

Supplemental Table 2: GSEA input

All genes significantly correlated (uncorrected $p \leq 0.05$) with Hp1bp3 in the hippocampus of aged BXD strains.

The genes were ranked according to correlation coefficient and used for Gene Set Enrichment Analysis according to established methods.

Gene	Gene Description	Correlation
HP1BP3	heterochromatin protein 1, binding protein 3	0.8579148
PLA2G2F	phospholipase A2, group IIF	0.6984394
CAPZB	capping protein (actin filament) muscle Z-line, beta	0.66008663
KIF17	kinesin family member 17	0.57588524
SDHB	succinate dehydrogenase complex, subunit B, iron sulfur (lp)	0.5606214
PADI2	peptidyl arginine deiminase, type II	0.55717087
DHDDS	dehydrodolichyl diphosphate synthase	0.54540735
CAMK2N1	calcium/calmodulin-dependent protein kinase II inhibitor 1	0.5314004
HDAC1	histone deacetylase 1	0.5175139
C1QC	complement component 1, q subcomponent, C chain	0.48624116
RAB11FIP2	RAB11 family interacting protein 2 (class I)	0.4737563
PLCH1	phospholipase C, eta 1	0.47232085
MFAP2	microfibrillar-associated protein 2	0.47198358
CROCC	ciliary rootlet coiled-coil, rootletin	0.4684605
PPP2R3A	protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha	0.4578067
PANK3	pantothenate kinase 3	0.45717707
MANBA	mannosidase, beta A, lysosomal	0.45660496
PNRC2	proline-rich nuclear receptor coactivator 2	0.45635927
SLC6A15	solute carrier family 6, member 15	0.4513146
EPS8L3	EPS8-like 3	0.44891986
PINK1	PTEN induced putative kinase 1	0.44791606
CDC42	cell division cycle 42 (GTP binding protein, 25kDa)	0.44660467
AP3S1	adaptor-related protein complex 3, sigma 1 subunit	0.43659365
FUNDC2	FUN14 domain containing 2	0.43624902
HINT3	histidine triad nucleotide binding protein 3	0.4331968
KCTD20	potassium channel tetramerisation domain containing 20	0.4307118
EIF4G3	eukaryotic translation initiation factor 4 gamma, 3	0.42829353
CDV3	CDV3 homolog (mouse)	0.42622015
CTNS	cystinosis, nephropathic	0.42465246
TTC5	tetratricopeptide repeat domain 5	0.4245357
NOL8	nucleolar protein 8	0.42390552
RAB23	RAB23, member RAS oncogene family	0.42217603
EEA1	early endosome antigen 1, 162kD	0.41947633
TBC1D5	TBC1 domain family, member 5	0.41940942
FUCA2	fucosidase, alpha-L- 2, plasma	0.4177752
CHIC1	cysteine-rich hydrophobic domain 1	0.41714367
AGXT2L1	alanine-glyoxylate aminotransferase 2-like 1	0.4156165
SYCP3	synaptonemal complex protein 3	0.41326925
MAPK9	mitogen-activated protein kinase 9	0.41272947
WDR26	WD repeat domain 26	0.41041288
TBC1D15	TBC1 domain family, member 15	0.41041178
PPIG	peptidylprolyl isomerase G (cyclophilin G)	0.40446344
EIF2A	eukaryotic translation initiation factor 2A, 65kDa	0.40371037
PRKAR2A	protein kinase, cAMP-dependent, regulatory, type II, alpha	0.40361297
LRR58	leucine rich repeat containing 58	0.40310004
RIF1	RAP1 interacting factor homolog (yeast)	0.40276325
STYX	serine/threonine/tyrosine interacting protein	0.40271467
ACVR2A	activin A receptor, type IIA	0.40247753
SCYL2	SCY1-like 2 (S. cerevisiae)	0.40208164
ARID4B	AT rich interactive domain 4B (RBP1- like)	0.40195307
PHF16	PHD finger protein 16	0.39980793
AMOT	angiominin	0.39950195
INSR	insulin receptor	0.39906424
ADNP	activity-dependent neuroprotector	0.39866853
TLK2	tousled-like kinase 2	0.3968148
PLEKHM2	pleckstrin homology domain containing, family M (with RUN domain) n	0.3967789
CLPX	ClpX caseinolytic peptidase X homolog (E. coli)	0.3965721
RABEP1	rabaptin, RAB GTPase binding effector protein 1	0.39611432
SETD5	SET domain containing 5	0.39603972
LMBR1	limb region 1 homolog (mouse)	0.39472234
GLCE	UDP-glucuronic acid epimerase	0.39380646
HMGCS2	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)	0.39335257

SLC30A4	solute carrier family 30 (zinc transporter), member 4	0.39256883
ARCN1	archain 1	0.39256552
PAK2	p21 (CDKN1A)-activated kinase 2	0.3903735
MAP3K6	mitogen-activated protein kinase kinase kinase 6	0.38976797
SEC22B	SEC22 vesicle trafficking protein homolog B (S. cerevisiae)	0.3894074
ZMYM4	zinc finger, MYM-type 4	0.3893815
YTHDF3	YTH domain family, member 3	0.3877975
SMAP1	stromal membrane-associated protein 1	0.38705546
FGD6	FYVE, RhoGEF and PH domain containing 6	0.38601777
SULT1A1	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1	0.38571334
RGS17	regulator of G-protein signalling 17	0.3856158
GCC2	GRIP and coiled-coil domain containing 2	0.38553172
MIA3	melanoma inhibitory activity family, member 3	0.38551843
ATP13A3	ATPase type 13A3	0.38372323
UBE2H	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)	0.38313782
CAMK2D	calcium/calmodulin-dependent protein kinase (CaM kinase) II delta	0.38176692
NCAM2	neural cell adhesion molecule 2	0.38102573
CTPS	CTP synthase	0.38065508
SDC2	syndecan 2 (heparan sulfate proteoglycan 1, cell surface-associated, 1	0.3804049
FSD1L	fibronectin type III and SPRY domain containing 1-like	0.38021028
ZC3H14	zinc finger CCCH-type containing 14	0.3800585
ZDHHC13	zinc finger, DHHC-type containing 13	0.37995523
FAM73A	family with sequence similarity 73, member A	0.3779056
RDX	radixin	0.37783608
SELT	-	0.37768385
SETD2	SET domain containing 2	0.377501
PHC3	polyhomeotic homolog 3 (Drosophila)	0.37685958
UBIAD1	UbiA prenyltransferase domain containing 1	0.37661085
ALDH4A1	aldehyde dehydrogenase 4 family, member A1	0.37607363
CSNK2A1	casein kinase 2, alpha 1 polypeptide	0.37574407
LSM14A	LSM14 homolog A (SCD6, S. cerevisiae)	0.37571216
TERF1	telomeric repeat binding factor (NIMA-interacting) 1	0.37569445
NIPA1	non imprinted in Prader-Willi/Angelman syndrome 1	0.3746634
CHD8	chromodomain helicase DNA binding protein 8	0.3743785
TRPS1	trichorhinophalangeal syndrome I	0.37418172
CORO2A	coronin, actin binding protein, 2A	0.37391958
FASTKD1	FAST kinase domains 1	0.37368846
C1GALT1	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosy	0.37347373
FBXO11	F-box protein 11	0.3733838
AK3	adenylate kinase 3	0.37335628
KLHL24	kelch-like 24 (Drosophila)	0.37335527
HOOK3	hook homolog 3 (Drosophila)	0.37284023
IMMT	inner membrane protein, mitochondrial (mitofilin)	0.37260312
VBP1	von Hippel-Lindau binding protein 1	0.3725277
EHBP1	EH domain binding protein 1	0.37209725
RER1	RER1 retention in endoplasmic reticulum 1 homolog (S. cerevisiae)	0.37156767
FAM63B	family with sequence similarity 63, member B	0.37099814
ACP1	acid phosphatase 1, soluble	0.37050146
ABCA5	ATP-binding cassette, sub-family A (ABC1), member 5	0.37027535
CSPP1	centrosome and spindle pole associated protein 1	0.37015575
KIF18A	kinesin family member 18A	0.36959285
DAPP1	dual adaptor of phosphotyrosine and 3-phosphoinositides	0.36938316
RSF1	remodeling and spacing factor 1	0.36915925
TOP2B	topoisomerase (DNA) II beta 180kDa	0.36884174
CCDC58	coiled-coil domain containing 58	0.36877757
PPARGC1A	peroxisome proliferative activated receptor, gamma, coactivator 1, alp	0.3684476
FRS2	fibroblast growth factor receptor substrate 2	0.36828727
YES1	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	0.36817232
TBPL1	TBP-like 1	0.36791506
PHF10	PHD finger protein 10	0.36715853
SMURF2	SMAD specific E3 ubiquitin protein ligase 2	0.3659489
OSMR	oncostatin M receptor	0.36584595
GOLPH3L	golgi phosphoprotein 3-like	0.36540362
KIAA1033	KIAA1033	0.36496264
MECP2	methyl CpG binding protein 2 (Rett syndrome)	0.36478463
PHF14	PHD finger protein 14	0.36465827
WDR25	WD repeat domain 25	0.36446267

CBX3	chromobox homolog 3 (HP1 gamma homolog, Drosophila)	0.36415946
G3BP2	-	0.36400095
RPL34	ribosomal protein L34	0.36381197
MPV17L	MPV17 mitochondrial membrane protein-like	0.36329624
SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chr	0.3631484
CNTN3	contactin 3 (plasmacytoma associated)	0.36266315
USP51	ubiquitin specific peptidase 51	0.362595
SPAST	spastin	0.36255568
TOP1	topoisomerase (DNA) I	0.36224717
WEE1	WEE1 homolog (S. pombe)	0.3612398
MAPK8	mitogen-activated protein kinase 8	0.36092213
NCBP2	nuclear cap binding protein subunit 2, 20kDa	0.3607216
IREB2	iron-responsive element binding protein 2	0.36018062
PCYT1B	phosphate cytidylyltransferase 1, choline, beta	0.3600537
PA2G4	proliferation-associated 2G4, 38kDa	0.35966524
ELMO1	engulfment and cell motility 1	0.35894492
NT5DC2	5'-nucleotidase domain containing 2	0.35891974
MAN1A2	mannosidase, alpha, class 1A, member 2	0.35883766
PPA2	pyrophosphatase (inorganic) 2	0.3584906
KPNB1	karyopherin (importin) beta 1	0.35794973
SEPHS1	selenophosphate synthetase 1	0.35784563
ZBTB44	zinc finger and BTB domain containing 44	0.35755754
CEP70	centrosomal protein 70kDa	0.357075
RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1	0.35700414
CEP290	centrosomal protein 290kDa	0.35684985
YIPF6	Yip1 domain family, member 6	0.35651737
B4GALT4	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 4	0.35644394
LYPLA1	lysophospholipase I	0.35624853
GPC5	glypican 5	0.35622805
ST3GAL5	ST3 beta-galactoside alpha-2,3-sialyltransferase 5	0.35612717
EI24	etoposide induced 2.4 mRNA	0.35536164
NUP153	nucleoporin 153kDa	0.3552468
ARMCX5	armadillo repeat containing, X-linked 5	0.35511187
LRFN5	leucine rich repeat and fibronectin type III domain containing 5	0.35456395
BTF3L4	basic transcription factor 3-like 4	0.35432598
HDGFRP3	-	0.3539948
GNL2	guanine nucleotide binding protein-like 2 (nucleolar)	0.3532382
IFT74	intraflagellar transport 74 homolog (Chlamydomonas)	0.35320315
PRKRIR	protein-kinase, interferon-inducible double stranded RNA dependent ir	0.35310954
KIF5B	kinesin family member 5B	0.3529744
RBM27	RNA binding motif protein 27	0.3529633
SUMO3	SMT3 suppressor of mif two 3 homolog 3 (S. cerevisiae)	0.35292846
PEX1	peroxisome biogenesis factor 1	0.35285613
TPR	translocated promoter region (to activated MET oncogene)	0.35252804
DDX3X	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked	0.35251623
TAF4B	TAF4b RNA polymerase II, TATA box binding protein (TBP)-associate	0.35162565
PPP1R14C	protein phosphatase 1, regulatory (inhibitor) subunit 14C	0.35133007
RRM1	ribonucleotide reductase M1 polypeptide	0.35112512
MAN2A1	mannosidase, alpha, class 2A, member 1	0.35103258
INADL	InaD-like (Drosophila)	0.35064575
ANP32A	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	0.35031307
ROCK1	Rho-associated, coiled-coil containing protein kinase 1	0.3494624
USP47	ubiquitin specific peptidase 47	0.34930816
TM9SF3	transmembrane 9 superfamily member 3	0.34927714
DENR	density-regulated protein	0.34892708
SFT2D3	SFT2 domain containing 3	0.34880397
CPM	carboxypeptidase M	0.34839538
ARMCX4	armadillo repeat containing, X-linked 4	0.348317
FAM91A1	family with sequence similarity 91, member A1	0.34814844
CTPS2	CTP synthase II	0.34785503
CASC4	cancer susceptibility candidate 4	0.34775692
CCAR1	cell division cycle and apoptosis regulator 1	0.3475096
CNOT6L	CCR4-NOT transcription complex, subunit 6-like	0.34734055
KRAS	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	0.34725353
XPR1	xenotropic and polytropic retrovirus receptor	0.3467873
GOLGA4	golgi autoantigen, golgin subfamily a, 4	0.3465946
EID1	EP300 interacting inhibitor of differentiation 1	0.34654227

LONRF3	LON peptidase N-terminal domain and ring finger 3	0.3464534
ALDH3A2	aldehyde dehydrogenase 3 family, member A2	0.34637693
SNX27	sorting nexin family member 27	0.3457455
PQLC2	PQ loop repeat containing 2	0.34569716
ITGB3BP	integrin beta 3 binding protein (beta3-endonexin)	0.3456394
LNPEP	leucyl/cystinyl aminopeptidase	0.3455623
FBXO44	F-box protein 44	0.34550235
GALNT1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosam	0.34532884
MLL5	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Dro	0.3451122
HSF2	heat shock transcription factor 2	0.34475112
STMN1	stathmin 1/oncoprotein 18	0.34473598
TUBGCP5	tubulin, gamma complex associated protein 5	0.3446429
NDUFAF1	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly fa	0.34402207
KIF2A	kinesin heavy chain member 2A	0.34386772
SMCHD1	structural maintenance of chromosomes flexible hinge domain contain	0.3437583
NKRF	NF-kappaB repressing factor	0.34368563
ANAPC4	anaphase promoting complex subunit 4	0.34321147
IPO7	importin 7	0.34274998
RAB12	RAB12, member RAS oncogene family	0.34274122
TPMT	thiopurine S-methyltransferase	0.34264237
NTRK2	neurotrophic tyrosine kinase, receptor, type 2	0.3425202
ADAMTS9	ADAM metallopeptidase with thrombospondin type 1 motif, 9	0.34243032
PIGK	phosphatidylinositol glycan anchor biosynthesis, class K	0.34222344
TAF1	TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated	0.34206846
DDX25	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	0.34194773
VCL	vinculin	0.34154218
SLC25A16	solute carrier family 25 (mitochondrial carrier; Graves disease autoant	0.34124923
PIK3R1	phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha)	0.34108755
C1QL3	complement component 1, q subcomponent-like 3	0.34103402
OSBPL2	oxysterol binding protein-like 2	0.34095225
RTF1	Rtf1, Paf1/RNA polymerase II complex component, homolog (S. cerev	0.3407252
MID1	midline 1 (Opitz/BBB syndrome)	0.340512
ARHGEF19	Rho guanine nucleotide exchange factor (GEF) 19	0.34012523
TCEAL6	transcription elongation factor A (SII)-like 6	0.34012198
SOCS6	suppressor of cytokine signaling 6	0.33983895
ZCCHC11	zinc finger, CCHC domain containing 11	0.3397104
ALG10B	asparagine-linked glycosylation 10 homolog B (yeast, alpha-1,2-gluco	0.33929452
TARDBP	TAR DNA binding protein	0.33923817
ARL6IP5	ADP-ribosylation-like factor 6 interacting protein 5	0.33912742
BMI1	B lymphoma Mo-MLV insertion region (mouse)	0.33843553
GOSR2	golgi SNAP receptor complex member 2	0.33835968
GZF1	GDNF-inducible zinc finger protein 1	0.3378529
ZHX3	zinc fingers and homeoboxes 3	0.33784348
RASA2	RAS p21 protein activator 2	0.33754638
ZDHC17	zinc finger, DHC-type containing 17	0.33717218
PPP3R2	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, bet	0.33687356
SUZ12	suppressor of zeste 12 homolog (Drosophila)	0.33685896
TRIP11	thyroid hormone receptor interactor 11	0.33659935
TBK1	TANK-binding kinase 1	0.33658484
CEP170	centrosomal protein 170kDa	0.3365386
SOCS2	suppressor of cytokine signaling 2	0.33638555
PLAA	phospholipase A2-activating protein	0.33631566
COPS5	COP9 constitutive photomorphogenic homolog subunit 5 (Arabidopsis	0.33628333
UTP6	UTP6, small subunit (SSU) processome component, homolog (yeast)	0.33621377
ACBD5	acyl-Coenzyme A binding domain containing 5	0.3360578
PDPK1	3-phosphoinositide dependent protein kinase-1	0.3360374
NEK10	NIMA (never in mitosis gene a)- related kinase 10	0.33600122
ZC3H13	zinc finger CCCH-type containing 13	0.33575997
TBC1D12	TBC1 domain family, member 12	0.3357502
RAB18	RAB18, member RAS oncogene family	0.3356004
SUV420H1	suppressor of variegation 4-20 homolog 1 (Drosophila)	0.33546522
TTC1	tetratricopeptide repeat domain 1	0.33537033
EMR4	egf-like module containing, mucin-like, hormone receptor-like 4	0.33525845
EIF2AK4	eukaryotic translation initiation factor 2 alpha kinase 4	0.3351822
RANBP9	RAN binding protein 9	0.33512905
DENND4A	DENN/MADD domain containing 4A	0.33511925
RABGAP1	RAB GTPase activating protein 1	0.33496484

FUS	fusion (involved in t(12;16) in malignant liposarcoma)	0.33425853
LYRM5	LYR motif containing 5	0.33425763
NMD3	NMD3 homolog (S. cerevisiae)	0.3341319
TBL1XR1	transducin (beta)-like 1X-linked receptor 1	0.33401445
ZC3H6	zinc finger CCCH-type containing 6	0.33389592
TTC27	tetratricopeptide repeat domain 27	0.3338343
PPP1R13B	protein phosphatase 1, regulatory (inhibitor) subunit 13B	0.3337999
NRAS	neuroblastoma RAS viral (v-ras) oncogene homolog	0.3336179
SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1	0.333549
7-Mar	membrane-associated ring finger (C3HC4) 7	0.33353853
LGR4	leucine-rich repeat-containing G protein-coupled receptor 4	0.3331792
SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein	0.33290666
EPHA3	EPH receptor A3	0.33286884
ORC3L	origin recognition complex, subunit 3-like (yeast)	0.33286375
CGRRF1	cell growth regulator with ring finger domain 1	0.3327071
LEMD3	LEM domain containing 3	0.33238664
STRN3	striatin, calmodulin binding protein 3	0.3322506
HMGB3	high-mobility group box 3	0.3321438
SCAMP1	secretory carrier membrane protein 1	0.3320179
MTA3	metastasis associated 1 family, member 3	0.3319286
LZTFL1	leucine zipper transcription factor-like 1	0.33182013
RAD54L2	RAD54-like 2 (S. cerevisiae)	0.3317372
IDE	insulin-degrading enzyme	0.33166754
TUBE1	tubulin, epsilon 1	0.3312146
RPGR	retinitis pigmentosa GTPase regulator	0.33106405
GPR22	G protein-coupled receptor 22	0.33099023
LRRCC1	leucine rich repeat and coiled-coil domain containing 1	0.3308077
SDCCAG1	serologically defined colon cancer antigen 1	0.33077627
UBE2J2	ubiquitin-conjugating enzyme E2, J2 (UBC6 homolog, yeast)	0.330639
ADAMTS3	ADAM metallopeptidase with thrombospondin type 1 motif, 3	0.33055225
SOS1	son of sevenless homolog 1 (Drosophila)	0.33040792
SNHG1	small nucleolar RNA host gene (non-protein coding) 1	0.33038157
DIO2	deiodinase, iodothyronine, type II	0.33034322
ELMOD2	ELMO/CED-12 domain containing 2	0.33032215
CTAGE5	CTAGE family, member 5	0.32993275
CAMK2G	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma	0.32985228
AZIN1	antizyme inhibitor 1	0.32966104
CR1L	complement component (3b/4b) receptor 1-like	0.32964808
GMPS	guanine monphosphate synthetase	0.32963428
CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	0.32951912
ARL6IP6	ADP-ribosylation-like factor 6 interacting protein 6	0.32936463
TAX1BP1	Tax1 (human T-cell leukemia virus type I) binding protein 1	0.32915464
GOSR1	golgi SNAP receptor complex member 1	0.32910377
RTTN	rotatin	0.32898748
COX18	COX18 cytochrome c oxidase assembly homolog (S. cerevisiae)	0.328926
PGR	progesterone receptor	0.32884514
VPS4B	vacuolar protein sorting 4 homolog B (S. cerevisiae)	0.32866812
WAPAL	wings apart-like homolog (Drosophila)	0.3285321
CENPC1	centromere protein C 1	0.32848275
GRSF1	G-rich RNA sequence binding factor 1	0.32835183
EPC2	enhancer of polycomb homolog 2 (Drosophila)	0.32830015
ELAVL2	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen)	0.32817784
ZBTB25	zinc finger and BTB domain containing 25	0.32808012
HCFC2	host cell factor C2	0.32807624
E2F3	E2F transcription factor 3	0.32806426
FMR1	fragile X mental retardation 1	0.32801613
ME2	malic enzyme 2, NAD(+)-dependent, mitochondrial	0.32784525
B3GALNT1	beta-1,3-N-acetylgalactosaminyltransferase 1 (globoside blood group)	0.3278286
CHD7	chromodomain helicase DNA binding protein 7	0.32780197
HIF1A	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcr	0.3277243
TRIM23	tripartite motif-containing 23	0.32758173
MATR3	matrin 3	0.32721055
CUL4B	cullin 4B	0.32696533
CSN1S1	casein alpha s1	0.32693642
TRAPPC4	trafficking protein particle complex 4	0.32666993
MINPP1	multiple inositol polyphosphate histidine phosphatase, 1	0.32660386
BDP1	B double prime 1, subunit of RNA polymerase III transcription initiator	0.32637444

VAMP4	vesicle-associated membrane protein 4	0.32621434
LATS1	LATS, large tumor suppressor, homolog 1 (Drosophila)	0.32617554
TAOK1	TAO kinase 1	0.32597315
ACSL3	acyl-CoA synthetase long-chain family member 3	0.32596785
BMPR1A	bone morphogenetic protein receptor, type IA	0.32566535
PPM1K	protein phosphatase 1K (PP2C domain containing)	0.32553595
MAGI3	membrane associated guanylate kinase, WW and PDZ domain containi	0.325023
SKIL	SKI-like	0.32497823
PGAP1	-	0.32497185
TBL3	transducin (beta)-like 3	0.32492504
RARRES1	retinoic acid receptor responder (tazarotene induced) 1	0.32428446
ZDHHC6	zinc finger, DHHC-type containing 6	0.3241542
ERH	enhancer of rudimentary homolog (Drosophila)	0.32413724
NUCB2	nucleobindin 2	0.32388216
NRG3	neuregulin 3	0.32366583
ADIPOR2	adiponectin receptor 2	0.32358056
SOS2	son of sevenless homolog 2 (Drosophila)	0.32333195
C1QB	complement component 1, q subcomponent, B chain	0.32311633
LRRFIP2	leucine rich repeat (in FLII) interacting protein 2	0.3224432
MRPL32	mitochondrial ribosomal protein L32	0.3222131
WRN	Werner syndrome	0.32214192
MBOAT2	membrane bound O-acyltransferase domain containing 2	0.3221231
TIMM10	translocase of inner mitochondrial membrane 10 homolog (yeast)	0.3214737
SENP6	SUMO1/sentrin specific peptidase 6	0.32145235
MEF2D	MADS box transcription enhancer factor 2, polypeptide D (myocyte en	0.32126707
SYAP1	synapse associated protein 1, SAP47 homolog (Drosophila)	0.32125455
CCND3	cyclin D3	0.32120737
CCNE2	cyclin E2	0.32117623
NFXL1	nuclear transcription factor, X-box binding-like 1	0.32115433
RABGGTB	Rab geranylgeranyltransferase, beta subunit	0.32109126
AGGF1	angiogenic factor with G patch and FHA domains 1	0.32108068
EMX2	empty spiracles homolog 2 (Drosophila)	0.32056758
IDH1	isocitrate dehydrogenase 1 (NADP+), soluble	0.32056078
CCDC25	coiled-coil domain containing 25	0.3205115
EIF4A2	eukaryotic translation initiation factor 4A, isoform 2	0.3203802
CENPK	centromere protein K	0.32033575
PPP2R5C	protein phosphatase 2, regulatory subunit B (B56), gamma isoform	0.32026258
NME7	non-metastatic cells 7, protein expressed in (nucleoside-diphosphate t	0.32025686
ZKSCAN1	zinc finger with KRAB and SCAN domains 1	0.31958464
SLC44A5	solute carrier family 44, member 5	0.31951088
ZCCHC2	zinc finger, CCHC domain containing 2	0.3194658
SENP5	SUMO1/sentrin specific peptidase 5	0.31911537
MTMR12	myotubularin related protein 12	0.3188053
TXNL1	thioredoxin-like 1	0.31838703
WDR47	WD repeat domain 47	0.31837374
CEP76	centrosomal protein 76kDa	0.3182179
TRAM1	translocation associated membrane protein 1	0.318198
SMS	spermine synthase	0.31803665
PARN	poly(A)-specific ribonuclease (deadenylation nuclease)	0.31789348
CAPN7	calpain 7	0.31787705
STAU2	staufer, RNA binding protein, homolog 2 (Drosophila)	0.3178094
SEC63	SEC63 homolog (S. cerevisiae)	0.31755972
MYBL1	v-myb myeloblastosis viral oncogene homolog (avian)-like 1	0.3173798
BIVM	basic, immunoglobulin-like variable motif containing	0.3171875
DEK	DEK oncogene (DNA binding)	0.31718713
GLB1L	galactosidase, beta 1-like	0.3167827
TTC17	tetratricopeptide repeat domain 17	0.31672335
SLC41A2	solute carrier family 41, member 2	0.31657988
PHKA1	phosphorylase kinase, alpha 1 (muscle)	0.31633466
STT3A	STT3, subunit of the oligosaccharyltransferase complex, homolog A (S	0.31631276
SMU1	smu-1 suppressor of mec-8 and unc-52 homolog (C. elegans)	0.31606114
UNC5D	unc-5 homolog D (C. elegans)	0.31547064
SAMD12	sterile alpha motif domain containing 12	0.31535465
AP4E1	adaptor-related protein complex 4, epsilon 1 subunit	0.3150917
RDH11	retinol dehydrogenase 11 (all-trans/9-cis/11-cis)	0.31505165
SMG6	Smg-6 homolog, nonsense mediated mRNA decay factor (C. elegans)	0.31502408
HSD11B1	hydroxysteroid (11-beta) dehydrogenase 1	0.3149272

ZCCHC10	zinc finger, CCHC domain containing 10	0.31474575
TRPM7	transient receptor potential cation channel, subfamily M, member 7	0.31459048
LIMS1	LIM and senescent cell antigen-like domains 1	0.31450647
CDC27	cell division cycle 27	0.31447133
SMEK1	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	0.3142055
CSDE1	cold shock domain containing E1, RNA-binding	0.31416878
SMC3	structural maintenance of chromosomes 3	0.31402525
PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B	0.31398657
LPP	LIM domain containing preferred translocation partner in lipoma	0.31381398
USP7	ubiquitin specific peptidase 7 (herpes virus-associated)	0.3136151
FECH	ferrochelatase (protoporphyrin)	0.31326234
IFRD1	interferon-related developmental regulator 1	0.31324553
BCAS2	breast carcinoma amplified sequence 2	0.31310487
ZRSR1	zinc finger (CCCH type), RNA-binding motif and serine/arginine rich 1	0.31298864
PPP1R2	protein phosphatase 1, regulatory (inhibitor) subunit 2	0.31270704
HEPH	hephaestin	0.31255275
RSRC1	arginine/serine-rich coiled-coil 1	0.31229237
RAPGEF2	Rap guanine nucleotide exchange factor (GEF) 2	0.31218463
LRRC28	leucine rich repeat containing 28	0.3121812
LYAR	-	0.31215572
TSG101	tumor susceptibility gene 101	0.31185314
UBQLN2	ubiquilin 2	0.31171167
DNAJC13	DnaJ (Hsp40) homolog, subfamily C, member 13	0.3116424
AKAP9	A kinase (PRKA) anchor protein (yotiao) 9	0.31162402
B3GALT6	UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6	0.3113662
ZC3HC1	zinc finger, C3HC-type containing 1	0.31110692
CPEB3	cytoplasmic polyadenylation element binding protein 3	0.31046322
SPATA7	spermatogenesis associated 7	0.31035504
GPR126	G protein-coupled receptor 126	0.31005508
ANKRD32	ankyrin repeat domain 32	0.3100326
PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide	0.30999202
RC3H1	ring finger and CCCH-type zinc finger domains 1	0.30989483
BCL2L2	BCL2-like 2	0.3097843
WDR37	WD repeat domain 37	0.30970144
FAM19A2	family with sequence similarity 19 (chemokine (C-C motif)-like), memb	0.3096886
ALG6	asparagine-linked glycosylation 6 homolog (S. cerevisiae, alpha-1,3-gl	0.30916098
ACCN1	amiloride-sensitive cation channel 1, neuronal (degenerin)	0.30915508
NOL10	nucleolar protein 10	0.30913302
LACTB2	lactamase, beta 2	0.3089962
LIFR	leukemia inhibitory factor receptor alpha	0.3087591
MMP16	matrix metalloproteinase 16 (membrane-inserted)	0.3086264
CSNK2A2	casein kinase 2, alpha prime polypeptide	0.30829486
TCERG1	transcription elongation regulator 1	0.30829218
SNX6	sorting nexin 6	0.30828542
ACACA	acetyl-Coenzyme A carboxylase alpha	0.3080835
SMARCAD1	SWI/SNF-related, matrix-associated actin-dependent regulator of chro	0.3080176
PHYHD1	phytanoyl-CoA dioxygenase domain containing 1	0.30787033
TMEM65	transmembrane protein 65	0.30782917
PHACTR3	phosphatase and actin regulator 3	0.30764124
CDC14A	CDC14 cell division cycle 14 homolog A (S. cerevisiae)	0.30762103
ALG5	asparagine-linked glycosylation 5 homolog (S. cerevisiae, dolichyl-pho	0.30756214
DDX20	DEAD (Asp-Glu-Ala-Asp) box polypeptide 20	0.30750415
FKBP5	FK506 binding protein 5	0.30739585
PHIP	pleckstrin homology domain interacting protein	0.30731097
XRN1	5'-3' exoribonuclease 1	0.3069272
FAM70B	family with sequence similarity 70, member B	0.306828
B4GALT6	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 6	0.30673158
SYT14	synaptotagmin XIV	0.30671564
SNX2	sorting nexin 2	0.30666068
HNRPLL	heterogeneous nuclear ribonucleoprotein L-like	0.30661663
CUL3	cullin 3	0.30661324
RHOU	ras homolog gene family, member U	0.3063546
MRE11A	MRE11 meiotic recombination 11 homolog A (S. cerevisiae)	0.30623642
TMEM106B	transmembrane protein 106B	0.30602655
NAALADL2	N-acetylated alpha-linked acidic dipeptidase-like 2	0.30578098
MGAT3	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransf	0.30546507
HIST2H2BE	histone cluster 2, H2be	0.30546314

RAN	RAN, member RAS oncogene family	0.30535325
FAM83D	family with sequence similarity 83, member D	0.30533674
MRPL33	mitochondrial ribosomal protein L33	0.30528963
DHX9	DEAH (Asp-Glu-Ala-His) box polypeptide 9	0.30528685
SGCD	sarcoglycan, delta (35kDa dystrophin-associated glycoprotein)	0.30509058
DPY19L4	dpy-19-like 4 (<i>C. elegans</i>)	0.30505946
PHACTR2	phosphatase and actin regulator 2	0.30490234
PLEKHA6	pleckstrin homology domain containing, family A member 6	0.3048244
METTL5	methyltransferase like 5	0.3048029
ADK	adenosine kinase	0.30477744
MTRF1L	mitochondrial translational release factor 1-like	0.30477524
NR2C1	nuclear receptor subfamily 2, group C, member 1	0.30425054
PAPSS1	3'-phosphoadenosine 5'-phosphosulfate synthase 1	0.3041179
TMF1	TATA element modulatory factor 1	0.30402818
IFT81	intraflagellar transport 81 homolog (<i>Chlamydomonas</i>)	0.30400816
OXR1	oxidation resistance 1	0.30398753
RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	0.303915
PITPNB	phosphatidylinositol transfer protein, beta	0.30382505
KCNRG	potassium channel regulator	0.30362386
GSPT2	G1 to S phase transition 2	0.30349916
THOC2	THO complex 2	0.30337256
ZFP62	zinc finger protein 62 homolog (mouse)	0.30333874
RICTOR	-	0.30322945
SUV39H1	suppressor of variegation 3-9 homolog 1 (<i>Drosophila</i>)	0.30310854
ETV6	ets variant gene 6 (TEL oncogene)	0.30280486
UST	uronyl-2-sulfotransferase	0.30271778
STAG2	stromal antigen 2	0.30260685
COIL	coilin	0.3025775
ECE1	endothelin converting enzyme 1	0.30240482
STARD6	START domain containing 6	0.3021931
TBC1D4	TBC1 domain family, member 4	0.30217722
SPDYA	speedy homolog A (<i>Drosophila</i>)	0.30210865
ARIH1	ariadne homolog, ubiquitin-conjugating enzyme E2 binding protein, 1 (0.30148196
MYO9A	myosin IXA	0.30145943
RAP1B	RAP1B, member of RAS oncogene family	0.30131605
SUPT7L	suppressor of Ty 7 (<i>S. cerevisiae</i>)-like	0.30108967
CCNI	cyclin I	0.30098656
CHKB	choline kinase beta	0.3009726
SNUPN	snurportin 1	0.3009397
SESN1	sestrin 1	0.30071333
PPP4R2	protein phosphatase 4, regulatory subunit 2	0.30071172
CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	0.30063555
TRIM33	tripartite motif-containing 33	0.30057925
FAM5B	family with sequence similarity 5, member B	0.30032122
CHD1	chromodomain helicase DNA binding protein 1	0.30012017
GTF3C3	general transcription factor IIIC, polypeptide 3, 102kDa	0.30002126
RALGPS2	Ral GEF with PH domain and SH3 binding motif 2	0.29998496
PPP2R5A	protein phosphatase 2, regulatory subunit B (B56), alpha isoform	0.2999658
FEZ2	fasciculation and elongation protein zeta 2 (zygin II)	0.2997475
ATXN3	ataxin 3	0.29972166
DYNC111	dynein, cytoplasmic 1, intermediate chain 1	0.29945847
THUMPD3	THUMP domain containing 3	0.2994144
WDR44	WD repeat domain 44	0.29940835
PRKAA2	protein kinase, AMP-activated, alpha 2 catalytic subunit	0.29925486
IL1R1	interleukin 1 receptor, type I	0.29883337
GNG2	guanine nucleotide binding protein (G protein), gamma 2	0.29865572
LSM6	LSM6 homolog, U6 small nuclear RNA associated (<i>S. cerevisiae</i>)	0.29839072
ABI2	abl interactor 2	0.2983689
DDX10	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10	0.2981053
CD44	CD44 molecule (Indian blood group)	0.298056
THBS4	thrombospondin 4	0.29788294
PTDSS1	phosphatidylserine synthase 1	0.29786322
AGL	amylo-1, 6-glucosidase, 4-alpha-glucanotransferase (glycogen debran	0.29784155
LUZP1	leucine zipper protein 1	0.29760876
SMC6	structural maintenance of chromosomes 6	0.29747435
LARP4	La ribonucleoprotein domain family, member 4	0.29744083
LIN7C	lin-7 homolog C (<i>C. elegans</i>)	0.2973657

NBEAL1	neurobeachin-like 1	0.29721752
ATR	ataxia telangiectasia and Rad3 related	0.29716074
NPY1R	neuropeptide Y receptor Y1	0.2969313
KIAA2026	KIAA2026	0.29692852
SERP1	-	0.29686177
TMEM30A	transmembrane protein 30A	0.296801
IPP	intracisternal A particle-promoted polypeptide	0.29679635
SNORD1C	small nucleolar RNA, C/D box 1C	0.29645446
RBX1	ring-box 1	0.29637524
CLDN1	claudin 1	0.2962157
FADS3	fatty acid desaturase 3	0.29575577
CASP8AP2	CASP8 associated protein 2	0.29574716
TSR2	TSR2, 20S rRNA accumulation, homolog (S. cerevisiae)	0.29563546
RPP14	ribonuclease P 14kDa subunit	0.29559904
SSB	Sjogren syndrome antigen B (autoantigen La)	0.29555523
BBS4	Bardet-Biedl syndrome 4	0.29551294
PPM1L	protein phosphatase 1 (formerly 2C)-like	0.2953829
PUS7	pseudouridylate synthase 7 homolog (S. cerevisiae)	0.29533842
VEZT	vezatin, adherens junctions transmembrane protein	0.2952688
MERTK	c-mer proto-oncogene tyrosine kinase	0.29524037
NIPBL	Nipped-B homolog (Drosophila)	0.29489702
NUP155	nucleoporin 155kDa	0.29484424
TIPIN	TIMELESS interacting protein	0.29477483
ORC2L	origin recognition complex, subunit 2-like (yeast)	0.29472056
EFHA2	EF-hand domain family, member A2	0.29468095
ELL2	elongation factor, RNA polymerase II, 2	0.29435137
TSPYL1	TSPY-like 1	0.29416177
ANKRD26	ankyrin repeat domain 26	0.29413953
FCHO2	FCH domain only 2	0.294127
UPF2	UPF2 regulator of nonsense transcripts homolog (yeast)	0.2940738
TSC22D3	TSC22 domain family, member 3	0.29367763
PHF20L1	PHD finger protein 20-like 1	0.29366645
POLN	polymerase (DNA directed) nu	0.29344594
MCTS1	malignant T cell amplified sequence 1	0.29335546
RSBN1L	round spermatid basic protein 1-like	0.2933019
CCDC52	coiled-coil domain containing 52	0.2931627
SLC25A17	solute carrier family 25 (mitochondrial carrier; peroxisomal membrane	0.2931486
NSD1	nuclear receptor binding SET domain protein 1	0.2930987
MRPL47	mitochondrial ribosomal protein L47	0.29308268
RQCD1	RCD1 required for cell differentiation1 homolog (S. pombe)	0.29305544
GDAP1	ganglioside-induced differentiation-associated protein 1	0.29298204
RALBP1	ralA binding protein 1	0.292703
MLLT4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Dros	0.2925682
ALKBH8	alkB, alkylation repair homolog 8 (E. coli)	0.29223853
TPP2	tripeptidyl peptidase II	0.29209396
SUPT16H	suppressor of Ty 16 homolog (S. cerevisiae)	0.2920868
MIER1	mesoderm induction early response 1 homolog (Xenopus laevis)	0.29203406
STARD13	START domain containing 13	0.29203132
PBX2	pre-B-cell leukemia transcription factor 2	0.2917647
MAPRE2	microtubule-associated protein, RP/EB family, member 2	0.29159898
SERBP1	SERPINE1 mRNA binding protein 1	0.2914377
ORC4L	origin recognition complex, subunit 4-like (yeast)	0.2912545
TEX9	testis expressed sequence 9	0.2911131
EIF2S1	eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa	0.29109657
SUOX	sulfite oxidase	0.29105082
DCLRE1C	DNA cross-link repair 1C (PSO2 homolog, S. cerevisiae)	0.29059842
LIAS	lipoic acid synthetase	0.29045177
LTV1	LTV1 homolog (S. cerevisiae)	0.29036137
EPHA5	EPH receptor A5	0.2902665
SEC23A	Sec23 homolog A (S. cerevisiae)	0.2901679
GNPDA1	glucosamine-6-phosphate deaminase 1	0.28920814
CFH	complement factor H	0.28917202
SP4	Sp4 transcription factor	0.2891484
MKLN1	muskelin 1, intracellular mediator containing kelch motifs	0.28912005
SLC39A8	solute carrier family 39 (zinc transporter), member 8	0.2890989
ACSL4	acyl-CoA synthetase long-chain family member 4	0.28907993
EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)	0.2890622

GTPBP8	GTP-binding protein 8 (putative)	0.28905725
PRRG3	proline rich Gla (G-carboxyglutamic acid) 3 (transmembrane)	0.28904617
TIAM2	T-cell lymphoma invasion and metastasis 2	0.28903174
ANP32E	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	0.28900057
CCR1	chemokine (C-C motif) receptor 1	0.28855184
SPTY2D1	SPT2, Suppressor of Ty, domain containing 1 (S. cerevisiae)	0.28848404
KPNA2	karyopherin alpha 2 (RAG cohort 1, importin alpha 1)	0.2883007
ELK4	ELK4, ETS-domain protein (SRF accessory protein 1)	0.28829855
TLK1	tousled-like kinase 1	0.28829205
KLHL12	kelch-like 12 (Drosophila)	0.28824502
PWP1	PWP1 homolog (S. cerevisiae)	0.28769913
RNMT	RNA (guanine-7-) methyltransferase	0.28759325
6-Mar	membrane-associated ring finger (C3HC4) 6	0.28746969
NUCKS1	nuclear casein kinase and cyclin-dependent kinase substrate 1	0.28742686
NKAP	-	0.2873146
SDAD1	SDA1 domain containing 1	0.28719446
ST6GALNAC	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetyl-galactosyltransferase 6	0.28704774
XRN2	5'-3' exoribonuclease 2	0.2869737
RIC3	resistance to inhibitors of cholinesterase 3 homolog (C. elegans)	0.28694722
TIMM9	translocase of inner mitochondrial membrane 9 homolog (yeast)	0.2868287
LMBRD2	LMBR1 domain containing 2	0.2868195
C8ORF4	chromosome 8 open reading frame 4	0.28680685
RAPGEF6	Rap guanine nucleotide exchange factor (GEF) 6	0.2867378
CDC73	cell division cycle 73, Paf1/RNA polymerase II complex component, h	0.28669012
CDH12	cadherin 12, type 2 (N-cadherin 2)	0.2866818
MTERFD3	MTERF domain containing 3	0.2862584
RYK	RYK receptor-like tyrosine kinase	0.28586385
HMGB1	high-mobility group box 1	0.28568518
RABGAP1L	RAB GTPase activating protein 1-like	0.28568363
GEMIN6	gem (nuclear organelle) associated protein 6	0.28555188
HIVEP2	human immunodeficiency virus type I enhancer binding protein 2	0.28553385
PLK4	polo-like kinase 4 (Drosophila)	0.28552768
PGRMC1	progesterone receptor membrane component 1	0.28552535
TRAF3	TNF receptor-associated factor 3	0.28551948
ADD3	adducin 3 (gamma)	0.28548944
PRPF40A	PRP40 pre-mRNA processing factor 40 homolog A (yeast)	0.2854138
CHPT1	choline phosphotransferase 1	0.28518382
CETN3	centrin, EF-hand protein, 3 (CDC31 homolog, yeast)	0.28490567
RSPRY1	ring finger and SPRY domain containing 1	0.2848328
PPP6C	protein phosphatase 6, catalytic subunit	0.28479528
DOK6	docking protein 6	0.28476927
SMC5	structural maintenance of chromosomes 5	0.28476325
MTDH	metadherin	0.2846516
LANCL2	LanC lantibiotic synthetase component C-like 2 (bacterial)	0.28463086
VPS37A	vacuolar protein sorting 37 homolog A (S. cerevisiae)	0.28435335
MOSPD2	motile sperm domain containing 2	0.28429127
REV3L	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	0.28417328
DLG2	discs, large homolog 2, chapsyn-110 (Drosophila)	0.28413704
CEP78	centrosomal protein 78kDa	0.28402397
SH3D19	-	0.28394982
ABLIM1	actin binding LIM protein 1	0.28360093
PNN	pinin, desmosome associated protein	0.2835855
COPA	coatamer protein complex, subunit alpha	0.28347838
WNT5A	wingless-type MMTV integration site family, member 5A	0.28343156
ALG11	asparagine-linked glycosylation 11 homolog (S. cerevisiae, alpha-1,2-)	0.28335527
CDC42BPA	CDC42 binding protein kinase alpha (DMPK-like)	0.2833209
RAB3GAP1	RAB3 GTPase activating protein subunit 1 (catalytic)	0.2831393
RP9	retinitis pigmentosa 9 (autosomal dominant)	0.28313094
FAM3C	family with sequence similarity 3, member C	0.28306663
STRBP	spermatid perinuclear RNA binding protein	0.28303966
USP32	ubiquitin specific peptidase 32	0.28303823
RBL2	retinoblastoma-like 2 (p130)	0.28303152
ERC1	ELKS/RAB6-interacting/CAST family member 1	0.28294888
ANGPT1	angiopoietin 1	0.28288832
PHTF2	putative homeodomain transcription factor 2	0.28278732
KIF11	kinesin family member 11	0.2827727
ANKRD49	ankyrin repeat domain 49	0.28276184

HELLS	helicase, lymphoid-specific	0.28266817
NT5C2	5'-nucleotidase, cytosolic II	0.28257298
HOOK1	hook homolog 1 (Drosophila)	0.28256178
LIG4	ligase IV, DNA, ATP-dependent	0.28253478
ASH2L	ash2 (absent, small, or homeotic)-like (Drosophila)	0.2822329
SLK	STE20-like kinase (yeast)	0.2821422
SLC38A1	solute carrier family 38, member 1	0.28211927
ARFGEF1	ADP-ribosylation factor guanine nucleotide-exchange factor 1(brefeldin	0.28208488
ROCK2	Rho-associated, coiled-coil containing protein kinase 2	0.28201655
SCN2A1	sodium channel, voltage-gated, type II, alpha 1	0.2819944
DNAJC18	DnaJ (Hsp40) homolog, subfamily C, member 18	0.28199184
RPL17	ribosomal protein L17	0.2818668
FXR1	fragile X mental retardation, autosomal homolog 1	0.2817427
PCDHB10	protocadherin beta 10	0.2817354
DAZAP2	DAZ associated protein 2	0.2817177
RHEB	Ras homolog enriched in brain	0.28170833
GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood grc	0.28169766
HRSP12	heat-responsive protein 12	0.28156918
YTHDF1	YTH domain family, member 1	0.28153592
RAD17	RAD17 homolog (S. pombe)	0.28127652
CBFA2T2	core-binding factor, runt domain, alpha subunit 2; translocated to, 2	0.28114262
SLC35A3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) trar	0.2810287
KPNA3	karyopherin alpha 3 (importin alpha 4)	0.28099534
MPHOSPH9	M-phase phosphoprotein 9	0.28089347
NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhil	0.28087664
PKIA	protein kinase (cAMP-dependent, catalytic) inhibitor alpha	0.2808376
DIP2C	DIP2 disco-interacting protein 2 homolog C (Drosophila)	0.28081924
GTDC1	glycosyltransferase-like domain containing 1	0.2807951
MTMR9	myotubularin related protein 9	0.2807921
PPFIBP1	PTPRF interacting protein, binding protein 1 (liprin beta 1)	0.28048554
CDO1	cysteine dioxygenase, type I	0.28040773
RNF170	ring finger protein 170	0.2803715
CYB5B	cytochrome b5 type B (outer mitochondrial membrane)	0.28035307
FRMD4A	FERM domain containing 4A	0.28017813
GABARAPL2	GABA(A) receptor-associated protein-like 2	0.28009772
SMARCA2	SWI/SNF related, matrix associated, actin dependent regulator of chrc	0.28003567
LRBA	LPS-responsive vesicle trafficking, beach and anchor containing	0.27993786
PAK6	p21(CDKN1A)-activated kinase 6	0.27991542
NEK7	NIMA (never in mitosis gene a)-related kinase 7	0.27965054
NSFL1C	NSFL1 (p97) cofactor (p47)	0.27959874
CACNA2D3	calcium channel, voltage-dependent, alpha 2/delta 3 subunit	0.27955577
RNF146	ring finger protein 146	0.2795491
MAX	MYC associated factor X	0.27946684
DNAJC10	DnaJ (Hsp40) homolog, subfamily C, member 10	0.27943537
CDH2	cadherin 2, type 1, N-cadherin (neuronal)	0.27940157
TBC1D9B	TBC1 domain family, member 9B (with GRAM domain)	0.27938744
RUFY2	RUN and FYVE domain containing 2	0.27918324
PPM1B	protein phosphatase 1B (formerly 2C), magnesium-dependent, beta is	0.27914318
ATP11C	ATPase, Class VI, type 11C	0.27885124
USMG5	upregulated during skeletal muscle growth 5 homolog (mouse)	0.27881533
MYSM1	myb-like, SWIRM and MPN domains 1	0.27877563
GOLGA3	golgi autoantigen, golgin subfamily a, 3	0.27872315
FMNL2	formin-like 2	0.27868915
ATF2	activating transcription factor 2	0.27867886
PSD3	pleckstrin and Sec7 domain containing 3	0.27867493
TASP1	taspace, threonine aspartase, 1	0.27857625
SMG7	Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans)	0.2785052
LASS5	LAG1 homolog, ceramide synthase 5 (S. cerevisiae)	0.27835348
GUCY1B3	guanylate cyclase 1, soluble, beta 3	0.27803025
HECA	headcase homolog (Drosophila)	0.27789214
YEATS4	YEATS domain containing 4	0.2777782
DDX42	DEAD (Asp-Glu-Ala-Asp) box polypeptide 42	0.27776232
AASS	aminoadipate-semialdehyde synthase	0.27770948
ZC3H12C	zinc finger CCCH-type containing 12C	0.2776356
INTS12	integrator complex subunit 12	0.2775539
GPR137B	G protein-coupled receptor 137B	0.2775478
FLRT3	fibronectin leucine rich transmembrane protein 3	0.27751

GNL3	guanine nucleotide binding protein-like 3 (nucleolar)	0.277395
AK5	adenylate kinase 5	0.2773672
UBE2V2	ubiquitin-conjugating enzyme E2 variant 2	0.2773635
THTPA	thiamine triphosphatase	0.27730593
RPS25	ribosomal protein S25	0.27728453
EED	embryonic ectoderm development	0.27722588
CSNK1G3	casein kinase 1, gamma 3	0.27710137
KIAA1429	KIAA1429	0.27682564
RAI14	retinoic acid induced 14	0.27677143
GALNT7	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosam	0.27673277
BHLHB9	basic helix-loop-helix domain containing, class B, 9	0.276493
VPS26A	vacuolar protein sorting 26 homolog A (yeast)	0.27646554
MTMR6	myotubularin related protein 6	0.27637714
DDX52	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52	0.27621755
MTHFD2L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2-like	0.2762073
HSD17B7	hydroxysteroid (17-beta) dehydrogenase 7	0.2761256
TMEM19	transmembrane protein 19	0.27611068
MORC3	MORC family CW-type zinc finger 3	0.2759129
ATRX	alpha thalassemia/mental retardation syndrome X-linked (RAD54 hom	0.2758406
CEP350	centrosomal protein 350kDa	0.27578697
CKLF	chemokine-like factor	0.27564636
CPNE1	copine I	0.27561238
PSMC6	proteasome (prosome, macropain) 26S subunit, ATPase, 6	0.27550724
EIF5A2	eukaryotic translation initiation factor 5A2	0.27546933
ZBTB1	zinc finger and BTB domain containing 1	0.27541146
PTER	phosphotriesterase related	0.27538994
ZDHHC15	zinc finger, DHHC-type containing 15	0.2753618
TRAPPC6B	trafficking protein particle complex 6B	0.27520862
UBE2W	ubiquitin-conjugating enzyme E2W (putative)	0.27499253
SNAPC1	small nuclear RNA activating complex, polypeptide 1, 43kDa	0.27461496
ARHGAP1	Rho GTPase activating protein 1	0.27457145
DHX15	DEAH (Asp-Glu-Ala-His) box polypeptide 15	0.27455297
HGF	hepatocyte growth factor (hepapoietin A; scatter factor)	0.27444214
SQLE	squalene epoxidase	0.27432328
DNAJC8	DnaJ (Hsp40) homolog, subfamily C, member 8	0.2741423
EFCAB2	EF-hand calcium binding domain 2	0.27410996
ESCO1	establishment of cohesion 1 homolog 1 (S. cerevisiae)	0.27405468
BIRC2	baculoviral IAP repeat-containing 2	0.27397227
TMEM2	transmembrane protein 2	0.27370843
NUBPL	nucleotide binding protein-like	0.27366447
GPRASP1	G protein-coupled receptor associated sorting protein 1	0.2735499
LCORL	ligand dependent nuclear receptor corepressor-like	0.27341586
TFAM	transcription factor A, mitochondrial	0.27339095
NUPL1	nucleoporin like 1	0.27338257
HIST1H2AC	histone cluster 1, H2ac	0.27314892
LCN2	lipocalin 2 (oncogene 24p3)	0.2729073
SASS6	spindle assembly 6 homolog (C. elegans)	0.27281466
FUT9	fucosyltransferase 9 (alpha (1,3) fucosyltransferase)	0.27272904
NRCAM	neuronal cell adhesion molecule	0.272719
HMG2	high-mobility group nucleosomal binding domain 2	0.27267617
PF4	prefoldin subunit 4	0.27265173
EXOC6	exocyst complex component 6	0.2725662
CCNH	cyclin H	0.2725283
CDC5L	CDC5 cell division cycle 5-like (S. pombe)	0.2721477
ZMAT1	zinc finger, matrin type 1	0.2721475
INPP1	inositol polyphosphate-1-phosphatase	0.2720934
OFD1	oral-facial-digital syndrome 1	0.27209166
DMXL1	Dmx-like 1	0.27207944
GPBP1	GC-rich promoter binding protein 1	0.27206138
SLC9A6	solute carrier family 9 (sodium/hydrogen exchanger), member 6	0.2720207
SFRS3	splicing factor, arginine/serine-rich 3	0.27198136
PLEKHF1	pleckstrin homology domain containing, family F (with FYVE domain) 1	0.2717592
TAF2	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated	0.27155238
GTPBP10	GTP-binding protein 10 (putative)	0.27150398
ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	0.27149212
FAM21B	family with sequence similarity 21, member B	0.27141982
MBIP	MAP3K12 binding inhibitory protein 1	0.2714185

B3GALT2	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	0.27139437
UEVLD	UEV and lactate/malate dehydrogenase domains	0.27135885
ZMYM6	zinc finger, MYM-type 6	0.2713163
PDCD5	programmed cell death 5	0.27125287
PDGFD	platelet derived growth factor D	0.27111337
PRMT5	protein arginine methyltransferase 5	0.27070746
CFDP1	craniofacial development protein 1	0.2707037
DHX36	DEAH (Asp-Glu-Ala-His) box polypeptide 36	0.27062008
CLUAP1	clusterin associated protein 1	0.27037123
HAT1	histone acetyltransferase 1	0.27035928
RNF139	ring finger protein 139	0.27034763
RAPGEF3	Rap guanine nucleotide exchange factor (GEF) 3	0.27021793
CCNT2	cyclin T2	0.27018267
SNX16	sorting nexin 16	0.2700755
LMAN1	lectin, mannose-binding, 1	0.2699631
PLEKHA1	pleckstrin homology domain containing, family A (phosphoinositide bir	0.26980746
KLHL2	kelch-like 2, Mayven (Drosophila)	0.26972124
RBM25	RNA binding motif protein 25	0.26966792
MAP2K6	mitogen-activated protein kinase kinase 6	0.26934528
SLC23A2	solute carrier family 23 (nucleobase transporters), member 2	0.26931378
TUG1	-	0.26927945
TPK1	thiamin pyrophosphokinase 1	0.2691128
SDK2	sidekick homolog 2 (chicken)	0.2690495
HERC3	hect domain and RLD 3	0.26903316
RPL38	ribosomal protein L38	0.26902574
TCP1	t-complex 1	0.2689855
UTP15	UTP15, U3 small nucleolar ribonucleoprotein, homolog (S. cerevisiae)	0.26886967
UFM1	ubiquitin-fold modifier 1	0.26885432
NTSR1	neurotensin receptor 1 (high affinity)	0.26864886
NDST2	N-deacetylase/N-sulfotransferase (heparan glucosaminy) 2	0.26862755
ARHGAP20	Rho GTPase activating protein 20	0.2685718
TIMP4	TIMP metalloproteinase inhibitor 4	0.26848638
UBE2G1	ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, yeast)	0.26848093
GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble)	0.26845613
ZCWPW2	zinc finger, CW type with PWWP domain 2	0.2683956
BMP2	bone morphogenetic protein 2	0.2683338
APIP	APAF1 interacting protein	0.26821166
SLC9A3	solute carrier family 9 (sodium/hydrogen exchanger), member 3	0.26798633
UCHL5	ubiquitin carboxyl-terminal hydrolase L5	0.2676964
RHOB	ras homolog gene family, member B	0.267528
CHM	choroideremia (Rab escort protein 1)	0.26752007
BCL2L13	BCL2-like 13 (apoptosis facilitator)	0.26750442
PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain cont	0.26742646
COPS7B	COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsi	0.26739243
CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	0.26732153
PTP4A1	protein tyrosine phosphatase type IVA, member 1	0.2673018
NOC3L	nucleolar complex associated 3 homolog (S. cerevisiae)	0.26727194
SYT13	synaptotagmin XIII	0.26674974
KIF3A	kinesin family member 3A	0.26671183
EIF4ENIF1	eukaryotic translation initiation factor 4E nuclear import factor 1	0.26670796
CHMP2B	chromatin modifying protein 2B	0.26655573
CD38	CD38 molecule	0.26654032
KLF9	Kruppel-like factor 9	0.2665382
NOM1	nucleolar protein with MIF4G domain 1	0.2664951
PAFAH1B1	platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit 45k	0.26636225
FGD4	FYVE, RhoGEF and PH domain containing 4	0.26630926
SLC7A8	solute carrier family 7 (cationic amino acid transporter, y+ system), me	0.26622984
PHF8	PHD finger protein 8	0.26615322
ITPR2	inositol 1,4,5-triphosphate receptor, type 2	0.26595733
WARS	tryptophanyl-tRNA synthetase	0.26592895
GNG5	guanine nucleotide binding protein (G protein), gamma 5	0.26589885
MGAT2	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltran:	0.26589358
DHTKD1	dehydrogenase E1 and transketolase domain containing 1	0.26581097
LMBRD1	LMBR1 domain containing 1	0.26560643
USP13	ubiquitin specific peptidase 13 (isopeptidase T-3)	0.26558888
EIF2S2	eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa	0.2654387
SPATA5	spermatogenesis associated 5	0.2653685

WBP4	WW domain binding protein 4 (formin binding protein 21)	0.26528844
PTCD2	pentatricopeptide repeat domain 2	0.26522568
STEAP2	six transmembrane epithelial antigen of the prostate 2	0.26521435
OPRL1	opiate receptor-like 1	0.26512688
CCDC72	coiled-coil domain containing 72	0.2649545
AP3M1	adaptor-related protein complex 3, mu 1 subunit	0.26493135
OGFOD1	2-oxoglutarate and iron-dependent oxygenase domain containing 1	0.26470348
DLG5	discs, large homolog 5 (Drosophila)	0.26453754
DDIT4	DNA-damage-inducible transcript 4	0.26435885
DDB2	damage-specific DNA binding protein 2, 48kDa	0.26433894
CALB1	calbindin 1, 28kDa	0.26432303
ALS2	amyotrophic lateral sclerosis 2 (juvenile)	0.26425594
MYO5A	myosin VA (heavy chain 12, myosin)	0.26424456
ANKRD13C	ankyrin repeat domain 13C	0.26414594
DSTN	destrin (actin depolymerizing factor)	0.2641273
GKAP1	G kinase anchoring protein 1	0.26409683
SSH2	slingshot homolog 2 (Drosophila)	0.26400346
DPM1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subur	0.26390538
FAM126B	family with sequence similarity 126, member B	0.26374012
AQR	aquarius homolog (mouse)	0.26373953
HARS2	histidyl-tRNA synthetase 2	0.26368836
LRRC41	leucine rich repeat containing 41	0.26367405
ZMYM2	zinc finger, MYM-type 2	0.2636667
DEFB1	defensin, beta 1	0.26363456
IDI1	isopentenyl-diphosphate delta isomerase 1	0.26346278
PDIK1L	PDLIM1 interacting kinase 1 like	0.26339188
CNTN1	contactin 1	0.26331785
ZFR	zinc finger RNA binding protein	0.2632744
DMXL2	Dmx-like 2	0.26326576
RAB9B	RAB9B, member RAS oncogene family	0.2632344
NET1	neuroepithelial cell transforming gene 1	0.26322982
INTS2	integrator complex subunit 2	0.26320103
TXNIP	thioredoxin interacting protein	0.26319376
PDK4	pyruvate dehydrogenase kinase, isozyme 4	0.26291257
MT-CO2	mitochondrially encoded cytochrome c oxidase II	0.26281056
VPS13A	vacuolar protein sorting 13 homolog A (S. cerevisiae)	0.26277497
SNX13	sorting nexin 13	0.2625848
VPS13D	vacuolar protein sorting 13 homolog D (S. cerevisiae)	0.26257578
SEZ6	seizure related 6 homolog (mouse)	-0.26243454
GORASP2	golgi reassembly stacking protein 2, 55kDa	-0.26260483
SAC3D1	SAC3 domain containing 1	-0.26270032
ACOT11	acyl-CoA thioesterase 11	-0.26273724
SIM2	single-minded homolog 2 (Drosophila)	-0.26276112
ADH4	alcohol dehydrogenase 4 (class II), pi polypeptide	-0.26278013
LHX3	LIM homeobox 3	-0.26281872
GLIS1	GLIS family zinc finger 1	-0.26292238
PTPRH	protein tyrosine phosphatase, receptor type, H	-0.262942
FMO3	flavin containing monooxygenase 3	-0.262967
SLC22A1	solute carrier family 22 (organic cation transporter), member 1	-0.2630142
PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific)	-0.26307574
QDPR	quinoid dihydropteridine reductase	-0.26314998
DAD1	defender against cell death 1	-0.2631591
TTL6	tubulin tyrosine ligase-like family, member 6	-0.263245
HIST1H1T	histone cluster 1, H1t	-0.2633201
TRIM10	tripartite motif-containing 10	-0.2633737
ISL2	ISL2 transcription factor, LIM/homeodomain, (islet-2)	-0.26338837
CLDN4	claudin 4	-0.26342982
TNFAIP8L2	tumor necrosis factor, alpha-induced protein 8-like 2	-0.26361287
SNORA7A	small nucleolar RNA, H/ACA box 7A	-0.26361585
WNT8A	wingless-type MMTV integration site family, member 8A	-0.26368225
SLC39A4	solute carrier family 39 (zinc transporter), member 4	-0.2637353
NANOS3	nanos homolog 3 (Drosophila)	-0.2638067
IL18R1	interleukin 18 receptor 1	-0.26392508
LRRC39	leucine rich repeat containing 39	-0.26401874
FBXO40	F-box protein 40	-0.26405367
RING1	ring finger protein 1	-0.2640941
GRM6	glutamate receptor, metabotropic 6	-0.26412022

POLRMT	polymerase (RNA) mitochondrial (DNA directed)	-0.26414624
IRX1	iroquois homeobox protein 1	-0.26425028
PAH	phenylalanine hydroxylase	-0.2643214
KRTAP8-1	keratin associated protein 8-1	-0.26434845
HDDC3	HD domain containing 3	-0.264494
GYS2	glycogen synthase 2 (liver)	-0.26451957
NUP210L	nucleoporin 210kDa-like	-0.26454672
NHLRC1	NHL repeat containing 1	-0.26467887
SCT	secretin	-0.26469088
MOGAT2	monoacylglycerol O-acyltransferase 2	-0.264739
AQP8	aquaporin 8	-0.26507753
CES7	carboxylesterase 7	-0.2650872
NR1H2	nuclear receptor subfamily 1, group H, member 2	-0.26516676
DLX2	distal-less homeobox 2	-0.26527008
B4GALNT3	beta-1,4-N-acetyl-galactosaminyl transferase 3	-0.26527256
DPPA4	developmental pluripotency associated 4	-0.26529703
CCL19	chemokine (C-C motif) ligand 19	-0.26531404
KRBA1	KRAB-A domain containing 1	-0.26538756
CLCN6	chloride channel 6	-0.26545587
FGF4	fibroblast growth factor 4 (heparin secretory transforming protein 1, Ka	-0.26546422
CTF18	CTF18, chromosome transmission fidelity factor 18 homolog (S. cerev	-0.2655092
SPINT4	serine peptidase inhibitor, Kunitz type 4	-0.26561213
S100A13	S100 calcium binding protein A13	-0.2656443
SOX21	SRY (sex determining region Y)-box 21	-0.26569366
MYL7	myosin, light chain 7, regulatory	-0.2656996
ITGB1BP3	integrin beta 1 binding protein 3	-0.2657293
TRIM34	tripartite motif-containing 34	-0.26582223
RPH3AL	rabphilin 3A-like (without C2 domains)	-0.2660035
THAP3	THAP domain containing, apoptosis associated protein 3	-0.26600662
TJP3	tight junction protein 3 (zona occludens 3)	-0.2661313
APOC3	apolipoprotein C-III	-0.2662723
DSP	desmoplakin	-0.26629707
MRGPRX2	MAS-related GPR, member X2	-0.26634306
TNFRSF14	tumor necrosis factor receptor superfamily, member 14 (herpesvirus e	-0.26637316
SAMD7	sterile alpha motif domain containing 7	-0.26638535
TEX101	testis expressed sequence 101	-0.2665055
SOD1	superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult	-0.26655722
WDFY4	WDFY family member 4	-0.26660013
TRIM58	tripartite motif-containing 58	-0.2667117
TMEM61	transmembrane protein 61	-0.26672062
ESRRB	estrogen-related receptor beta	-0.26673043
NKX2-6	NK2 transcription factor related, locus 6 (Drosophila)	-0.26678228
TCHHL1	trichohyalin-like 1	-0.26696706
C7ORF42	chromosome 7 open reading frame 42	-0.26698944
BDKRB1	bradykinin receptor B1	-0.26700732
NDUFA7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa	-0.26705667
KRT76	keratin 76	-0.26721123
NODAL	nodal homolog (mouse)	-0.26725712
PROC	protein C (inactivator of coagulation factors Va and VIIIa)	-0.26744542
PRM3	protamine 3	-0.26744866
FSTL3	follistatin-like 3 (secreted glycoprotein)	-0.2675581
CDX2	caudal type homeobox transcription factor 2	-0.2677165
HSPB9	heat shock protein, alpha-crystallin-related, B9	-0.26775318
NRSN2	neurensin 2	-0.26780906
AQP6	aquaporin 6, kidney specific	-0.26781258
KRT33B	keratin 33B	-0.2678799
ADRB1	adrenergic, beta-1-, receptor	-0.2679501
ZXDA	zinc finger, X-linked, duplicated A	-0.26800033
CARTPT	CART prepropeptide	-0.26807
MMP20	matrix metalloproteinase 20 (enamelysin)	-0.2681345
HOXB6	homeobox B6	-0.2681461
SLC5A1	solute carrier family 5 (sodium/glucose cotransporter), member 1	-0.26816693
AVPR2	arginine vasopressin receptor 2 (nephrogenic diabetes insipidus)	-0.26818627
TH	tyrosine hydroxylase	-0.2684877
PRHOXNB	parahox cluster neighbor	-0.26848936
H1FOO	H1 histone family, member O, oocyte-specific	-0.26864985
EGLN2	egl nine homolog 2 (C. elegans)	-0.2686542

SPESP1	sperm equatorial segment protein 1	-0.2688177
KRTAP9-3	keratin associated protein 9-3	-0.26882365
PRSS22	protease, serine, 22	-0.26883894
RBM10	RNA binding motif protein 10	-0.26889086
IDI2	isopentenyl-diphosphate delta isomerase 2	-0.26890665
GDF9	growth differentiation factor 9	-0.26907095
XKR6	XK, Kell blood group complex subunit-related family, member 6	-0.26913851
L3MBTL4	l(3)mbt-like 4 (Drosophila)	-0.26924634
LRFN1	leucine rich repeat and fibronectin type III domain containing 1	-0.26925775
OSR2	odd-skipped related 2 (Drosophila)	-0.2693044
GPR152	G protein-coupled receptor 152	-0.26934636
ZBTB3	zinc finger and BTB domain containing 3	-0.2693809
SYNGR4	synaptogyrin 4	-0.2693817
B3GNT7	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7	-0.26939082
POLD1	polymerase (DNA directed), delta 1, catalytic subunit 125kDa	-0.26940772
KRTAP10-1C	keratin associated protein 10-10	-0.26943117
UROC1	urocanase domain containing 1	-0.26943156
INHBC	inhibin, beta C	-0.26952764
FAM96B	family with sequence similarity 96, member B	-0.26956582
TSPAN32	tetraspanin 32	-0.26962328
DMBX1	diencephalon/mesencephalon homeobox 1	-0.26970184
SIX3	sine oculis homeobox homolog 3 (Drosophila)	-0.26974607
PAX3	paired box gene 3 (Waardenburg syndrome 1)	-0.26981133
MDH2	malate dehydrogenase 2, NAD (mitochondrial)	-0.26987153
GNA15	guanine nucleotide binding protein (G protein), alpha 15 (Gq class)	-0.27017623
CAPN9	calpain 9	-0.27021575
PRRC1	proline-rich coiled-coil 1	-0.27035907
MYB	v-myb myeloblastosis viral oncogene homolog (avian)	-0.2703961
HOXB1	homeobox B1	-0.27043223
GPR97	G protein-coupled receptor 97	-0.27046162
TNNI3	troponin I type 3 (cardiac)	-0.2705017
BARX1	BarH-like homeobox 1	-0.27050585
ACTB	actin, beta	-0.2705067
HPS4	Hermansky-Pudlak syndrome 4	-0.27065173
NLE1	notchless homolog 1 (Drosophila)	-0.27068645
TRIM69	tripartite motif-containing 69	-0.27079228
PRRT1	proline-rich transmembrane protein 1	-0.27087435
RIPK4	receptor-interacting serine-threonine kinase 4	-0.2709594
4-Sep	septin 4	-0.27108687
KLC2	kinesin light chain 2	-0.27117044
COLEC11	collectin sub-family member 11	-0.2712071
MUC5AC	mucin 5AC, oligomeric mucus/gel-forming	-0.27122548
ZPLD1	zona pellucida-like domain containing 1	-0.27123383
MYOM3	myomesin family, member 3	-0.27124983
BACE2	beta-site APP-cleaving enzyme 2	-0.27125826
IGSF9	immunoglobulin superfamily, member 9	-0.271303
ADAMTS13	ADAM metalloproteinase with thrombospondin type 1 motif, 13	-0.27134657
PKD1L2	polycystic kidney disease 1-like 2	-0.2713596
RNF186	ring finger protein 186	-0.2713728
ABCG5	ATP-binding cassette, sub-family G (WHITE), member 5 (sterolin 1)	-0.2714491
LITAF	lipopolysaccharide-induced TNF factor	-0.27155125
POU3F2	POU domain, class 3, transcription factor 2	-0.271556
NPAS4	neuronal PAS domain protein 4	-0.2716048
CX3CL1	chemokine (C-X3-C motif) ligand 1	-0.2716182
GPR20	G protein-coupled receptor 20	-0.27169162
ZMYND15	zinc finger, MYND-type containing 15	-0.27183017
DNASE1	deoxyribonuclease I	-0.27190948
RNASEH1	ribonuclease H1	-0.27194065
CACNA1S	calcium channel, voltage-dependent, L type, alpha 1S subunit	-0.2719422
RHD	Rh blood group, D antigen	-0.2720045
RPUSD1	RNA pseudouridylylase domain containing 1	-0.27207422
CCL20	chemokine (C-C motif) ligand 20	-0.27216253
SERPINA9	serpin peptidase inhibitor, clade A (alpha-1 antitrypsin, antitrypsin)	-0.27216262
SLC38A2	solute carrier family 38, member 2	-0.27217114
PSTPIP1	proline-serine-threonine phosphatase interacting protein 1	-0.2721882
HTR1D	5-hydroxytryptamine (serotonin) receptor 1D	-0.27220064
KRT26	keratin 26	-0.27226013

SLC44A4	solute carrier family 44, member 4	-0.27231276
AREG	amphiregulin (schwannoma-derived growth factor)	-0.272416
RNASEH2C	ribonuclease H2, subunit C	-0.27242675
MUC19	mucin 19, oligomeric	-0.27248955
FANCA	Fanconi anemia, complementation group A	-0.27251977
MEOX2	mesenchyme homeobox 2	-0.27256367
AVP	arginine vasopressin (neurophysin II, antidiuretic hormone, diabetes in	-0.27258238
KRT82	keratin 82	-0.27283657
CILP2	cartilage intermediate layer protein 2	-0.27294928
HEATR3	HEAT repeat containing 3	-0.27298918
CYP26B1	cytochrome P450, family 26, subfamily B, polypeptide 1	-0.27299356
TRDN	triadin	-0.2731533
DYNC1LI2	dynein, cytoplasmic 1, light intermediate chain 2	-0.27322602
PLAGL2	pleiomorphic adenoma gene-like 2	-0.27329737
PTGIR	prostaglandin I2 (prostacyclin) receptor (IP)	-0.27331808
UPK1A	uroplakin 1A	-0.27339834
MYOD1	myogenic differentiation 1	-0.27352086
ARF1	ADP-ribosylation factor 1	-0.2735353
HNF4A	hepatocyte nuclear factor 4, alpha	-0.2736229
UMODL1	uromodulin-like 1	-0.27364114
GML	GPI anchored molecule like protein	-0.27364507
RXFP4	relaxin/insulin-like family peptide receptor 4	-0.27370346
KLRC2	killer cell lectin-like receptor subfamily C, member 2	-0.27385086
USP36	ubiquitin specific peptidase 36	-0.2739178
COG8	component of oligomeric golgi complex 8	-0.27403048
MYBPHL	myosin binding protein H-like	-0.27424833
IQCF1	IQ motif containing F1	-0.27425864
GDF3	growth differentiation factor 3	-0.27441013
SLC5A7	solute carrier family 5 (choline transporter), member 7	-0.27442712
AVPR1A	arginine vasopressin receptor 1A	-0.27457514
GRRP1	glycine/arginine rich protein 1	-0.274594
EXTL1	exostoses (multiple)-like 1	-0.27475134
KRTAP11-1	keratin associated protein 11-1	-0.27495694
TRA2A	-	-0.2749581
TRIM71	tripartite motif-containing 71	-0.27507684
KLF1	Kruppel-like factor 1 (erythroid)	-0.27516428
CASP4	caspase 4, apoptosis-related cysteine peptidase	-0.2751923
BMP7	bone morphogenetic protein 7 (osteogenic protein 1)	-0.2752406
GNRH1	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone)	-0.2752719
DISP1	dispatched homolog 1 (Drosophila)	-0.27541205
CPA1	carboxypeptidase A1 (pancreatic)	-0.27559125
CER1	cerberus 1, cysteine knot superfamily, homolog (Xenopus laevis)	-0.2757273
MBD6	methyl-CpG binding domain protein 6	-0.27573633
DDOST	dolichyl-diphosphooligosaccharide-protein glycosyltransferase	-0.2757554
NTNG1	netrin G1	-0.27586064
KLHDC5	kelch domain containing 5	-0.27586666
PAOX	polyamine oxidase (exo-N4-amino)	-0.27597454
GLI1	glioma-associated oncogene homolog 1 (zinc finger protein)	-0.27598855
MDFI	MyoD family inhibitor	-0.27599797
HSF2BP	heat shock transcription factor 2 binding protein	-0.27601388
LY6D	lymphocyte antigen 6 complex, locus D	-0.27607784
ORC1L	origin recognition complex, subunit 1-like (yeast)	-0.27614203
RERE	arginine-glutamic acid dipeptide (RE) repeats	-0.27615145
WFDC5	WAP four-disulfide core domain 5	-0.2761816
KCTD11	potassium channel tetramerisation domain containing 11	-0.2761977
MTL5	metallothionein-like 5, testis-specific (tesmin)	-0.27636772
DLEC1	deleted in lung and esophageal cancer 1	-0.27649122
RBCK1	RanBP-type and C3HC4-type zinc finger containing 1	-0.2766093
ZNHIT1	zinc finger, HIT type 1	-0.27674678
KLK15	kallikrein 15	-0.27676073
VAX1	ventral anterior homeobox 1	-0.27681097
WNT11	wingless-type MMTV integration site family, member 11	-0.27692688
PVRL2	poliovirus receptor-related 2 (herpesvirus entry mediator B)	-0.276953
KRT35	keratin 35	-0.2769571
PNLIPRP2	pancreatic lipase-related protein 2	-0.2769784
MYOZ3	myozenin 3	-0.27701437
NEUROG2	neurogenin 2	-0.27725258

ACOT8	acyl-CoA thioesterase 8	-0.27735287
CDKN2B	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	-0.27744943
CCL11	chemokine (C-C motif) ligand 11	-0.27745363
ZFP14	zinc finger protein 14 homolog (mouse)	-0.27750242
ARL13A	ADP-ribosylation factor-like 13A	-0.2775743
IL17RC	interleukin 17 receptor C	-0.27769947
CD163L1	CD163 molecule-like 1	-0.27775705
ILDR1	immunoglobulin-like domain containing receptor 1	-0.27821803
RFX2	regulatory factor X, 2 (influences HLA class II expression)	-0.27824655
SERPINA11	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin)	-0.278332
POLR2H	polymerase (RNA) II (DNA directed) polypeptide H	-0.27841315
MT3	metallothionein 3 (growth inhibitory factor (neurotrophic))	-0.27864143
FMO4	flavin containing monooxygenase 4	-0.2786432
CHAC1	ChaC, cation transport regulator homolog 1 (E. coli)	-0.2786539
MUC5B	mucin 5B, oligomeric mucus/gel-forming	-0.2786619
FBXO4	F-box protein 4	-0.27870056
OTOG	otogelin	-0.27875552
GPR6	G protein-coupled receptor 6	-0.27913347
PLAC9	placenta-specific 9	-0.27916482
HOXB7	homeobox B7	-0.27918202
ADPRHL2	ADP-ribosylhydrolase like 2	-0.27938786
TGM5	transglutaminase 5	-0.27940387
TEKT2	tektin 2 (testicular)	-0.27944633
RASA4	RAS p21 protein activator 4	-0.2796201
ZFPM1	zinc finger protein, multitype 1	-0.2798692
PHOX2A	paired-like (aristaless) homeobox 2a	-0.27997676
CEACAM20	carcinoembryonic antigen-related cell adhesion molecule 20	-0.28011402
NOLC1	nucleolar and coiled-body phosphoprotein 1	-0.28019676
WISP3	WNT1 inducible signaling pathway protein 3	-0.28019726
COL11A2	collagen, type XI, alpha 2	-0.28023526
BPIL1	bactericidal/permeability-increasing protein-like 1	-0.28033197
ASGR2	asialoglycoprotein receptor 2	-0.28033268
GKN1	gastrokine 1	-0.28042608
GRHL3	grainyhead-like 3 (Drosophila)	-0.28052363
IL17A	interleukin 17A	-0.2805697
EIF5	eukaryotic translation initiation factor 5	-0.28081945
C21ORF58	chromosome 21 open reading frame 58	-0.2809135
RAB44	RAB44, member RAS oncogene family	-0.28096434
TSSK4	testis-specific serine kinase 4	-0.2810245
CRYBA2	crystallin, beta A2	-0.28106076
IQGAP3	IQ motif containing GTPase activating protein 3	-0.28110394
DVL2	dishevelled, dsh homolog 2 (Drosophila)	-0.28131863
GAL3ST2	galactose-3-O-sulfotransferase 2	-0.28150415
PRDM13	PR domain containing 13	-0.28151745
CYP39A1	cytochrome P450, family 39, subfamily A, polypeptide 1	-0.281577
TEAD3	TEA domain family member 3	-0.28177625
FBXO7	F-box protein 7	-0.28179616
FAM83G	family with sequence similarity 83, member G	-0.28188834
YTHDC2	YTH domain containing 2	-0.28193724
OTP	orthopedia homolog (Drosophila)	-0.28216416
ZBTB46	zinc finger and BTB domain containing 46	-0.28221396
APBA3	amyloid beta (A4) precursor protein-binding, family A, member 3 (X11-	-0.28240538
CLPS	colipase, pancreatic	-0.28252462
GPX6	glutathione peroxidase 6 (olfactory)	-0.282531
DGKZ	diacylglycerol kinase, zeta 104kDa	-0.28260303
SPRR2G	small proline-rich protein 2G	-0.2826432
HSF4	heat shock transcription factor 4	-0.28273198
IL13	interleukin 13	-0.28291795
MPZ	myelin protein zero (Charcot-Marie-Tooth neuropathy 1B)	-0.28300375
ME3	malic enzyme 3, NADP(+)-dependent, mitochondrial	-0.28304055
DEF6	differentially expressed in FDCP 6 homolog (mouse)	-0.28332838
SLC28A1	solute carrier family 28 (sodium-coupled nucleoside transporter), mem	-0.28336248
LRFN4	leucine rich repeat and fibronectin type III domain containing 4	-0.28340662
DND1	dead end homolog 1 (zebrafish)	-0.28350523
GDPD2	glycerophosphodiester phosphodiesterase domain containing 2	-0.2835108
RTN4RL2	reticulon 4 receptor-like 2	-0.28355587
IL28B	interleukin 28B (interferon, lambda 3)	-0.28362173

PEBP4	-	-0.2837072
VPS13B	vacuolar protein sorting 13B (yeast)	-0.28372613
DNAL11	dynein, axonemal, light intermediate chain 1	-0.28373584
VEPH1	ventricular zone expressed PH domain homolog 1 (zebrafish)	-0.28375936
MRPL35	mitochondrial ribosomal protein L35	-0.28380644
PTP4A2	protein tyrosine phosphatase type IVA, member 2	-0.28384063
UGT2A3	UDP glucuronosyltransferase 2 family, polypeptide A3	-0.283882
PFN3	profilin 3	-0.28421766
KRTAP1-5	keratin associated protein 1-5	-0.28423163
HES5	hairy and enhancer of split 5 (Drosophila)	-0.28424424
PPP3CC	protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform	-0.2843238
TECTA	tectorin alpha	-0.28442627
PLA2G2E	phospholipase A2, group IIE	-0.28443202
MAN2C1	mannosidase, alpha, class 2C, member 1	-0.28447288
KCNA7	potassium voltage-gated channel, shaker-related subfamily, member 7	-0.2845164
WNT1	wingless-type MMTV integration site family, member 1	-0.28456482
SLC34A2	solute carrier family 34 (sodium phosphate), member 2	-0.28464317
TBX20	T-box 20	-0.28471506
KCNA10	potassium voltage-gated channel, shaker-related subfamily, member 10	-0.28483444
ORM1	orosomucoid 1	-0.2848803
CHST3	carbohydrate (chondroitin 6) sulfotransferase 3	-0.2851731
CNN1	calponin 1, basic, smooth muscle	-0.28526056
CD320	CD320 molecule	-0.28534275
SYTL3	synaptotagmin-like 3	-0.28545105
SPDEF	SAM pointed domain containing ets transcription factor	-0.28567782
SPINK2	serine peptidase inhibitor, Kazal type 2 (acrosin-trypsin inhibitor)	-0.28569612
LAPTM4B	lysosomal associated protein transmembrane 4 beta	-0.28577548
GBX1	gastrulation brain homeobox 1	-0.2859178
RCSD1	RCSD domain containing 1	-0.2860506
PSAPL1	prosaposin-like 1	-0.2860761
LMOD1	leiomodulin 1 (smooth muscle)	-0.28634146
DBX1	-	-0.28646475
FBXL6	F-box and leucine-rich repeat protein 6	-0.28651655
ADAMTS8	ADAM metallopeptidase with thrombospondin type 1 motif, 8	-0.28658113
RNY3	RNA, Y3 small cytoplasmic (associated with Ro protein)	-0.28660646
HIST1H4I	histone cluster 1, H4i	-0.28676796
WDR64	WD repeat domain 64	-0.2867821
FNDC7	fibronectin type III domain containing 7	-0.2868291
RHBDF2	rhomboid 5 homolog 2 (Drosophila)	-0.28684685
ARHGGEF16	Rho guanine exchange factor (GEF) 16	-0.28689745
CLDN9	claudin 9	-0.28703418
PLD2	phospholipase D2	-0.28705552
S100A2	S100 calcium binding protein A2	-0.28711185
SDF2L1	stromal cell-derived factor 2-like 1	-0.287224
TMEM174	transmembrane protein 174	-0.2872752
ATG9A	ATG9 autophagy related 9 homolog A (S. cerevisiae)	-0.2873457
ASB9	ankyrin repeat and SOCS box-containing 9	-0.2874502
CALM1	calmodulin 1 (phosphorylase kinase, delta)	-0.2875848
SMCP	sperm mitochondria-associated cysteine-rich protein	-0.28762442
ACSM2	acyl-CoA synthetase medium-chain family member 2	-0.2876458
PPCDC	phosphopantothenoylecysteine decarboxylase	-0.28768986
RIPK3	receptor-interacting serine-threonine kinase 3	-0.28773823
ADAM33	ADAM metallopeptidase domain 33	-0.28779614
EGR4	early growth response 4	-0.2878333
GHRL	ghrelin/obestatin preprohormone	-0.2879128
LY6G6E	lymphocyte antigen 6 complex, locus G6E	-0.28792074
APITD1	apoptosis-inducing, TAF9-like domain 1	-0.28799218
SERPINB2	serpin peptidase inhibitor, clade B (ovalbumin), member 2	-0.28814206
MRGPRE	MAS-related GPR, member E	-0.28815013
CD177	CD177 molecule	-0.28819272
PTPN6	protein tyrosine phosphatase, non-receptor type 6	-0.28825697
MS4A12	membrane-spanning 4-domains, subfamily A, member 12	-0.28835696
POU4F3	POU domain, class 4, transcription factor 3	-0.28841665
POU4F2	POU domain, class 4, transcription factor 2	-0.2885121
HOXC9	homeobox C9	-0.28853744
LEPREL1	leprecan-like 1	-0.28861287
RECQL5	RecQ protein-like 5	-0.28873402

APRT	adenine phosphoribosyltransferase	-0.28879333
FABP6	fatty acid binding protein 6, ileal (gastrotropin)	-0.28882632
EIF4EBP1	eukaryotic translation initiation factor 4E binding protein 1	-0.28892094
RABGGTA	Rab geranylgeranyltransferase, alpha subunit	-0.289021
SELL	selectin L (lymphocyte adhesion molecule 1)	-0.28912038
LRRC30	leucine rich repeat containing 30	-0.2894282
NPM2	nucleophosmin/nucleoplasmin, 2	-0.2894441
MAP3K11	mitogen-activated protein kinase kinase kinase 11	-0.28952852
PELO	pelota homolog (Drosophila)	-0.28956082
PRX	periaxin	-0.28957227
NHEJ1	nonhomologous end-joining factor 1	-0.28964502
TSSK2	testis-specific serine kinase 2	-0.28965783
TK1	thymidine kinase 1, soluble	-0.2896645
RRAD	Ras-related associated with diabetes	-0.2897104
KRTAP2-4	keratin associated protein 2-4	-0.28973183
DUS3L	dihydrouridine synthase 3-like (S. cerevisiae)	-0.28980532
MARK2	MAP/microtubule affinity-regulating kinase 2	-0.28987655
APOA4	apolipoprotein A-IV	-0.28990215
PDYN	prodynorphin	-0.289975
PLCB2	phospholipase C, beta 2	-0.29017466
POLR1C	polymerase (RNA) I polypeptide C, 30kDa	-0.2902131
SLC13A2	solute carrier family 13 (sodium-dependent dicarboxylate transporter),	-0.29032597
AVIL	advillin	-0.2904239
SNAI1	snail homolog 1 (Drosophila)	-0.29042685
SOX14	SRY (sex determining region Y)-box 14	-0.29044127
GDPD3	glycerophosphodiester phosphodiesterase domain containing 3	-0.29050678
DMKN	dermokine	-0.2905568
IL25	interleukin 25	-0.29064527
ERBB2	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glio	-0.29074404
CYB561D2	cytochrome b-561 domain containing 2	-0.2907833
RASGRP4	RAS guanyl releasing protein 4	-0.2907986
IQCA	IQ motif containing with AAA domain	-0.29081038
ZNF703	zinc finger protein 703	-0.2908604
ATP8B3	ATPase, Class I, type 8B, member 3	-0.29105687
MYO15B	myosin XVb pseudogene	-0.29112113
SET	SET translocation (myeloid leukemia-associated)	-0.29126793
TNNT3	troponin T type 3 (skeletal, fast)	-0.2913605
KCNN1	potassium intermediate/small conductance calcium-activated channel,	-0.29142573
MT4	metallothionein IV	-0.29152873
RFFL	ring finger and FYVE-like domain containing 1	-0.29171118
FAM71B	family with sequence similarity 71, member B	-0.2917625
L1TD1	LINE-1 type transposase domain containing 1	-0.29184398
SRMS	src-related kinase lacking C-terminal regulatory tyrosine and N-terminu	-0.29189068
CDC42EP5	CDC42 effector protein (Rho GTPase binding) 5	-0.29193085
SCAMP4	secretory carrier membrane protein 4	-0.29197595
CD40	CD40 molecule, TNF receptor superfamily member 5	-0.29238993
PTCH2	patched homolog 2 (Drosophila)	-0.29251298
AADAC	arylacetamide deacetylase (esterase)	-0.2925229
FABP7	fatty acid binding protein 7, brain	-0.29261237
LTB4R2	leukotriene B4 receptor 2	-0.29262468
MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	-0.292741
TMC2	transmembrane channel-like 2	-0.29284766
APOC4	apolipoprotein C-IV	-0.2929091
MFSD3	major facilitator superfamily domain containing 3	-0.29291514
TPSAB1	tryptase alpha/beta 1	-0.29292026
KRT74	keratin 74	-0.2930087
ODF3L1	outer dense fiber of sperm tails 3-like 1	-0.29307026
HDHD1A	haloacid dehalogenase-like hydrolase domain containing 1A	-0.29308236
RPSA	ribosomal protein SA	-0.2931616
ASPM	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	-0.29316384
CD276	CD276 molecule	-0.293198
ADCK5	aarF domain containing kinase 5	-0.29323092
VPREB3	pre-B lymphocyte gene 3	-0.2932864
BSN	bassoon (presynaptic cytomatrix protein)	-0.29369903
LRRC36	leucine rich repeat containing 36	-0.29381636
EGF	epidermal growth factor (beta-urogastrone)	-0.29383373
WNT9B	wingless-type MMTV integration site family, member 9B	-0.2938556

CDK2AP2	CDK2-associated protein 2	-0.2939101
FIS1	fission 1 (mitochondrial outer membrane) homolog (<i>S. cerevisiae</i>)	-0.2939694
TIMD4	T-cell immunoglobulin and mucin domain containing 4	-0.29405233
COL1A1	collagen, type I, alpha 1	-0.29413262
HABP2	hyaluronan binding protein 2	-0.29459774
ACRBP	acrosin binding protein	-0.29473093
SLC22A12	solute carrier family 22 (organic anion/cation transporter), member 12	-0.2947394
CD19	CD19 molecule	-0.29477122
FNDC8	fibronectin type III domain containing 8	-0.29492772
JMJD5	jumonji domain containing 5	-0.2951333
HK3	hexokinase 3 (white cell)	-0.29513657
RRAGC	Ras-related GTP binding C	-0.29516327
KCNN4	potassium intermediate/small conductance calcium-activated channel,	-0.2952524
BHMT	betaine-homocysteine methyltransferase	-0.29526064
CMAH	cytidine monophosphate-N-acetylneuraminic acid hydroxylase (CMP-N	-0.29528543
GNB1L	guanine nucleotide binding protein (G protein), beta polypeptide 1-like	-0.2953079
LDB1	LIM domain binding 1	-0.29531
AMFR	autocrine motility factor receptor	-0.295328
EDF1	endothelial differentiation-related factor 1	-0.29541227
COL8A2	collagen, type VIII, alpha 2	-0.29545656
KRTAP17-1	keratin associated protein 17-1	-0.29574147
SPATA20	spermatogenesis associated 20	-0.29589388
TMEM30B	transmembrane protein 30B	-0.2958965
SLAIN2	SLAIN motif family, member 2	-0.29591104
ASIP	agouti signaling protein, nonagouti homolog (mouse)	-0.2960838
LCN6	lipocalin 6	-0.2961887
H1FNT	H1 histone family, member N, testis-specific	-0.29628295
CD300LF	CD300 molecule-like family member f	-0.29630545
FAM72A	family with sequence similarity 72, member A	-0.2963532
VPS37D	vacuolar protein sorting 37 homolog D (<i>S. cerevisiae</i>)	-0.29642335
SLC5A9	solute carrier family 5 (sodium/glucose cotransporter), member 9	-0.2965476
RPS26	ribosomal protein S26	-0.29722044
BTBD16	BTB (POZ) domain containing 16	-0.29723194
BBC3	BCL2 binding component 3	-0.29730746
TPSG1	tryptase gamma 1	-0.2973703
GPBAR1	G protein-coupled bile acid receptor 1	-0.2973917
COL16A1	collagen, type XVI, alpha 1	-0.29739687
EFNA4	ephrin-A4	-0.2975103
HES3	hairy and enhancer of split 3 (<i>Drosophila</i>)	-0.29765013
TMED7	transmembrane emp24 protein transport domain containing 7	-0.29773176
FOXP4	forkhead box N4	-0.29773918
ANKRD5	ankyrin repeat domain 5	-0.2977778
AMPD2	adenosine monophosphate deaminase 2 (isoform L)	-0.29779655
KCTD8	potassium channel tetramerisation domain containing 8	-0.29786128
ADAM8	ADAM metallopeptidase domain 8	-0.297931
CRYBA4	crystallin, beta A4	-0.29794413
ANKRD37	ankyrin repeat domain 37	-0.29796728
PODNL1	podocan-like 1	-0.29811296
HMGA1	high mobility group AT-hook 1	-0.2981667
TREX1	three prime repair exonuclease 1	-0.29819855
PGLS	6-phosphogluconolactonase	-0.29829314
TTLL3	tubulin tyrosine ligase-like family, member 3	-0.29832402
TCF15	transcription factor 15 (basic helix-loop-helix)	-0.29839933
SPINLW1	serine peptidase inhibitor-like, with Kunitz and WAP domains 1 (eppin	-0.29840836
HOXB13	homeobox B13	-0.298432
LCK	lymphocyte-specific protein tyrosine kinase	-0.29849365
GPR151	G protein-coupled receptor 151	-0.29850754
DEFA5	defensin, alpha 5, Paneth cell-specific	-0.29869488
TAS1R2	taste receptor, type 1, member 2	-0.2987313
CARD11	caspase recruitment domain family, member 11	-0.2987986
CDKN2A	cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)	-0.2990457
GRIP2	glutamate receptor interacting protein 2	-0.29904863
CD79A	CD79a molecule, immunoglobulin-associated alpha	-0.29919955
FER1L4	fer-1-like 4 (<i>C. elegans</i>)	-0.29931816
IGF2BP2	insulin-like growth factor 2 mRNA binding protein 2	-0.2994749
CHST13	carbohydrate (chondroitin 4) sulfotransferase 13	-0.29952565
ALS2CR4	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candida	-0.2998435

PRDM16	PR domain containing 16	-0.2998833
LRRC20	leucine rich repeat containing 20	-0.29992855
RBM15B	RNA binding motif protein 15B	-0.3003405
BTNL2	butyrophilin-like 2 (MHC class II associated)	-0.30034232
BCL6B	B-cell CLL/lymphoma 6, member B (zinc finger protein)	-0.30041015
MYL2	myosin, light chain 2, regulatory, cardiac, slow	-0.30044457
COL4A6	collagen, type IV, alpha 6	-0.30053115
TRPV1	transient receptor potential cation channel, subfamily V, member 1	-0.30064377
GNG8	guanine nucleotide binding protein (G protein), gamma 8	-0.30068368
MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	-0.30069393
SPAG4	sperm associated antigen 4	-0.30073175
NHLH1	nescient helix loop helix 1	-0.30075678
RDH8	retinol dehydrogenase 8 (all-trans)	-0.30081135
SYCE1	synaptonemal complex central element protein 1	-0.30091336
MAMDC4	MAM domain containing 4	-0.30091506
MS4A15	membrane-spanning 4-domains, subfamily A, member 15	-0.30098352
UBB	ubiquitin B	-0.30119902
SHBG	sex hormone-binding globulin	-0.30120626
TAC4	tachykinin 4 (hemokinin)	-0.3012356
C20ORF152	chromosome 20 open reading frame 152	-0.3012614
BAIAP2L2	BAI1-associated protein 2-like 2	-0.30127898
ATP13A2	ATPase type 13A2	-0.30159187
XRCC3	X-ray repair complementing defective repair in Chinese hamster cells 3	-0.30161017
SLC12A1	solute carrier family 12 (sodium/potassium/chloride transporters), member 1	-0.30168772
ITIH4	inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein)	-0.30169025
GPD1L	glycerol-3-phosphate dehydrogenase 1-like	-0.30180317
IRX3	iroquois homeobox protein 3	-0.30186334
KCNH8	potassium voltage-gated channel, subfamily H (eag-related), member 8	-0.3018706
BMP15	bone morphogenetic protein 15	-0.30201298
AMZ1	-	-0.3020406
TDH	L-threonine dehydrogenase	-0.30208278
CMA1	chymase 1, mast cell	-0.30212745
CPN2	carboxypeptidase N, polypeptide 2, 83kD	-0.30219287
COL3A1	collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal recessive)	-0.30230367
GPR62	G protein-coupled receptor 62	-0.30237603
IGLL1	immunoglobulin lambda-like polypeptide 1	-0.30246726
CNGB1	cyclic nucleotide gated channel beta 1	-0.302687
LHX1	LIM homeobox 1	-0.3027829
KRT7	keratin 7	-0.30281994
HIC2	hypermethylated in cancer 2	-0.30284446
KLF14	Kruppel-like factor 14	-0.30287018
DENND1C	DENN/MADD domain containing 1C	-0.3028757
RNMTL1	RNA methyltransferase like 1	-0.30306727
GMNN	geminin, DNA replication inhibitor	-0.3031114
PNMA1	paraneoplastic antigen MA1	-0.3031171
AFP	alpha-fetoprotein	-0.3031619
AMHR2	anti-Mullerian hormone receptor, type II	-0.3031863
MPPE1	metallophosphoesterase 1	-0.3032201
METRNL	meteorin, glial cell differentiation regulator	-0.30329847
LY6K	lymphocyte antigen 6 complex, locus K	-0.30334312
RXFP2	relaxin/insulin-like family peptide receptor 2	-0.3033736
VRK2	vaccinia related kinase 2	-0.30343196
YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein 1	-0.30344075
ANTXR1	anthrax toxin receptor-like	-0.3035299
TECTB	tectorin beta	-0.30360332
KRTAP4-2	keratin associated protein 4-2	-0.30370936
CLDN19	claudin 19	-0.30385745
ADAMTSL5	ADAMTS-like 5	-0.30387998
HUS1B	HUS1 checkpoint homolog b (S. pombe)	-0.30420125
CXCL1	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity 1)	-0.3042479
DUSP27	dual specificity phosphatase 27 (putative)	-0.3043716
PRSS16	protease, serine, 16 (thymus)	-0.3044758
FSHB	follicle stimulating hormone, beta polypeptide	-0.30452013
PPM1D	protein phosphatase 1D magnesium-dependent, delta isoform	-0.3045578
CARS	cysteinyl-tRNA synthetase	-0.30467892
SYCN	syncollin	-0.3048992
CHCHD5	coiled-coil-helix-coiled-coil-helix domain containing 5	-0.30512244

DRD4	dopamine receptor D4	-0.305236
CLDND2	claudin domain containing 2	-0.30534396
EFCAB4A	EF-hand calcium binding domain 4A	-0.30545244
TICAM2	toll-like receptor adaptor molecule 2	-0.30548334
TYRO3	TYRO3 protein tyrosine kinase	-0.30549267
MYCBPAP	MYCBP associated protein	-0.30551547
PRIMA1	proline rich membrane anchor 1	-0.3055602
CD28	CD28 molecule	-0.30556247
ARID3C	AT rich interactive domain 3C (BRIGHT- like)	-0.3056795
NOS1AP	nitric oxide synthase 1 (neuronal) adaptor protein	-0.30570757
TRIM11	tripartite motif-containing 11	-0.30593657
TRPM1	transient receptor potential cation channel, subfamily M, member 1	-0.3059977
DCT	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-rela	-0.30607128
LRCH4	leucine-rich repeats and calponin homology (CH) domain containing 4	-0.3060891
ADAMTS4	ADAM metallopeptidase with thrombospondin type 1 motif, 4	-0.30618525
RPUSD4	RNA pseudouridylate synthase domain containing 4	-0.3061933
PPAT	phosphoribosyl pyrophosphate amidotransferase	-0.30620766
DYDC2	DPY30 domain containing 2	-0.30629253
UTF1	undifferentiated embryonic cell transcription factor 1	-0.30646837
MYF5	myogenic factor 5	-0.30662942
BTBD6	BTB (POZ) domain containing 6	-0.3067237
TRAPPC6A	trafficking protein particle complex 6A	-0.30686358
FABP2	fatty acid binding protein 2, intestinal	-0.30698353
1-Sep	septin 1	-0.30698583
CLIC3	chloride intracellular channel 3	-0.30703866
STT3B	STT3, subunit of the oligosaccharyltransferase complex, homolog B (ξ	-0.30723813
AURKB	aurora kinase B	-0.30724087
CHMP6	chromatin modifying protein 6	-0.3072619
PDZD3	PDZ domain containing 3	-0.30727965
RTP3	receptor transporter protein 3	-0.3073518
LRRC26	leucine rich repeat containing 26	-0.3075101
CRB1	crumbs homolog 1 (Drosophila)	-0.30758625
MOV10	Mov10, Moloney leukemia virus 10, homolog (mouse)	-0.30758792
PNLIPRP1	pancreatic lipase-related protein 1	-0.30760112
ACTG2	actin, gamma 2, smooth muscle, enteric	-0.30761683
ESPN	espin	-0.30776182
COL7A1	collagen, type VII, alpha 1 (epidermolysis bullosa, dystrophic, dominar	-0.30778316
GGN	gametogenetin	-0.30781403
KIAA0556	KIAA0556	-0.30786723
COL5A3	collagen, type V, alpha 3	-0.30791414
GALNT11	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosarr	-0.307992
TGM4	transglutaminase 4 (prostate)	-0.30800346
COL5A1	collagen, type V, alpha 1	-0.30816793
GDNF	glial cell derived neurotrophic factor	-0.30818734
GALP	-	-0.30821162
IFRD2	interferon-related developmental regulator 2	-0.30827653
PCSK4	proprotein convertase subtilisin/kexin type 4	-0.30834532
D2HGDH	D-2-hydroxyglutarate dehydrogenase	-0.30872658
CLDN15	claudin 15	-0.3087556
KY	kyphoscoliosis peptidase	-0.30883753
FAM116A	family with sequence similarity 116, member A	-0.30899876
SF3B5	splicing factor 3b, subunit 5, 10kDa	-0.3090183
NAPSA	napsin A aspartic peptidase	-0.3091123
ALOX15	arachidonate 15-lipoxygenase	-0.3091441
TEP1	telomerase-associated protein 1	-0.30930388
FREM2	FRAS1 related extracellular matrix protein 2	-0.30955437
SPATA3	spermatogenesis associated 3	-0.3097246
JPH2	junctophilin 2	-0.30981123
CHST4	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	-0.31019658
EHMT2	euchromatic histone-lysine N-methyltransferase 2	-0.31020936
AQP5	aquaporin 5	-0.31022665
KLK9	kallikrein 9	-0.31048912
EMILIN1	elastin microfibril interfacier 1	-0.31062654
DPPA2	developmental pluripotency associated 2	-0.31075522
DSC1	desmocollin 1	-0.31079993
NEK8	NIMA (never in mitosis gene a)- related kinase 8	-0.31090403
DUSP2	dual specificity phosphatase 2	-0.3109134

PPP1R1C	protein phosphatase 1, regulatory (inhibitor) subunit 1C	-0.3109243
CFD	complement factor D (adipsin)	-0.31113565
GIPC3	GIPC PDZ domain containing family, member 3	-0.3113071
OBSCN	obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF	-0.31132495
NYX	nyctalopin	-0.31150222
SRPX	sushi-repeat-containing protein, X-linked	-0.31165114
RFPL4	ret finger protein-like 4	-0.31180397
S100G	S100 calcium binding protein G	-0.3118698
BMP8A	bone morphogenetic protein 8a	-0.31198177
HPN	hepsin (transmembrane protease, serine 1)	-0.3119887
CRTAM	cytotoxic and regulatory T cell molecule	-0.31224972
BAI2	brain-specific angiogenesis inhibitor 2	-0.312297
TEPP	-	-0.31267324
KCNMB1	potassium large conductance calcium-activated channel, subfamily M,	-0.31270957
GZMM	granzyme M (lymphocyte met-ase 1)	-0.31271216
NBN	nibrin	-0.31283304
NCL	nucleolin	-0.3128333
MAPK7	mitogen-activated protein kinase 7	-0.31297302
SPRR4	small proline rich protein 4	-0.31304595
TAL1	T-cell acute lymphocytic leukemia 1	-0.31320524
COL24A1	collagen, type XXIV, alpha 1	-0.31320837
SLC10A5	solute carrier family 10 (sodium/bile acid cotransporter family), membe	-0.31329942
MYH7	myosin, heavy chain 7, cardiac muscle, beta	-0.31331113
COL9A3	collagen, type IX, alpha 3	-0.3138877
FAM100A	family with sequence similarity 100, member A	-0.3139693
COL2A1	collagen, type II, alpha 1 (primary osteoarthritis, spondyloepiphyseal d	-0.31399253
CACNB2	calcium channel, voltage-dependent, beta 2 subunit	-0.31404176
AOC2	amine oxidase, copper containing 2 (retina-specific)	-0.31405282
ELMO3	engulfment and cell motility 3	-0.314053
XKR7	XK, Kell blood group complex subunit-related family, member 7	-0.31412208
CEP72	centrosomal protein 72kDa	-0.31417537
ROPN1L	ropporin 1-like	-0.31425166
CCL21	chemokine (C-C motif) ligand 21	-0.3144993
F2RL3	coagulation factor II (thrombin) receptor-like 3	-0.3145485
CEBPE	CCAAT/enhancer binding protein (C/EBP), epsilon	-0.31454858
PTK7	PTK7 protein tyrosine kinase 7	-0.31466675
ATG5	ATG5 autophagy related 5 homolog (S. cerevisiae)	-0.3147111
CHDH	choline dehydrogenase	-0.31486547
ORMDL2	ORM1-like 2 (S. cerevisiae)	-0.3148747
GJB1	gap junction protein, beta 1, 32kDa (connexin 32, Charcot-Marie-Tooth	-0.31506342
SLC25A43	solute carrier family 25, member 43	-0.31517994
UPB1	ureidopropionase, beta	-0.31520513
MAPK15	mitogen-activated protein kinase 15	-0.31534722
NXF2	nuclear RNA export factor 2	-0.31535202
CD300A	CD300a molecule	-0.31537348
DMRTA2	DMRT-like family A2	-0.31559435
AMBP	alpha-1-microglobulin/bikunin precursor	-0.31561488
PROP1	prophet of Pit1, paired-like homeodomain transcription factor	-0.31587386
QPRT	quinolinate phosphoribosyltransferase (nicotinate-nucleotide pyrophos	-0.31588486
CNGA3	cyclic nucleotide gated channel alpha 3	-0.31589904
FGF20	fibroblast growth factor 20	-0.31596687
MYOM2	myomesin (M-protein) 2, 165kDa	-0.31602314
RAB20	RAB20, member RAS oncogene family	-0.3162126
KISS1	KiSS-1 metastasis-suppressor	-0.31665045
FAM120C	family with sequence similarity 120C	-0.31673452
NRTN	neurturin	-0.316759
TSGA10IP	testis specific, 10 interacting protein	-0.3168761
DLX5	distal-less homeobox 5	-0.31705618
CRELD1	cysteine-rich with EGF-like domains 1	-0.317063
CRLF2	cytokine receptor-like factor 2	-0.31715345
PIWIL1	piwi-like 1 (Drosophila)	-0.31715786
PADI1	peptidyl arginine deiminase, type I	-0.31717968
COL4A3	collagen, type IV, alpha 3 (Goodpasture antigen)	-0.3172062
SIL1	SIL1 homolog, endoplasmic reticulum chaperone (S. cerevisiae)	-0.3173298
NLGN1	neuroligin 1	-0.31733963
SLC2A8	solute carrier family 2, (facilitated glucose transporter) member 8	-0.31735066
HOXC4	homeobox C4	-0.3174019

AMOTL2	angiomin like 2	-0.31745806
KRT36	keratin 36	-0.31760287
GLT6D1	glycosyltransferase 6 domain containing 1	-0.31830463
WDFY3	WD repeat and FYVE domain containing 3	-0.3183172
BRMS1	breast cancer metastasis suppressor 1	-0.31835264
CCDC12	coiled-coil domain containing 12	-0.31836435
SACS	spastic ataxia of Charlevoix-Saguenay (sacsin)	-0.31847712
SPZ1	spermatogenic leucine zipper 1	-0.31849617
SDSL	serine dehydratase-like	-0.3187297
DNAJC4	DnaJ (Hsp40) homolog, subfamily C, member 4	-0.318735
PREX1	-	-0.3187506
SFTPA1	surfactant, pulmonary-associated protein A1	-0.31896228
BCMO1	beta-carotene 15,15'-monooxygenase 1	-0.31903395
TESK1	testis-specific kinase 1	-0.31903833
AUP1	ancient ubiquitous protein 1	-0.31905735
NUAK2	NUAK family, SNF1-like kinase, 2	-0.31906354
EAF1	ELL associated factor 1	-0.3192362
MATN4	matrilin 4	-0.3196991
RARG	retinoic acid receptor, gamma	-0.31971055
ARHGAP8	Rho GTPase activating protein 8	-0.31975442
SYTL1	synaptotagmin-like 1	-0.31981915
RPL36	ribosomal protein L36	-0.31981975
SNRPC	small nuclear ribonucleoprotein polypeptide C	-0.31995618
TCOF1	Treacher Collins-Franceschetti syndrome 1	-0.3199746
RPLP0	ribosomal protein, large, P0	-0.3200355
UNG	uracil-DNA glycosylase	-0.32013056
EEF1A1	eukaryotic translation elongation factor 1 alpha 1	-0.32027104
RHO	rhodopsin (opsin 2, rod pigment) (retinitis pigmentosa 4, autosomal do	-0.3202877
SLC30A2	solute carrier family 30 (zinc transporter), member 2	-0.32067266
KIAA0040	KIAA0040	-0.32069525
LAPTM4A	lysosomal-associated protein transmembrane 4 alpha	-0.32077786
PPP1R15A	protein phosphatase 1, regulatory (inhibitor) subunit 15A	-0.3208662
TLX3	T-cell leukemia homeobox 3	-0.32100236
UBC	ubiquitin C	-0.32102045
RASEF	RAS and EF-hand domain containing	-0.32103944
CORT	cortistatin	-0.3211312
FAM83C	family with sequence similarity 83, member C	-0.3212159
WNT6	wingless-type MMTV integration site family, member 6	-0.32131717
SLC17A1	solute carrier family 17 (sodium phosphate), member 1	-0.32155532
WIPI2	WD repeat domain, phosphoinositide interacting 2	-0.32182512
DUSP13	dual specificity phosphatase 13	-0.32189742
PTRH1	peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae)	-0.32193777
RPLP1	ribosomal protein, large, P1	-0.32221222
CTBP1	C-terminal binding protein 1	-0.32264045
DUOX1	dual oxidase 1	-0.32276624
RECQL4	RecQ protein-like 4	-0.32278207
FSCN3	fascin homolog 3, actin-bundling protein, testicular (Strongylocentrotus	-0.32292292
APOA1	apolipoprotein A-I	-0.3230429
IRX2	iroquois homeobox protein 2	-0.32317236
PITX3	paired-like homeodomain transcription factor 3	-0.3234167
HPD	4-hydroxyphenylpyruvate dioxygenase	-0.32349125
EGFL8	EGF-like-domain, multiple 8	-0.32351604
SOX30	SRY (sex determining region Y)-box 30	-0.3236823
PDE6B	phosphodiesterase 6B, cGMP-specific, rod, beta (congenital stationary	-0.32375026
GHDC	GH3 domain containing	-0.32379878
HSD3B7	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isom	-0.32397127
USP38	ubiquitin specific peptidase 38	-0.32419753
ARTN	artemin	-0.32446033
PRAP1	proline-rich acidic protein 1	-0.32451692
WEE2	WEE1 homolog 2 (S. pombe)	-0.3245884
ST8SIA2	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2	-0.324615
VAX2	ventral anterior homeobox 2	-0.32467425
GPR44	G protein-coupled receptor 44	-0.3247055
CLEC3B	C-type lectin domain family 3, member B	-0.3249529
TG	thyroglobulin	-0.32516408
TCEA1	transcription elongation factor A (SII), 1	-0.32523406
LST1	leukocyte specific transcript 1	-0.32532552

TCF23	transcription factor 23	-0.3256431
SART1	squamous cell carcinoma antigen recognised by T cells	-0.32572845
POU2F3	POU domain, class 2, transcription factor 3	-0.3258707
FOXH1	forkhead box H1	-0.32595545
HSPB7	heat shock 27kDa protein family, member 7 (cardiovascular)	-0.3260183
SPRR3	small proline-rich protein 3	-0.32618237
TNFRSF13B	tumor necrosis factor receptor superfamily, member 13B	-0.32618767
ACPT	acid phosphatase, testicular	-0.32627782
KRT75	keratin 75	-0.3263265
AMICA1	adhesion molecule, interacts with CXADR antigen 1	-0.32636493
GCG	glucagon	-0.32666904
COL17A1	collagen, type XVII, alpha 1	-0.32667413
CHAT	choline acetyltransferase	-0.32677826
KCTD17	potassium channel tetramerisation domain containing 17	-0.32696244
FAM46A	family with sequence similarity 46, member A	-0.32747343
PAX2	paired box gene 2	-0.32751176
NOXA1	NADPH oxidase activator 1	-0.32751966
CCDC40	coiled-coil domain containing 40	-0.3276128
PRSS27	protease, serine 27	-0.32766923
IRF4	interferon regulatory factor 4	-0.32769138
AQP3	aquaporin 3 (Gill blood group)	-0.32810354
HPX	hemopexin	-0.32816702
EXOC3L	exocyst complex component 3-like	-0.32827428
LDHAL6B	lactate dehydrogenase A-like 6B	-0.3284209
MRM1	mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae)	-0.32844996
KIF26A	kinesin family member 26A	-0.3284598
TMEM121	transmembrane protein 121	-0.32877043
PCP2	Purkinje cell protein 2	-0.32880366
TSSK3	testis-specific serine kinase 3	-0.32894033
TNN	tenascin N	-0.32901582
ICAM4	intercellular adhesion molecule 4 (Landsteiner-Wiener blood group)	-0.3290318
IL19	interleukin 19	-0.32925597
TRIP6	thyroid hormone receptor interactor 6	-0.32934088
TNNI2	troponin I type 2 (skeletal, fast)	-0.3294188
SLC25A29	solute carrier family 25, member 29	-0.32945707
EMID1	EMI domain containing 1	-0.3295592
COG3	component of oligomeric golgi complex 3	-0.32955953
SPATA22	spermatogenesis associated 22	-0.32994613
HDAC5	histone deacetylase 5	-0.32997635
CALCOCO2	calcium binding and coiled-coil domain 2	-0.3300479
AIG1	androgen-induced 1	-0.33046523
ART4	ADP-ribosyltransferase 4 (Dombrock blood group)	-0.33046976
HHLA1	HERV-H LTR-associating 1	-0.33060586
INSM1	insulinoma-associated 1	-0.33064246
HMX3	homeobox (H6 family) 3	-0.33072847
VIPR1	vasoactive intestinal peptide receptor 1	-0.33076286
IHH	Indian hedgehog homolog (Drosophila)	-0.33082148
SLC18A3	solute carrier family 18 (vesicular acetylcholine), member 3	-0.33102727
SLC26A11	solute carrier family 26, member 11	-0.33116597
ATP5J	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6	-0.33157524
VEGFB	vascular endothelial growth factor B	-0.33163756
CD8A	CD8a molecule	-0.33175355
CDX1	caudal type homeobox transcription factor 1	-0.33184534
PRRXL1	paired related homeobox-like 1	-0.3319657
ACAD10	acyl-Coenzyme A dehydrogenase family, member 10	-0.33201805
DOCK6	dedicator of cytokinesis 6	-0.3320297
HMCN1	hemicentin 1	-0.33212057
PAPOLB	poly(A) polymerase beta (testis specific)	-0.33214182
CRYAB	crystallin, alpha B	-0.33215472
PRKAG3	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	-0.33234102
AKAP14	A kinase (PRKA) anchor protein 14	-0.33243033
RIBC2	RIB43A domain with coiled-coils 2	-0.3325869
SLURP1	secreted LY6/PLAUR domain containing 1	-0.3326214
HILS1	histone linker H1 domain, spermatid-specific 1	-0.3326706
GAPDH	glyceraldehyde-3-phosphate dehydrogenase	-0.33279803
ZMYND12	zinc finger, MYND-type containing 12	-0.333035
TNFRSF13C	tumor necrosis factor receptor superfamily, member 13C	-0.3330673

USHBP1	Usher syndrome 1C binding protein 1	-0.3334106
PRH1	proline-rich protein HaeIII subfamily 1	-0.3334198
GALK1	galactokinase 1	-0.3334257
FAM48B1	family with sequence similarity 48, member B1	-0.33356035
FAM110C	-	-0.33367372
SLC6A19	solute carrier family 6 (neutral amino acid transporter), member 19	-0.333892
LAMB3	laminin, beta 3	-0.33394718
SPHK1	sphingosine kinase 1	-0.3339872
CLCNKB	chloride channel Kb	-0.33404067
HSD17B1	hydroxysteroid (17-beta) dehydrogenase 1	-0.33424377
CCDC107	coiled-coil domain containing 107	-0.3347049
SEC24C	SEC24 related gene family, member C (S. cerevisiae)	-0.33472416
LHB	luteinizing hormone beta polypeptide	-0.33507648
ARIH2	ariadne homolog 2 (Drosophila)	-0.3355172
EMB	embigin homolog (mouse)	-0.33556232
FOXL2	forkhead box L2	-0.33557957
WBSCR28	Williams-Beuren syndrome chromosome region 28	-0.33563527
MYO7B	myosin VIIB	-0.3356778
CLEC11A	C-type lectin domain family 11, member A	-0.33582252
LCE3B	late cornified envelope 3B	-0.33583674
ROD1	ROD1 regulator of differentiation 1 (S. pombe)	-0.33589923
NR5A1	nuclear receptor subfamily 5, group A, member 1	-0.33615765
PGLYRP3	peptidoglycan recognition protein 3	-0.33617267
TEAD4	TEA domain family member 4	-0.33642894
RB1CC1	RB1-inducible coiled-coil 1	-0.3367334
BIRC7	baculoviral IAP repeat-containing 7 (livin)	-0.3368152
S100A16	S100 calcium binding protein A16	-0.33694294
TMEM102	transmembrane protein 102	-0.3371809
MAML1	mastermind-like 1 (Drosophila)	-0.33734536
TULP1	tubby like protein 1	-0.33736232
RTDR1	rhabdoid tumor deletion region gene 1	-0.33793402
IER5L	immediate early response 5-like	-0.33798024
CCDC105	coiled-coil domain containing 105	-0.33798352
OC90	otoconin 90	-0.3381747
SAMD3	sterile alpha motif domain containing 3	-0.338226
AGMAT	agmatine ureohydrolase (agmatinase)	-0.33824256
FEN1	flap structure-specific endonuclease 1	-0.33850807
SOX3	SRY (sex determining region Y)-box 3	-0.33862874
KRTAP3-2	keratin associated protein 3-2	-0.3387443
CHCHD6	coiled-coil-helix-coiled-coil-helix domain containing 6	-0.33875552
ZMYND10	zinc finger, MYND-type containing 10	-0.3387561
FOSL1	FOS-like antigen 1	-0.33907282
JAK3	Janus kinase 3 (a protein tyrosine kinase, leukocyte)	-0.33964333
DMBT1	deleted in malignant brain tumors 1	-0.33987847
PRSS21	protease, serine, 21 (testisin)	-0.34003562
FAM45A	family with sequence similarity 45, member A	-0.34019423
COL4A4	collagen, type IV, alpha 4	-0.34093794
CEACAM19	carcinoembryonic antigen-related cell adhesion molecule 19	-0.3413814
MAGEA3	melanoma antigen family A, 3	-0.34174708
CYP2S1	cytochrome P450, family 2, subfamily S, polypeptide 1	-0.34176782
GOLPH3	golgi phosphoprotein 3 (coat-protein)	-0.34181973
TBX21	T-box 21	-0.34202486
CASC1	cancer susceptibility candidate 1	-0.34211007
IL18RAP	interleukin 18 receptor accessory protein	-0.34212515
CCDC27	coiled-coil domain containing 27	-0.34217423
KRT40	keratin 40	-0.34232518
MFSD5	major facilitator superfamily domain containing 5	-0.34258276
KLHDC4	kelch domain containing 4	-0.34276596
ZG16	-	-0.3431543
NFATC4	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent	-0.3432918
DMRTB1	DMRT-like family B with proline-rich C-terminal, 1	-0.343567
ALX3	aristaless-like homeobox 3	-0.34379402
GPR50	G protein-coupled receptor 50	-0.34401262
XCR1	chemokine (C motif) receptor 1	-0.3446729
RBL1	retinoblastoma-like 1 (p107)	-0.34494177
DHRS2	dehydrogenase/reductase (SDR family) member 2	-0.34509537
CCDC121	coiled-coil domain containing 121	-0.3452324

SPATC1	spermatogenesis and centriole associated 1	-0.34566945
HAL	histidine ammonia-lyase	-0.34585735
ARHGAP23	Rho GTPase activating protein 23	-0.34644938
PDLIM2	PDZ and LIM domain 2 (mystique)	-0.34647465
CCDC59	coiled-coil domain containing 59	-0.34677953
UNC45B	unc-45 homolog B (C. elegans)	-0.3468751
IGF2BP1	insulin-like growth factor 2 mRNA binding protein 1	-0.3469372
HOXA1	homeobox A1	-0.34714004
SLC12A8	solute carrier family 12 (potassium/chloride transporters), member 8	-0.34715575
COL13A1	collagen, type XIII, alpha 1	-0.3473433
EPS8L2	EPS8-like 2	-0.34753358
COL4A5	collagen, type IV, alpha 5 (Alport syndrome)	-0.3476183
MIXL1	Mix1 homeobox-like 1 (Xenopus laevis)	-0.34772068
CASR	calcium-sensing receptor (hypocalciuric hypercalcemia 1, severe neonatal)	-0.3477495
VGLL2	vestigial like 2 (Drosophila)	-0.34778076
CHRNA2	cholinergic receptor, nicotinic, alpha 2 (neuronal)	-0.34804595
FANCF	Fanconi anemia, complementation group F	-0.34875977
MAGEB3	melanoma antigen family B, 3	-0.34903887
ITGB4	integrin, beta 4	-0.3493989
UPK3A	uropod 3A	-0.34959126
GPC2	glypican 2 (cerebroglycan)	-0.34980327
KRT15	keratin 15	-0.3500175
CCDC67	coiled-coil domain containing 67	-0.35027495
GPT	glutamic-pyruvate transaminase (alanine aminotransferase)	-0.35037428
SEPN1	selenoprotein N, 1	-0.35062304
PLA2G2C	phospholipase A2, group IIC	-0.3509837
LOXHD1	lipoxygenase homology domains 1	-0.35100788
OAS3	2'-5'-oligoadenylate synthetase 3, 100kDa	-0.35152754
KCNK18	potassium channel, subfamily K, member 18	-0.35179695
TREH	trehalase (brush-border membrane glycoprotein)	-0.3522556
MYO18B	myosin XVIIIIB	-0.35226062
SOCS1	suppressor of cytokine signaling 1	-0.3531087
IL20RB	interleukin 20 receptor beta	-0.35414234
FCRL1	Fc receptor-like 1	-0.3542958
WNT10A	wingless-type MMTV integration site family, member 10A	-0.35438716
LTA	lymphotoxin alpha (TNF superfamily, member 1)	-0.3545855
PDIA2	protein disulfide isomerase family A, member 2	-0.35474893
CCNL2	cyclin L2	-0.3548045
SYNPO2L	synaptopodin 2-like	-0.35483083
RHBDL2	rhomboid, veinlet-like 2 (Drosophila)	-0.3549761
TFF1	trefoil factor 1 (breast cancer, estrogen-inducible sequence expressed)	-0.35521054
TMEM71	transmembrane protein 71	-0.35550025
COL9A1	collagen, type IX, alpha 1	-0.35574105
DMRTA1	DMRT-like family A1	-0.3558524
NIPSNAP3A	nipsnap homolog 3A (C. elegans)	-0.35586417
E2F8	E2F transcription factor 8	-0.3560893
CHIT1	chitinase 1 (chitotriosidase)	-0.35615036
CLEC4G	C-type lectin superfamily 4, member G	-0.35617465
SASH1	SAM and SH3 domain containing 1	-0.35653406
TTN	titin	-0.35653505
FBXL22	F-box and leucine-rich repeat protein 22	-0.3565921
PDGFA	platelet-derived growth factor alpha polypeptide	-0.356759
LRRC18	leucine rich repeat containing 18	-0.3568657
TBX22	T-box 22	-0.35740843
ATP6V0A2	ATPase, H+ transporting, lysosomal V0 subunit a2	-0.35755914
NRK	Nik related kinase	-0.35758832
KRT83	keratin 83	-0.35780305
PPEF2	protein phosphatase, EF-hand calcium binding domain 2	-0.35795113
KRT4	keratin 4	-0.35813442
PHLDB3	pleckstrin homology-like domain, family B, member 3	-0.3581751
TTLL10	tubulin tyrosine ligase-like family, member 10	-0.35825977
EMID2	EMI domain containing 2	-0.3583557
PDPN	podoplanin	-0.35864565
FAIM3	Fas apoptotic inhibitory molecule 3	-0.35870594
HPS6	Hermansky-Pudlak syndrome 6	-0.3591116
APOA5	apolipoprotein A-V	-0.359543
APOA2	apolipoprotein A-II	-0.3595812

TRIM52	tripartite motif-containing 52	-0.3595879
RBM6	RNA binding motif protein 6	-0.35961252
LALBA	lactalbumin, alpha-	-0.35962236
GRK1	G protein-coupled receptor kinase 1	-0.35993043
TXNDC8	thioredoxin domain containing 8	-0.36050388
TRPV3	transient receptor potential cation channel, subfamily V, member 3	-0.36095247
RPAP1	RNA polymerase II associated protein 1	-0.36115152
PDZD7	PDZ domain containing 7	-0.36153594
EVPL	envoplakin	-0.36154217
RAB39	RAB39, member RAS oncogene family	-0.36232394
BFSP2	beaded filament structural protein 2, phakinin	-0.36247802
CRYBB1	crystallin, beta B1	-0.36257076
NOX1	NADPH oxidase 1	-0.3627377
UTS2	urotensin 2	-0.36275038
RSPO4	R-spondin family, member 4	-0.36291823
TBX18	T-box 18	-0.363064
FCRLB	Fc receptor-like B	-0.36315578
NUDC	nuclear distribution gene C homolog (A. nidulans)	-0.36327404
TNFSF11	tumor necrosis factor (ligand) superfamily, member 11	-0.3633313
HDGFL1	hepatoma derived growth factor-like 1	-0.36362118
ESRRA	estrogen-related receptor alpha	-0.3639696
INSC	inscuteable homolog (Drosophila)	-0.36415774
ATP6V0A4	ATPase, H+ transporting, lysosomal V0 subunit a4	-0.36417645
KIF7	kinesin family member 7	-0.36476207
CBFA2T3	core-binding factor, runt domain, alpha subunit 2; translocated to, 3	-0.36487225
HSPA1B	heat shock 70kDa protein 1B	-0.3649087
PRDM6	PR domain containing 6	-0.3652577
MEGF6	multiple EGF-like-domains 6	-0.36551794
ZYG11A	zyg-11 homolog A (C. elegans)	-0.36564836
GDF15	growth differentiation factor 15	-0.36582407
FAM19A3	family with sequence similarity 19 (chemokine (C-C motif)-like), memb	-0.3658914
SPIB	Spi-B transcription factor (Spi-1/PU.1 related)	-0.3662927
SLC5A10	solute carrier family 5 (sodium/glucose cotransporter), member 10	-0.36659122
INTS5	integrator complex subunit 5	-0.3670776
PSMA3	proteasome (prosome, macropain) subunit, alpha type, 3	-0.3670841
PARD3B	par-3 partitioning defective 3 homolog B (C. elegans)	-0.3673068
ZBTB7C	zinc finger and BTB domain containing 7C	-0.36751515
STAC3	SH3 and cysteine rich domain 3	-0.3676993
ANKK1	ankyrin repeat and kinase domain containing 1	-0.3677793
FOXE3	forkhead box E3	-0.36795834
LRMP	lymphoid-restricted membrane protein	-0.3681105
PNMT	phenylethanolamine N-methyltransferase	-0.36882654
ZC3H12D	zinc finger CCCH-type containing 12D	-0.36928925
RABEP2	rabaptin, RAB GTPase binding effector protein 2	-0.36960235
PLB1	phospholipase B1	-0.36985746
OLR1	oxidised low density lipoprotein (lectin-like) receptor 1	-0.3699744
ODF3	outer dense fiber of sperm tails 3	-0.37012577
FHAD1	forkhead-associated (FHA) phosphopeptide binding domain 1	-0.370145
ANKS4B	ankyrin repeat and sterile alpha motif domain containing 4B	-0.37024975
POM121L2	POM121 membrane glycoprotein-like 2 (rat)	-0.37026146
ZIC5	Zic family member 5 (odd-paired homolog, Drosophila)	-0.37030923
JSRP1	junctional sarcoplasmic reticulum protein 1	-0.3705947
FOXM1	forkhead box M1	-0.37061337
HSPB2	heat shock 27kDa protein 2	-0.370791
DOK3	docking protein 3	-0.37080535
TUSC5	tumor suppressor candidate 5	-0.37099314
SYT8	synaptotagmin VIII	-0.37103054
RFK	riboflavin kinase	-0.37133497
CCDC42	coiled-coil domain containing 42	-0.37142003
LRP2	low density lipoprotein-related protein 2	-0.37165067
DHRS13	dehydrogenase/reductase (SDR family) member 13	-0.3721696
ZDHHC12	zinc finger, DHHC-type containing 12	-0.37220472
KLHL9	kelch-like 9 (Drosophila)	-0.37222806
ALPPL2	alkaline phosphatase, placental-like 2	-0.372316
PYHIN1	pyrin and HIN domain family, member 1	-0.37318859
WNK4	WNK lysine deficient protein kinase 4	-0.373285
KCNH4	potassium voltage-gated channel, subfamily H (eag-related), member	-0.37348852

CCRL1	chemokine (C-C motif) receptor-like 1	-0.37361336
SPIC	Spi-C transcription factor (Spi-1/PU.1 related)	-0.3740765
SLC1A7	solute carrier family 1 (glutamate transporter), member 7	-0.37427658
SPACA4	sperm acrosome associated 4	-0.37431985
XKR8	XK, Kell blood group complex subunit-related family, member 8	-0.37467825
LCN9	lipocalin 9	-0.374817
HES7	hairy and enhancer of split 7 (Drosophila)	-0.37490717
MYOT	myotilin	-0.37493467
FGF8	fibroblast growth factor 8 (androgen-induced)	-0.37600437
NRBP1	nuclear receptor binding protein 1	-0.37602797
DISC1	disrupted in schizophrenia 1	-0.37606177
SSPO	SCO-spondin homolog (Bos taurus)	-0.3761873
HAND2	heart and neural crest derivatives expressed 2	-0.37635294
DCAKD	dephospho-CoA kinase domain containing	-0.3763854
FAM101A	family with sequence similarity 101, member A	-0.37660074
MAGEB5	melanoma antigen family B, 5	-0.37674373
GPR113	G protein-coupled receptor 113	-0.3768037
MYBPC2	myosin binding protein C, fast type	-0.37711614
ATOH7	atonal homolog 7 (Drosophila)	-0.37724227
GRIN3B	glutamate receptor, ionotropic, N-methyl-D-aspartate 3B	-0.37736037
STX11	syntaxin 11	-0.37789267
PRSS1	protease, serine, 1 (trypsin 1)	-0.37813598
GNA14	guanine nucleotide binding protein (G protein), alpha 14	-0.37816712
SLC35D3	solute carrier family 35, member D3	-0.37827703
HMX2	homeobox (H6 family) 2	-0.37904364
VSIG8	V-set and immunoglobulin domain containing 8	-0.3791021
BCR	breakpoint cluster region	-0.37922993
PYCR2	pyrroline-5-carboxylate reductase family, member 2	-0.37944084
DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1)	-0.3796981
KRT27	keratin 27	-0.37997633
CNKSR1	connector enhancer of kinase suppressor of Ras 1	-0.38014564
CASZ1	castor homolog 1, zinc finger (Drosophila)	-0.3805611
WDR49	WD repeat domain 49	-0.38060203
UCP1	uncoupling protein 1 (mitochondrial, proton carrier)	-0.38074952
MTHFR	5,10-methylenetetrahydrofolate reductase (NADPH)	-0.38089925
NANOG	Nanog homeobox	-0.3811184
MS4A10	membrane-spanning 4-domains, subfamily A, member 10	-0.3817491
VSX1	visual system homeobox 1 homolog, CHX10-like (zebrafish)	-0.38216934
NFATC1	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent	-0.382661
GDF2	growth differentiation factor 2	-0.38304198
MOSC1	MOCO sulphurase C-terminal domain containing 1	-0.38355136
EMX1	empty spiracles homolog 1 (Drosophila)	-0.384408
MAD2L2	MAD2 mitotic arrest deficient-like 2 (yeast)	-0.3844343
ST3GAL4	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	-0.38503715
KLF17	Kruppel-like factor 17	-0.38515618
IL22	interleukin 22	-0.38633513
FRYL	furry homolog-like (Drosophila)	-0.38637367
CMTM5	CKLF-like MARVEL transmembrane domain containing 5	-0.38650826
BBS10	Bardet-Biedl syndrome 10	-0.3867639
EN1	engrailed homolog 1	-0.3874502
SNRPA	small nuclear ribonucleoprotein polypeptide A	-0.38754904
NOTO	notochord homolog (Xenopus laevis)	-0.38812906
USP6NL	USP6 N-terminal like	-0.38827163
ADRB3	adrenergic, beta-3-, receptor	-0.38832045
GNAT2	guanine nucleotide binding protein (G protein), alpha transducing activ	-0.38892472
SMEK2	-	-0.3889265
TRIM38	tripartite motif-containing 38	-0.38936058
PNLIP	pancreatic lipase	-0.3895639
COL9A2	collagen, type IX, alpha 2	-0.39053407
COL27A1	collagen, type XXVII, alpha 1	-0.39105022
ABP1	amiloride binding protein 1 (amine oxidase (copper-containing))	-0.39126772
SLC26A9	solute carrier family 26, member 9	-0.39186245
HS3ST6	heparan sulfate (glucosamine) 3-O-sulfotransferase 6	-0.39216748
RHBDD3	rhomboid domain containing 3	-0.39221904
CITED4	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-termina	-0.3926007
OIT3	oncprotein induced transcript 3	-0.39464504
TRIM7	tripartite motif-containing 7	-0.39503866

EVX2	eve, even-skipped homeobox homolog 2 (Drosophila)	-0.3953421
IFITM5	interferon induced transmembrane protein 5	-0.39570943
ACADS	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain	-0.3957314
ESM1	endothelial cell-specific molecule 1	-0.3965089
OPN4	opsin 4 (melanopsin)	-0.3971403
CAV3	caveolin 3	-0.3979526
VAMP5	vesicle-associated membrane protein 5 (myobrevin)	-0.398297
KLC3	kinesin light chain 3	-0.39833748
PAX8	paired box gene 8	-0.39954993
ZP1	zona pellucida glycoprotein 1 (sperm receptor)	-0.3998493
RTL1	retrotransposon-like 1	-0.4003509
HAND1	heart and neural crest derivatives expressed 1	-0.40042844
SLFNL1	schlafen-like 1	-0.40045607
RBM38	RNA binding motif protein 38	-0.40059757
UCN	urocortin	-0.4010005
FAM89A	family with sequence similarity 89, member A	-0.40166265
AHRR	aryl-hydrocarbon receptor repressor	-0.40249768
LRRC17	leucine rich repeat containing 17	-0.40370616
HOXD4	homeobox D4	-0.40399042
ZBTB32	zinc finger and BTB domain containing 32	-0.4042247
FOXD2	forkhead box D2	-0.40426946
GCM2	glial cells missing homolog 2 (Drosophila)	-0.40488234
MARCO	macrophage receptor with collagenous structure	-0.40502042
KCTD19	potassium channel tetramerisation domain containing 19	-0.40920553
TRIM15	tripartite motif-containing 15	-0.40977654
PIPOX	pipecolic acid oxidase	-0.41131815
VIL1	villin 1	-0.41155627
CCDC78	coiled-coil domain containing 78	-0.4130221
TAF1C	TATA box binding protein (TBP)-associated factor, RNA polymerase I,	-0.41434678
TRIM63	tripartite motif-containing 63	-0.41552678
GRHL2	grainyhead-like 2 (Drosophila)	-0.4157195
KRTAP4-6	keratin associated protein 4-6	-0.4202012
SALL4	sal-like 4 (Drosophila)	-0.4208297
PNMA5	paraneoplastic antigen like 5	-0.42186302
GJB5	gap junction protein, beta 5 (connexin 31.1)	-0.42244822
WDR62	WD repeat domain 62	-0.42456573
ETV4	ets variant gene 4 (E1A enhancer binding protein, E1AF)	-0.425156
EIF4E	eukaryotic translation initiation factor 4E	-0.42622712
KLHDC7B	kelch domain containing 7B	-0.42646575
PIGP	phosphatidylinositol glycan anchor biosynthesis, class P	-0.42660737
STYK1	serine/threonine/tyrosine kinase 1	-0.42742273
TMEM20	transmembrane protein 20	-0.42828754
HSPA1A	heat shock 70kDa protein 1A	-0.42884487
GJA3	gap junction protein, alpha 3, 46kDa (connexin 46)	-0.430447
NEUROG1	neurogenin 1	-0.43222058
TNP2	transition protein 2 (during histone to protamine replacement)	-0.43745685
GCM1	glial cells missing homolog 1 (Drosophila)	-0.4385485
SOHLH2	spermatogenesis and oogenesis specific basic helix-loop-helix 2	-0.43984187
ESCO2	establishment of cohesion 1 homolog 2 (S. cerevisiae)	-0.44171968
HAAO	3-hydroxyanthranilate 3,4-dioxygenase	-0.44287643
PCBD2	pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hep	-0.44871193
PIGV	phosphatidylinositol glycan anchor biosynthesis, class V	-0.45378387
BRIP1	BRCA1 interacting protein C-terminal helicase 1	-0.45509273
HOXB9	homeobox B9	-0.46148476
RPA2	replication protein A2, 32kDa	-0.46516937
IL12RB2	interleukin 12 receptor, beta 2	-0.4671834
CKB	creatine kinase, brain	-0.47016615
DNAJC17	DnaJ (Hsp40) homolog, subfamily C, member 17	-0.47100663
ARR3	arrestin 3, retinal (X-arrestin)	-0.4737108
ANKDD1A	ankyrin repeat and death domain containing 1A	-0.47514236
ARID3A	AT rich interactive domain 3A (BRIGHT- like)	-0.47820824
PTCRA	pre T-cell antigen receptor alpha	-0.4785191
DNASE2B	deoxyribonuclease II beta	-0.47862393
BTLA	B and T lymphocyte associated	-0.48323575
ECT2L	epithelial cell transforming sequence 2 oncogene-like	-0.48650017
PAFAH2	platelet-activating factor acetylhydrolase 2, 40kDa	-0.515924
ITGA10	integrin, alpha 10	-0.537021

CLCNKA	chloride channel Ka	-0.5906049
NBL1	neuroblastoma, suppression of tumorigenicity 1	-0.68083024
