V	-1.764918669	1.764918669	down	0.00752849	0.441010426
MMP1	matrix metalloproteinase 1	-1.765718104	1.765718104	down	0.015015063	0.516932843
KRT6A	keratin 6A, type II	-1.766330161	1.766330161	down	0.000106223	0.064987588
ERVK-6	endogenous retrovirus group K, member 6	-1.770182824	1.770182824	down	0.020014934	0.549146
CTBP1-AS2	CTBP1 antisense RNA 2 (head to head)	-1.772609851	1.772609851	down	0.007011794	0.432539346
ALCAM	activated leukocyte cell adhesion molecule	-1.774900769	1.774900769	down	0.009801215	0.477233577
RAD23B	RAD23 homolog B, nucleotide excision repair protein	-1.778377625	1.778377625	down	0.043218026	0.623333169
HBEGF	heparin-binding EGF-like growth factor	-1.778994071	1.778994071	down	0.005794632	0.409879029
MFAP5	microfibrillar associated protein 5	-1.780519664	1.780519664	down	0.00027954	0.122267645

KCND2	potassium channel, voltage gated Shal related subfamily D, member 2	-1.781169775	1.781169775	down	0.012668162	0.50525046
ATAD3C	ATPase family, AAA domain containing 3C	-1.782347162	1.782347162	down	0.004327665	0.364793404
NHLRC1	NHL repeat containing E3 ubiquitin protein ligase 1	-1.782623095	1.782623095	down	0.005524612	0.401886731
ZDHHC22	zinc finger, DHHC-type containing 22	-1.782635452	1.782635452	down	0.044804063	0.623333169
KISS1	KISS-1 metastasis-suppressor	-1.784139434	1.784139434	down	0.002560129	0.310090651
NUFIP2	nuclear fragile X mental retardation protein interacting protein 2	-1.785504416	1.785504416	down	0.000752325	0.195840366
AGER	advanced glycosylation end product-specific receptor	-1.786808516	1.786808516	down	0.010503862	0.486801343
ZNF689	zinc finger protein 689	-1.786928244	1.786928244	down	0.003552702	0.34616393
ZNF768	zinc finger protein 768	-1.788187935	1.788187935	down	0.003710759	0.349787905
GTF2H4	general transcription factor IIH subunit 4	-1.788869778	1.788869778	down	0.022019621	0.550085548
HCK	HCK proto-oncogene, Src family tyrosine kinase	-1.792982867	1.792982867	down	0.017470885	0.531030242
UPF3A	UPF3 regulator of nonsense transcripts homolog A (yeast)	-1.793069865	1.793069865	down	0.00635643	0.417034806
NCAPG	non-SMC condensin I complex subunit G	-1.793596087	1.793596087	down	0.005110288	0.392367316
TNFRSF8	tumor necrosis factor receptor superfamily member 8	-1.793977383	1.793977383	down	0.005881301	0.411220967
COG5	component of oligomeric golgi complex 5	-1.7942717	1.7942717	down	0.022651155	0.551250506
ANKRD16	ankyrin repeat domain 16	-1.796619672	1.796619672	down	0.021147581	0.549146
ATXN7L3	ataxin 7-like 3	-1.797225831	1.797225831	down	0.002097261	0.287025087
SPANXC	SPANX family member C	-1.797906966	1.797906966	down	0.014799535	0.515560792
SPANXD	SPANX family member D	-1.797906966	1.797906966	down	0.014799535	0.515560792
SCEL	sciellin	-1.802369788	1.802369788	down	0.00565172	0.402842701
XPR1	xenotropic and polytropic retrovirus receptor 1	-1.80312786	1.80312786	down	0.007718298	0.44458454
ATP4A	ATPase, H+/K+ exchanging, alpha polypeptide	-1.806084053	1.806084053	down	0.003921513	0.354060426
ADAM8	ADAM metallopeptidase domain 8	-1.809442215	1.809442215	down	0.002117675	0.288450795
MRPL30	mitochondrial ribosomal protein L30	-1.809818517	1.809818517	down	0.000104422	0.064987588
INHBE	inhibin beta E	-1.814470208	1.814470208	down	0.005008107	0.38925276
COL13A1	collagen, type XIII, alpha 1	-1.819478541	1.819478541	down	0.002386652	0.300161496
TAB3	TGF-beta activated kinase 1/MAP3K7 binding protein 3	-1.822676302	1.822676302	down	0.001483712	0.250769966
CD44	CD44 molecule (Indian blood group)	-1.82469462	1.82469462	down	6.14447E-05	0.047426848
IL1A	interleukin 1 alpha	-1.826381776	1.826381776	down	0.003030825	0.326391956
ZNF609	zinc finger protein 609	-1.82755949	1.82755949	down	0.004211545	0.361725211
KIF5A	kinesin family member 5A	-1.828484465	1.828484465	down	0.004712566	0.377936677
CFDP1	craniofacial development protein 1	-1.834552726	1.834552726	down	0.004978135	0.388818027
MMP7	matrix metallopeptidase 7	-1.834662936	1.834662936	down	0.017824814	0.533998325
C1orf56	chromosome 1 open reading frame 56	-1.838154929	1.838154929	down	0.037750238	0.610579997
NEK10	NIMA-related kinase 10	-1.840543315	1.840543315	down	0.002172339	0.288675084
GTF2H3	general transcription factor IIH subunit 3	-1.860940208	1.860940208	down	2.27211E-05	0.022933764
TUBB7P	tubulin, beta 7, pseudogene	-1.864111775	1.864111775	down	0.000746395	0.195840366
TUBB8P7	tubulin, beta 8 class VIII pseudogene 7	-1.864111775	1.864111775	down	0.000746395	0.195840366
TUBBP5	tubulin, beta pseudogene 5	-1.864111775	1.864111775	down	0.000746395	0.195840366
TUBB8	tubulin, beta 8 class VIII	-1.864111775	1.864111775	down	0.000746395	0.195840366
STRIP2	striatin interacting protein 2	-1.883690187	1.883690187	down	1.06243E-05	0.013770362
SPINK6	serine peptidase inhibitor, Kazal type 6	-1.892585358	1.892585358	down	2.34472E-06	0.004570538
TNN	tenascin N	-1.914279782	1.914279782	down	0.001672333	0.255663523
RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	-1.918610294	1.918610294	down	0.026067177	0.567622316
PPP2R2C	protein phosphatase 2 regulatory subunit B, gamma	-1.92648155	1.92648155	down	0.000302622	0.125397133
SCD	stearyl-CoA desaturase (delta-9-desaturase)	-1.978442362	1.978442362	down	2.83632E-06	0.005075078
GNB4	guanine nucleotide binding protein (G protein), beta polypeptide 4	-2.004156314	2.004156314	down	0.006701362	0.42771383
ETS1	v-ets avian erythroblastosis virus E26 oncogene homolog 1	-2.017383042	2.017383042	down	0.013243848	0.509292857
TLDC2	TBC/LysM-associated domain containing 2	-2.029125882	2.029125882	down	0.002403639	0.301335237
APOL6	apolipoprotein L, 6	-2.099692949	2.099692949	down	3.75665E-05	0.03174936
RAB11FIP4	RAB11 family interacting protein 4 (class II)	-2.194859162	2.194859162	down	1.33265E-06	0.003085865
EI24	etoposide induced 2.4	-2.669830901	2.669830901	down	1.42374E-11	1.58366E-07