

Supplemental Table S2. Mmu-miR-206-3p *in silico* predicted targets.

TARGET GENE	GENE DESCRIPTION	VALIDATION	DIANA	MIRANDA	MIRBRIDGE	PICTAR	PITA	RNA22	TARGETSCAN	TOTAL_HIT
MET	met proto-oncogene	V	V	V	V	V	V	V	V	8
GJA1	gap junction protein, alpha 1, 43kDa	V	V	V	V	V	V		V	7
TRIM2	tripartite motif containing 2		V	V	V	V	V	V	V	7
UBN1	ubiquitin 1		V	V	V	V	V	V	V	7
BCL11A	B-cell CLL/lymphoma 11A (zinc finger protein)		V	V	V	V	V	V	V	7
ETS1	v-ets avian erythroblastosis virus E26 oncogene homolog 1		V	V	V	V	V	V	V	7
RASA1	RAS p21 protein activator (GTPase activating protein) 1		V	V	V	V	V	V	V	7
PTPLAD1	protein tyrosine phosphatase-like A domain containing 1		V	V	V	V	V	V	V	7
NRP1	neuropilin 1		V	V	V	V	V	V	V	7
ANXA4	annexin A4		V	V	V	V	V	V	V	7
KLF13	Kruppel-like factor 13		V	V	V	V	V	V	V	7
THBS1	thrombospondin 1		V	V	V	V	V	V	V	7
HNRNPU	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)		V	V	V	V	V	V	V	7
JARID2	jumonji, AT rich interactive domain 2		V	V	V	V	V	V	V	7
MMD	monocyte to macrophage differentiation-associated		V	V	V	V	V	V	V	7
ADAR	adenosine deaminase, RNA-specific		V	V	V	V	V		V	6
HSP90B1	heat shock protein 90kDa beta (Grp94), member 1		V	V	V	V	V		V	6
FZD7	frizzled family receptor 7		V	V	V	V	V		V	6
TBP	TATA box binding protein		V	V	V	V	V		V	6
PAX3	paired box 3		V	V	V	V	V		V	6
PAFAH1B1	platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa)		V	V		V	V	V	V	6
FUBP1	far upstream element (FUSE) binding protein 1		V	V	V	V	V		V	6
IGF1	insulin-like growth factor 1 (somatomedin C)		V	V	V		V	V	V	6
FRAS1	Fraser syndrome 1		V	V		V	V	V	V	6
FOSB	FBJ murine osteosarcoma viral oncogene homolog B		V	V	V	V	V		V	6
HOXB4	homeobox B4		V	V		V	V	V	V	6
KCNIP3	Kv channel interacting protein 3, calsenilin		V	V	V	V		V	V	6
FBXO33	F-box protein 33		V	V		V	V	V	V	6
KCTD13	potassium channel tetramerization domain containing 13		V	V		V	V	V	V	6
KIF2A	kinesin heavy chain member 2A		V	V		V	V	V	V	6
GCLC	glutamate-cysteine ligase, catalytic subunit		V	V	V	V		V	V	6
SPRED1	sprouty-related, EVH1 domain containing 1		V	V		V	V	V	V	6
SP2	Sp2 transcription factor		V	V	V	V	V		V	6
TIMP3	TIMP metalloproteinase inhibitor 3		V		V	V	V	V	V	6
PFN2	profilin 2		V	V	V		V	V	V	6
AP3D1	adaptor-related protein complex 3, delta 1 subunit		V	V	V	V	V		V	6
ZNF236	zinc finger protein 236		V	V		V	V	V	V	6

ARCN1	archain 1		V	V	V	V	V		V	6
RARB	retinoic acid receptor, beta		V	V		V	V	V	V	6
NR4A2	nuclear receptor subfamily 4, group A, member 2		V	V	V	V	V		V	6
SOX9	SRY (sex determining region Y)-box 9		V	V	V		V	V	V	6
UTRN	utrophin	V	V	V	V		V		V	6
LIN7C	lin-7 homolog C (C. elegans)		V	V		V	V	V	V	6
NOTCH3	notch 3		V	V	V	V		V	V	6
SRSF9	Serine And Arginine Rich Splicing Factor 9		V	V	V	V	V		V	6
SRSF3	Serine And Arginine Rich Splicing Factor 3		V	V	V	V	V		V	6
TRA2B	Transformer 2 Beta Homolog		V	V	V	V	V		V	6
PSIP1	PC4 And SFRS1 Interacting Protein 1		V	V	V	V	V		V	6
EIF4E	eukaryotic translation initiation factor 4E		V	V	V	V	V		V	6
SFRP1	secreted frizzled-related protein 1		V	V	V	V	V		V	6
YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide		V	V	V	V	V		V	6
EFNB2	ephrin-B2		V	V	V	V	V		V	6
EDN1	endothelin 1		V	V	V	V	V		V	6
BACH2	BTB and CNC homology 1, basic leucine zipper transcription factor 2		V	V		V	V	V	V	6
BAG4	BCL2-associated athanogene 4		V	V	V	V	V	V		6
HDAC4	histone deacetylase 4		V	V	V	V	V		V	6
NFAT5	nuclear factor of activated T-cells 5, tonicity-responsive		V	V	V	V		V	V	6
MAP1A	microtubule-associated protein 1A		V	V	V	V	V		V	6
DMPK	dystrophia myotonica-protein kinase		V	V	V	V	V		V	6
MAP4K3	mitogen-activated protein kinase kinase kinase kinase 3		V	V	V	V	V		V	6
BDNF	brain-derived neurotrophic factor		V	V	V	V	V		V	6
NDRG3	NDRG family member 3		V	V		V	V	V	V	6
DHX15	DEAH (Asp-Glu-Ala-His) box helicase 15		V	V	V	V	V		V	6
MATR3	matrin 3		V	V	V	V	V		V	6
TNKS2	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2		V	V	V	V	V		V	6
RIT2	Ras-like without CAAX 2		V	V	V	V	V		V	6
DDX5	DEAD (Asp-Glu-Ala-Asp) box helicase 5		V	V	V	V	V		V	6
MED1	mediator complex subunit 1		V	V	V	V	V		V	6
BSN	bassoon presynaptic cytomatrix protein		V		V	V	V	V	V	6
NCL	nucleolin		V	V	V		V	V	V	6
WDR1	WD repeat domain 1		V	V	V	V	V		V	6
CTTNBP2NL	CTTNBP2 N-terminal like		V		V	V	V	V	V	6
SNX2	sorting nexin 2		V	V	V	V	V		V	6
RYBP	RING1 and YY1 binding protein		V	V	V		V	V	V	6
TSPYL4	TSPY-like 4		V	V	V	V	V		V	6
MSANTD2	Myb/SANT DNA Binding Domain Containing 2		V	V		V	V	V	V	6
VGLL4	vestigial like 4 (Drosophila)		V	V	V	V	V		V	6

RNF138	ring finger protein 138, E3 ubiquitin protein ligase	V	V		V	V	V	V	6
MYLK	myosin light chain kinase	V	V	V	V	V		V	6
HS3ST3B1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	V	V		V	V	V	V	6
VEGFA	vascular endothelial growth factor A	V	V	V		V	V	V	6
MNT	MNT, MAX dimerization protein	V	V	V	V	V		V	6
RNF38	ring finger protein 38	V	V		V	V	V	V	6
CREM	cAMP responsive element modulator	V	V	V	V	V		V	6
TMEM243	Transmembrane Protein 243	V	V		V	V	V	V	6
MPP5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	V		V	V	V	V	V	6
VAMP4	vesicle-associated membrane protein 4	V	V	V	V	V		V	6
CORO1C	coronin, actin binding protein, 1C	V		V	V	V	V	V	6
VAMP2	vesicle-associated membrane protein 2 (synaptobrevin 2)	V	V	V	V	V		V	6
UST	uronyl-2-sulfotransferase	V	V	V	V	V		V	6
RRBP1	ribosome binding protein 1	V	V	V	V	V		V	6
SNAP25	synaptosomal-associated protein, 25kDa	V	V	V	V	V		V	6
CNN3	calponin 3, acidic	V	V	V	V	V		V	6
CLTC	clathrin, heavy chain (Hc)	V	V	V	V	V		V	6
CLCN3	chloride channel, voltage-sensitive 3	V	V		V	V	V	V	6
RSBN1	round spermatid basic protein 1	V	V	V	V	V		V	6
UBE4A	ubiquitination factor E4A	V	V	V	V	V		V	6
SULF1	sulfatase 1	V	V	V		V	V	V	6
CCND2	cyclin D2	V	V	V	V	V		V	6
CD164	CD164 molecule, sialomucin	V	V	V		V	V	V	6
CDK6	cyclin-dependent kinase 6	V	V		V	V	V	V	6
CD2AP	CD2-associated protein	V	V	V		V		V	5
CDC42	cell division cycle 42	V	V	V	V			V	5
MPZ	myelin protein zero	V	V	V	V			V	5
CDK9	cyclin-dependent kinase 9	V	V	V	V			V	5
CCND1	cyclin D1	V		V	V		V	V	5
CEBPZ	CCAAT/enhancer binding protein (C/EBP), zeta	V	V	V		V	V		5
RSBN1L	round spermatid basic protein 1-like	V	V		V	V		V	5
CHSY1	chondroitin sulfate synthase 1	V	V	V		V	V		5
CITED2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	V	V	V		V		V	5
CBL	Cbl proto-oncogene, E3 ubiquitin protein ligase	V	V	V		V		V	5
UBE2H	ubiquitin-conjugating enzyme E2H	V	V		V	V		V	5
UBR5	ubiquitin protein ligase E3 component n-recognin 5	V	V		V	V		V	5
USP33	ubiquitin specific peptidase 33	V		V	V	V		V	5
COL4A3	collagen, type IV, alpha 3 (Goodpasture antigen)	V	V	V	V			V	5
CAPRIN1	cell cycle associated protein 1	V	V	V		V		V	5
CAAP1	Caspase Activity And Apoptosis Inhibitor 1	V	V		V	V		V	5

RNGTT	RNA guanylyltransferase and 5'-phosphatase	V	V		V	V		V	5
CPEB1	cytoplasmic polyadenylation element binding protein 1	V	V		V	V		V	5
RSPO3	R-spondin 3	V	V		V	V		V	5
TWF1	twinfilin actin-binding protein 1	V	V	V		V		V	5
CREB5	cAMP responsive element binding protein 5	V	V	V		V		V	5
CREBL2	cAMP responsive element binding protein-like 2	V	V		V	V		V	5
VASP	vasodilator-stimulated phosphoprotein	V	V	V		V		V	5
MXD1	MAX dimerization protein 1	V	V	V		V		V	5
MXD4	MAX dimerization protein 4	V		V	V		V	V	5
KMT2E	Lysine Methyltransferase 2E	V	V		V	V		V	5
NAB1	NGFI-A binding protein 1 (EGR1 binding protein 1)	V	V	V		V		V	5
NAMPT	nicotinamide phosphoribosyltransferase	V	V	V		V		V	5
NBEA	neurobeachin	V	V			V	V	V	5
MIPOL1	mirror-image polydactyly 1	V	V		V	V		V	5
NCK2	NCK adaptor protein 2	V	V	V		V		V	5
SEC62	SEC62 homolog (S. cerevisiae)	V	V		V	V		V	5
CYB5B	cytochrome b5 type B (outer mitochondrial membrane)	V	V	V		V		V	5
TRAPPC3	trafficking protein particle complex 3	V	V		V	V		V	5
SEC63	SEC63 homolog (S. cerevisiae)	V	V		V	V		V	5
DAAM1	dishevelled associated activator of morphogenesis 1	V	V		V	V		V	5
TNPO2	transportin 2	V		V	V	V		V	5
MEX3C	mex-3 RNA binding family member C	V	V		V	V		V	5
DDX17	DEAD (Asp-Glu-Ala-Asp) box helicase 17	V	V	V		V		V	5
MEIS1	Meis homeobox 1	V	V		V	V		V	5
BSC12	Berardinelli-Seip congenital lipodystrophy 2 (seipin)	V	V		V		V	V	5
WDR48	WD repeat domain 48	V	V		V	V		V	5
SEMA6D	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D	V		V	V	V		V	5
NCOA3	nuclear receptor coactivator 3	V	V	V	V	V			5
BLCAP	bladder cancer associated protein	V	V		V	V		V	5
WNK3	WNK lysine deficient protein kinase 3	V	V		V	V		V	5
MAPKBP1	mitogen-activated protein kinase binding protein 1	V	V			V	V	V	5
TMEM55B	transmembrane protein 55B	V	V		V	V		V	5
RGS7	regulator of G-protein signaling 7	V	V	V		V	V	V	5
DLG4	discs, large homolog 4 (Drosophila)	V	V		V	V		V	5
BCL7A	B-cell CLL/lymphoma 7A	V	V		V	V		V	5
SETBP1	SET binding protein 1	V		V	V	V		V	5
NEUROD1	neuronal differentiation 1	V	V	V		V	V	V	5
MAL2	mal, T-cell differentiation protein 2 (gene/pseudogene)	V	V		V		V	V	5
MAGI2	membrane associated guanylate kinase, WW and PDZ domain containing 2	V	V	V	V			V	5
TMCC1	transmembrane and coiled-coil domain family 1	V	V		V	V		V	5

E2F5	E2F transcription factor 5, p130-binding	V	V		V	V		V	5
MAB21L1	mab-21-like 1 (C. elegans)	V	V		V	V		V	5
YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	V	V	V	V	V			5
AZIN1	antizyme inhibitor 1	V	V		V	V		V	5
NGFR	nerve growth factor receptor	V	V	V	V			V	5
AGO1	Argonaute 1, RISC Catalytic Component	V	V		V	V		V	5
ZBTB4	zinc finger and BTB domain containing 4	V	V		V	V		V	5
ZIC4	Zic family member 4	V	V		V	V		V	5
ASH2L	ash2 (absent, small, or homeotic)-like (Drosophila)	V	V	V	V			V	5
ZMAT3	zinc finger, matrin-type 3	V	V		V	V		V	5
ARRDC3	arrestin domain containing 3	V	V		V	V	V		5
ARID2	AT rich interactive domain 2 (ARID, RFX-like)	V	V	V		V		V	5
EPB41L1	erythrocyte membrane protein band 4.1-like 1	V	V			V	V	V	5
KTN1	kinectin 1 (kinesin receptor)	V	V		V	V		V	5
RCAN2	regulator of calcineurin 2	V	V		V	V		V	5
EYA4	eyes absent homolog 4 (Drosophila)	V	V		V	V		V	5
AP1G1	adaptor-related protein complex 1, gamma 1 subunit	V	V	V	V	V			5
RAB5A	RAB5A, member RAS oncogene family	V	V	V		V		V	5
THRB	thyroid hormone receptor, beta	V		V	V		V	V	5
ANP32B	acidic (leucine-rich) nuclear phosphoprotein 32 family, member B	V	V		V	V		V	5
QKI	QKI, KH domain containing, RNA binding	V	V		V	V		V	5
CEP44	Centrosomal Protein 44	V	V			V	V	V	5
SLC25A25	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25	V	V		V	V		V	5
KHSRP	KH-type splicing regulatory protein	V	V		V	V		V	5
ANXA2	annexin A2		V	V	V	V		V	5
SLC35F1	solute carrier family 35, member F1	V	V			V	V	V	5
API5	apoptosis inhibitor 5		V	V	V	V		V	5
FBXW7	F-box and WD repeat domain containing 7, E3 ubiquitin protein ligase	V	V	V		V		V	5
TGFBR3	transforming growth factor, beta receptor III	V		V	V	V		V	5
FGF14	fibroblast growth factor 14	V	V	V	V	V			5
OTUB2	OTU domain, ubiquitin aldehyde binding 2	V	V	V		V	V		5
SLC39A10	solute carrier family 39 (zinc transporter), member 10	V	V			V	V	V	5
JOSD1	Josephin domain containing 1	V	V		V	V		V	5
FN1	fibronectin 1	V	V	V	V	V			5
AMOT	angiominin	V	V	V		V		V	5
FNDC3A	fibronectin type III domain containing 3A	V	V		V	V		V	5
FNDC3B	fibronectin type III domain containing 3B	V	V		V	V		V	5
OTUD5	OTU domain containing 5	V	V		V		V	V	5
FOXP1	forkhead box P1	V	V		V	V		V	5
AKAP11	A kinase (PRKA) anchor protein 11	V	V		V	V		V	5

SLC44A1	solute carrier family 44 (choline transporter), member 1	V	V		V	V		V	5
AIF1L	allograft inflammatory factor 1-like	V	V			V	V	V	5
OTX2	orthodenticle homeobox 2	V	V		V	V		V	5
SMARCC1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	V	V	V		V		V	5
HNRNPK	heterogeneous nuclear ribonucleoprotein K		V	V	V	V		V	5
TBC1D15	TBC1 domain family, member 15	V	V		V	V		V	5
ADPGK	ADP-dependent glucokinase	V	V		V	V		V	5
HSPE1	heat shock 10kDa protein 1	V		V	V		V	V	5
HSPD1	heat shock 60kDa protein 1 (chaperonin)		V	V	V	V		V	5
JUND	jun D proto-oncogene		V	V	V	V		V	5
SYT1	synaptotagmin I	V	V	V	V			V	5
KCNA5	potassium voltage-gated channel, shaker-related subfamily, member 5		V	V	V	V		V	5
ZFP36L1	ZFP36 ring finger protein-like 1		V	V	V	V		V	5
PDCD10	programmed cell death 10	V	V		V	V		V	5
PDGFA	platelet-derived growth factor alpha polypeptide	V	V	V		V		V	5
GDAP1L1	ganglioside induced differentiation associated protein 1-like 1	V	V		V	V		V	5
GDF6	growth differentiation factor 6	V	V		V	V		V	5
STC2	stanniocalcin 2	V	V	V		V		V	5
HMGN1	high mobility group nucleosome binding domain 1	V		V	V	V		V	5
GIT1	G protein-coupled receptor kinase interacting ArfGAP 1	V	V		V	V		V	5
HIVEP2	human immunodeficiency virus type I enhancer binding protein 2	V	V		V	V		V	5
GLCCI1	glucocorticoid induced transcript 1	V	V			V	V	V	5
SMG7	SMG7 nonsense mediated mRNA decay factor	V	V			V	V	V	5
PDIK1L	PDLIM1 interacting kinase 1 like	V	V		V	V		V	5
GMFB	glia maturation factor, beta	V	V	V			V	V	5
PTPRG	protein tyrosine phosphatase, receptor type, G	V	V		V	V		V	5
HIC2	hypermethylated in cancer 2	V	V		V	V		V	5
HIAT1	hippocampus abundant transcript 1	V	V		V	V		V	5
PHAX	phosphorylated adaptor for RNA export	V		V	V	V		V	5
PTBP1	polypyrimidine tract binding protein 1	V		V	V		V	V	5
HACE1	HECT domain and ankyrin repeat containing E3 ubiquitin protein ligase 1	V	V		V	V		V	5
SNAI2	snail family zinc finger 2	V	V		V	V		V	5
PRKRIR	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	V	V	V		V		V	5
MPP7	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	V	V	V		V		V	5
PICALM	phosphatidylinositol binding clathrin assembly protein	V	V	V		V		V	5
GPR85	G protein-coupled receptor 85	V	V		V			V	4
GRK6	G protein-coupled receptor kinase 6	V		V	V			V	4
GPR137C	G protein-coupled receptor 137C	V	V			V		V	4
GTF2B	general transcription factor IIB	V		V	V			V	4
GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	V			V	V		V	4

SOX6	SRY (sex determining region Y)-box 6	V	V		V		V	4
HAND2	heart and neural crest derivatives expressed 2	V		V	V		V	4
HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1	V	V			V	V	4
GNPTAB	N-acetylglucosamine-1-phosphate transferase, alpha and beta subunits	V			V		V	4
SMYD4	SET and MYND domain containing 4	V	V		V		V	4
GNPDA2	glucosamine-6-phosphate deaminase 2	V			V	V	V	4
SP1	Sp1 transcription factor	V	V				V	4
SPTLC3	serine palmitoyltransferase, long chain base subunit 3	V	V			V	V	4
SRI	sorcin	V	V	V			V	4
SMEK2	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	V	V			V	V	4
HMGCR	3-hydroxy-3-methylglutaryl-CoA reductase	V	V		V		V	4
SS18	synovial sarcoma translocation, chromosome 18	V	V		V		V	4
HNRNPA3	heterogeneous nuclear ribonucleoprotein A3	V	V			V	V	4
STK39	serine threonine kinase 39	V		V	V		V	4
GAN	gigaxonin	V	V			V	V	4
TAGLN2	transgelin 2	V	V			V	V	4
TAL1	T-cell acute lymphocytic leukemia 1	V		V		V	V	4
TAOK3	TAO kinase 3	V	V			V	V	4
FUBP3	far upstream element (FUSE) binding protein 3	V	V			V	V	4
FRS2	fibroblast growth factor receptor substrate 2	V	V			V	V	4
IGFBP5	insulin-like growth factor binding protein 5	V	V		V		V	4
SMARCB1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	V		V	V		V	4
SMAP1	small ArfGAP 1	V			V	V	V	4
INSM1	insulinoma-associated 1	V	V	V		V		4
SLC8A1	solute carrier family 8 (sodium/calcium exchanger), member 1	V	V	V			V	4
INTS6	integrator complex subunit 6	V	V	V			V	4
SLC7A6	solute carrier family 7 (amino acid transporter light chain, y+L system), member 6	V	V	V			V	4
SLC5A3	solute carrier family 5 (sodium/myo-inositol cotransporter), member 3	V	V			V	V	4
TBX3	T-box 3	V		V	V		V	4
FNBP1L	formin binding protein 1-like	V	V			V	V	4
TEF	thyrotrophic embryonic factor	V		V	V		V	4
KANK4	KN motif and ankyrin repeat domains 4	V	V			V	V	4
TFE3	transcription factor binding to IGDM enhancer 3	V			V		V	4
TFEC	transcription factor EC	V	V	V		V		4
SLC38A3	solute carrier family 38, member 3	V		V	V		V	4
KDM2B	Lysine Demethylase 2B	V	V	V	V			4
SLC31A1	solute carrier family 31 (copper transporter), member 1	V	V		V		V	4
FAM91A1	family with sequence similarity 91, member A1	V	V			V	V	4
KDEL2	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	V	V	V			V	4
FAM63B	family with sequence similarity 63, member B	V	V			V	V	4

C2CD5	C2 Calcium Dependent Domain Containing 5	V	V			V		V	4
ULK2	Unc-51 Like Autophagy Activating Kinase 2	V	V				V	V	4
SLC2A13	solute carrier family 2 (facilitated glucose transporter), member 13	V	V					V	4
FAM46C	family with sequence similarity 46, member C	V	V					V	4
ZC2HC1C	Zinc Finger C2HC-Type Containing 1C	V	V					V	4
NEXMIF	Neurite Extension And Migration Factor	V	V					V	4
TGIF2	TGFB-induced factor homeobox 2	V	V			V		V	4
SLC25A22	solute carrier family 25 (mitochondrial carrier: glutamate), member 22	V				V		V	4
TIGD6	tigger transposable element derived 6	V	V				V	V	4
KLF4	Kruppel-like factor 4 (gut)	V			V	V		V	4
SLC23A2	solute carrier family 23 (ascorbic acid transporter), member 2	V	V					V	4
EPHB1	EPH receptor B1	V	V		V		V		4
SLC16A3	solute carrier family 16 (monocarboxylate transporter), member 3	V			V	V		V	4
LARP4	La ribonucleoprotein domain family, member 4	V	V				V	V	4
LASP1	LIM and SH3 protein 1	V				V		V	4
CERS2	Ceramide Synthase 2	V	V				V	V	4
SLC16A2	solute carrier family 16, member 2 (thyroid hormone transporter)	V	V				V	V	4
SH3TC2	SH3 domain and tetratricopeptide repeats 2	V	V					V	4
EMP1	epithelial membrane protein 1	V	V		V			V	4
SH3PXD2B	SH3 and PX domains 2B	V	V					V	4
SH3BGL3	SH3 domain binding glutamic acid-rich protein like 3	V				V	V	V	4
EML4	echinoderm microtubule associated protein like 4	V	V			V		V	4
ELOF1	elongation factor 1 homolog (S. cerevisiae)	V				V	V	V	4
LPPR4	lipid phosphate phosphatase-related protein type 4	V	V				V	V	4
LRAT	lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase)	V	V					V	4
ELMO1	engulfment and cell motility 1	V	V		V		V		4
EIF4E3	eukaryotic translation initiation factor 4E family member 3	V	V				V	V	4
LRRC8A	leucine rich repeat containing 8 family, member A	V				V	V	V	4
EIF1AD	eukaryotic translation initiation factor 1A domain containing	V	V				V	V	4
TM4SF1	transmembrane 4 L six family member 1	V	V		V			V	4
TMEM135	transmembrane protein 135	V	V			V		V	4
DNAJC5	Dnaj (Hsp40) homolog, subfamily C, member 5	V	V			V		V	4
MAN1C1	mannosidase, alpha, class 1C, member 1	V	V				V	V	4
DNAJC13	Dnaj (Hsp40) homolog, subfamily C, member 13	V	V			V	V		4
TMEM178A	Transmembrane Protein 178A	V	V				V	V	4
MAP3K1	mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase	V	V				V	V	4
MAP4K2	mitogen-activated protein kinase kinase kinase 2	V			V	V		V	4
TMEM47	transmembrane protein 47	V	V		V			V	4
MAPK1	mitogen-activated protein kinase 1	V			V		V	V	4
DICER1	dicer 1, ribonuclease type III	V					V	V	4

TMOD2	tropomodulin 2 (neuronal)	V	V		V	V			4
MBTD1	mbt domain containing 1	V	V			V	V		4
SERP1	stress-associated endoplasmic reticulum protein 1	V		V			V	V	4
DGKG	diacylglycerol kinase, gamma 90kDa	V	V		V			V	4
TNPO1	transportin 1	V		V		V		V	4
MED14	mediator complex subunit 14	V	V	V			V		4
DDX3X	DEAD (Asp-Glu-Ala-Asp) box helicase 3, X-linked	V	V	V				V	4
MEOX2	mesenchyme homeobox 2	V	V		V			V	4
DCP2	decapping mRNA 2	V		V	V			V	4
TPM3	tropomyosin 3	V	V		V	V			4
MIER1	mesoderm induction early response 1, transcriptional regulator	V	V			V		V	4
CXORF23	chromosome X open reading frame 23	V	V		V		V		4
TRHDE	thyrotropin-releasing hormone degrading enzyme	V	V	V		V			4
TRPS1	trichorhinophalangeal syndrome I	V		V	V			V	4
RUNX1	runt-related transcription factor 1	V	V			V	V		4
TTC7B	tetratricopeptide repeat domain 7B	V	V			V		V	4
CRK	v-crk avian sarcoma virus CT10 oncogene homolog	V	V	V	V				4
MMD2	monocyte to macrophage differentiation-associated 2	V	V				V	V	4
CRIM1	cysteine rich transmembrane BMP regulator 1 (chordin-like)	V		V	V			V	4
CPLX2	complexin 2	V	V			V		V	4
MON2	MON2 homolog (S. cerevisiae)	V	V			V		V	4
UBE2D2	ubiquitin-conjugating enzyme E2D 2	V	V			V	V		4
COL6A3	collagen, type VI, alpha 3	V	V	V			V		4
UBQLN1	ubiquilin 1	V	V		V	V			4
CCDC141	coiled-coil domain containing 141	V				V	V	V	4
CCBL2	cysteine conjugate-beta lyase 2	V	V		V		V		4
CAP1	CAP, adenylate cyclase-associated protein 1 (yeast)	V		V	V			V	4
CPED1	Cadherin Like And PC-Esterase Domain Containing 1	V	V			V		V	4
TMSB4X	thymosin beta 4, X-linked		V		V	V		V	4
RNF40	ring finger protein 40, E3 ubiquitin protein ligase	V			V		V	V	4
MT1H	metallothionein 1H	V	V	V			V		4
SMIM14	Small Integral Membrane Protein 14	V	V		V			V	4
RNF19A	ring finger protein 19A, RBR E3 ubiquitin protein ligase	V	V	V	V				4
MTSS1	metastasis suppressor 1	V		V	V			V	4
MTX1	metaxin 1	V	V		V			V	4
MUM1L1	melanoma associated antigen (mutated) 1-like 1	V	V		V			V	4
C2ORF69	chromosome 2 open reading frame 69	V	V			V		V	4
C20ORF112	chromosome 20 open reading frame 112	V			V	V		V	4
VEZF1	vascular endothelial zinc finger 1	V	V			V		V	4
RNF165	ring finger protein 165	V	V			V		V	4

KAT6A	Lysine Acetyltransferase 6A	V		V	V		V		4
C1GALT1	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1	V	V			V	V		4
C11ORF57	chromosome 11 open reading frame 57	V	V				V	V	4
NADK	NAD kinase	V			V	V		V	4
VTI1A	vesicle transport through interaction with t-SNAREs 1A	V	V	V		V			4
NAP1L5	nucleosome assembly protein 1-like 5	V	V		V			V	4
SKIDA1	SKI/DACH Domain Containing 1	V	V			V		V	4
RNF111	ring finger protein 111	V	V			V		V	4
BZRAP1	benzodiazapine receptor (peripheral) associated protein 1	V	V	V		V			4
BTAF1	BTAF1 RNA polymerase II, B-TFIID transcription factor-associated, 170kDa	V	V		V			V	4
WIPF2	WAS/WASL interacting protein family, member 2	V	V			V		V	4
BOLL	boule-like RNA-binding protein	V			V		V	V	4
BHLHE22	Basic Helix-Loop-Helix Family Member E22	V	V			V	V		4
RICTOR	RPTOR independent companion of MTOR, complex 2	V	V			V		V	4
XPNPEP3	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	V	V				V	V	4
YES1	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	V			V		V	V	4
BCL11B	B-cell CLL/lymphoma 11B (zinc finger protein)	V				V	V	V	4
ATP6V1A	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A	V	V			V		V	4
RGAG1	retrotransposon gag domain containing 1	V	V		V		V		4
NOTCH2	notch 2	V	V	V			V		4
ZNF146	zinc finger protein 146	V	V	V	V				4
NPTX1	neuronal pentraxin I	V		V	V		V		4
ARHGEF3	Rho guanine nucleotide exchange factor (GEF) 3	V	V				V	V	4
ARHGEF18	Rho/Rac guanine nucleotide exchange factor (GEF) 18	V		V	V		V		4
ZNF217	zinc finger protein 217	V		V	V			V	4
NR4A3	nuclear receptor subfamily 4, group A, member 3	V	V			V		V	4
ARF3	ADP-ribosylation factor 3	V	V		V			V	4
ZNF280D	zinc finger protein 280D	V	V		V	V			4
ZNF580	zinc finger protein 580	V	V		V			V	4
ZZZ3	zinc finger, ZZ-type containing 3	V	V			V		V	4
NXT2	nuclear transport factor 2-like export factor 2	V	V				V	V	4
PUM2	pumilio RNA-binding family member 2	V	V		V	V			4
ORC6	Origin Recognition Complex Subunit 6	V	V	V			V		4
PTPRT	protein tyrosine phosphatase, receptor type, T	V	V			V	V		4
OSBPL7	oxysterol binding protein-like 7	V			V	V		V	4
BET1	Bet1 golgi vesicular membrane trafficking protein		V	V	V			V	4
CALM1	calmodulin 1 (phosphorylase kinase, delta)		V	V			V	V	4
CELSR3	cadherin, EGF LAG seven-pass G-type receptor 3		V	V	V	V			4
EIF1AX	eukaryotic translation initiation factor 1A, X-linked		V		V	V		V	4
PALLD	palladin, cytoskeletal associated protein	V		V	V		V		4

HMGXB4	HMG-Box Containing 4			V	V	V	V	V		4
PCDH17	protocadherin 17		V	V			V		V	4
ACVR2B	activin A receptor, type IIB		V	V			V		V	4
PDCD4	programmed cell death 4 (neoplastic transformation inhibitor)		V			V		V	V	4
PTPRK	protein tyrosine phosphatase, receptor type, K		V	V	V		V			4
ACAP2	ArfGAP with coiled-coil, ankyrin repeat and PH domains 2		V	V		V			V	4
MYEF2	myelin expression factor 2			V			V	V	V	4
PEA15	phosphoprotein enriched in astrocytes 15		V	V			V		V	4
NDFIP2	Nedd4 family interacting protein 2			V			V	V	V	4
ABHD2	abhydrolase domain containing 2		V		V		V		V	4
PGAM1	phosphoglycerate mutase 1 (brain)		V		V	V			V	4
PTPN1	protein tyrosine phosphatase, non-receptor type 1		V		V		V		V	4
CDK14	Cyclin Dependent Kinase 14			V		V		V	V	4
SEC22B	SEC22 vesicle trafficking protein homolog B (<i>S. cerevisiae</i>) (gene/pseudogene)			V	V		V		V	4
PHC2	polyhomeotic homolog 2 (<i>Drosophila</i>)		V		V	V		V		4
SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4			V	V	V			V	4
PHF6	PHD finger protein 6		V	V		V	V			4
FSTL1	follistatin-like 1	V	V	V				V		4
PHLPP2	PH Domain And Leucine Rich Repeat Protein Phosphatase 2		V				V	V	V	4
PIAS3	protein inhibitor of activated STAT, 3		V	V		V			V	4
GPR6	G protein-coupled receptor 6		V	V			V		V	4
PREX1	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1		V	V	V				V	4
PPIB	peptidylprolyl isomerase B (cyclophilin B)		V			V	V		V	4
POLDIP3	polymerase (DNA-directed), delta interacting protein 3		V			V	V		V	4
POLA1	polymerase (DNA directed), alpha 1, catalytic subunit		V		V	V			V	4
POGK	pogo transposable element with KRAB domain		V	V		V			V	4
PLEKHO2	pleckstrin homology domain containing, family O member 2		V	V			V		V	4
PLEKHA7	pleckstrin homology domain containing, family A member 7		V	V					V	3
PLEK	pleckstrin		V	V				V		3
PLAG1	pleiomorphic adenoma gene 1		V			V			V	3
PIKFYVE	Phosphoinositide Kinase, FYVE-Type Zinc Finger Containing		V	V				V		3
PPP1R9A	protein phosphatase 1, regulatory subunit 9A		V	V			V			3
PPP2R5C	protein phosphatase 2, regulatory subunit B', gamma		V	V				V		3
PRDM16	PR domain containing 16		V			V		V		3
PIM1	pim-1 oncogene		V		V	V				3
PRKACB	protein kinase, cAMP-dependent, catalytic, beta		V		V	V				3
PRKCE	protein kinase C, epsilon		V		V				V	3
PHKG2	phosphorylase kinase, gamma 2 (testis)		V		V	V				3
PRLR	prolactin receptor		V		V	V				3
PHC3	polyhomeotic homolog 3 (<i>Drosophila</i>)		V	V			V			3

PTGIR	prostaglandin I2 (prostacyclin) receptor (IP)	V	V	V						3
PTGS1	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	V	V					V		3
PGM5	phosphoglucomutase 5	V	V	V						3
PGD	phosphogluconate dehydrogenase	V		V					V	3
PTPRF	protein tyrosine phosphatase, receptor type, F	V	V					V		3
PECAM1	platelet/endothelial cell adhesion molecule 1	V	V	V						3
PDE5A	phosphodiesterase 5A, cGMP-specific	V	V	V						3
PTPRS	protein tyrosine phosphatase, receptor type, S	V						V	V	3
OSBP	oxysterol binding protein	V					V		V	3
OLFML2A	olfactomedin-like 2A	V					V		V	3
NUP50	nucleoporin 50kDa	V						V	V	3
QSER1	glutamine and serine rich 1	V	V					V		3
RAB11FIP4	RAB11 family interacting protein 4 (class II)	V	V					V		3
RAB3IP	RAB3A interacting protein	V	V					V		3
NSF	N-ethylmaleimide-sensitive factor	V			V	V				3
RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	V			V	V				3
RAP1A	RAP1A, member of RAS oncogene family	V				V			V	3
RAPGEF2	Rap guanine nucleotide exchange factor (GEF) 2	V						V	V	3
RAPH1	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1	V	V					V		3
NRCAM	neuronal cell adhesion molecule	V				V		V		3
NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	V	V					V		3
RBM33	RNA binding motif protein 33	V	V					V		3
NR1H3	nuclear receptor subfamily 1, group H, member 3	V				V			V	3
RERE	arginine-glutamic acid dipeptide (RE) repeats	V						V	V	3
NMT2	N-myristoyltransferase 2	V				V			V	3
NET1	neuroepithelial cell transforming 1	V	V						V	3
NECAB1	N-terminal EF-hand calcium binding protein 1	V				V			V	3
RIMS4	regulating synaptic membrane exocytosis 4	V				V			V	3
NCOA1	nuclear receptor coactivator 1	V	V						V	3
NCBP1	nuclear cap binding protein subunit 1, 80kDa	V			V				V	3
NAALADL2	N-acetylated alpha-linked acidic dipeptidase-like 2	V				V			V	3
RNF141	ring finger protein 141	V	V						V	3
RNF145	ring finger protein 145	V	V					V		3
MYO15A	myosin XVA	V			V				V	3
PPP1R3B	protein phosphatase 1, regulatory subunit 3B							V	V	3
MTMR12	myotubularin related protein 12	V	V						V	3
MT1G	metallothionein 1G	V	V	V						3
MSRB3	methionine sulfoxide reductase B3	V	V	V						3
RP2	retinitis pigmentosa 2 (X-linked recessive)	V	V						V	3
RPA1	replication protein A1, 70kDa	V			V			V		3

RPE	ribulose-5-phosphate-3-epimerase	V		V	V				3
RPRD1A	regulation of nuclear pre-mRNA domain containing 1A	V	V				V		3
RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5	V	V	V					3
MS4A1	membrane-spanning 4-domains, subfamily A, member 1	V	V				V		3
MRAS	muscle RAS oncogene homolog	V					V	V	3
MPZL1	myelin protein zero-like 1	V	V	V					3
RSPO1	R-spondin 1	V	V				V		3
MOB3B	MOB Kinase Activator 3B	V	V				V		3
RTKN2	rhotekin 2	V	V				V		3
RTN3	reticulon 3	V					V	V	3
MKL2	MKL/myocardin-like 2	V	V					V	3
MKL1	megakaryoblastic leukemia (translocation) 1	V				V		V	3
SAMSN1	SAM domain, SH3 domain and nuclear localization signals 1	V	V				V		3
SATB2	SATB homeobox 2	V	V				V		3
SEC61A1	Sec61 alpha 1 subunit (<i>S. cerevisiae</i>)	V				V		V	3
MINK1	misshapen-like kinase 1	V	V				V		3
MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A	V	V					V	3
MEA1	male-enhanced antigen 1	V	V			V			3
SEPT2	septin 2	V			V			V	3
MCHR1	melanin-concentrating hormone receptor 1	V			V			V	3
SERPINB8	serpin peptidase inhibitor, clade B (ovalbumin), member 8	V	V		V				3
MAP2	microtubule-associated protein 2	V	V		V				3
LRRK1	leucine-rich repeat kinase 1	V	V				V		3
SFRP2	secreted frizzled-related protein 2	V	V				V		3
LRRC16A	leucine rich repeat containing 16A	V	V				V		3
LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	V	V		V				3
SCAF11	SR-Related CTD Associated Factor 11	V	V					V	3
LPP	LIM domain containing preferred translocation partner in lipoma	V	V			V			3
LMBR1	limb development membrane protein 1	V					V	V	3
LITAF	lipopolysaccharide-induced TNF factor	V	V		V				3
LIPI	lipase, member I	V	V				V		3
LHX9	LIM homeobox 9	V					V	V	3
SLC10A7	solute carrier family 10, member 7	V					V	V	3
LETM1	leucine zipper-EF-hand containing transmembrane protein 1	V				V		V	3
LAMC2	laminin, gamma 2	V	V				V		3
SLC1A2	solute carrier family 1 (glial high affinity glutamate transporter), member 2	V	V				V		3
KRAS	Kirsten rat sarcoma viral oncogene homolog	V			V			V	3
SLC25A1	solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1	V			V	V			3
KIF3C	kinesin family member 3C	V	V				V		3
G2E3	G2/M-Phase Specific E3 Ubiquitin Protein Ligase	V					V	V	3

PHF24	PHD Finger Protein 24	V	V				V	3
KCTD10	potassium channel tetramerization domain containing 10	V			V		V	3
KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2	V	V				V	3
SLC37A3	solute carrier family 37, member 3	V			V		V	3
SLC38A2	solute carrier family 38, member 2	V		V	V			3
KCNJ15	potassium inwardly-rectifying channel, subfamily J, member 15	V	V				V	3
KCNE1	potassium voltage-gated channel, Isk-related family, member 1	V	V	V				3
KDM5C	Lysine Demethylase 5C	V		V			V	3
ITGB3	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	V		V	V			3
SLC6A20	solute carrier family 6 (proline IMINO transporter), member 20	V		V			V	3
SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	V		V			V	3
ISL2	ISL LIM homeobox 2	V					V	3
INTS2	integrator complex subunit 2	V	V			V		3
SLC8A2	solute carrier family 8 (sodium/calcium exchanger), member 2	V				V	V	3
ILDR1	immunoglobulin-like domain containing receptor 1	V	V				V	3
SMARCAD1	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1	V	V		V			3
IKBKB	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	V		V			V	3
ID4	inhibitor of DNA binding 4, dominant negative helix-loop-helix protein	V		V	V			3
HLTF	helicase-like transcription factor	V	V				V	3
HIPK1	homeodomain interacting protein kinase 1	V	V			V		3
HECW2	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	V	V				V	3
GYPA	glycophorin A (MNS blood group)	V	V				V	3
GRPEL2	GrpE-like 2, mitochondrial (E. coli)	V	V				V	3
SNED1	sushi, nidogen and EGF-like domains 1	V					V	3
GPR125	G protein-coupled receptor 125	V				V	V	3
SOX5	SRY (sex determining region Y)-box 5	V	V			V		3
GOLPH3	golgi phosphoprotein 3 (coat-protein)	V			V		V	3
GNPNAT1	glucosamine-phosphate N-acetyltransferase 1	V			V		V	3
GNE	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase	V		V			V	3
GNB1	guanine nucleotide binding protein (G protein), beta polypeptide 1	V		V	V			3
SPEG	SPEG complex locus	V				V	V	3
SPHK2	sphingosine kinase 2	V		V			V	3
GLS	glutaminase	V	V				V	3
SPRY3	sprouty homolog 3 (Drosophila)	V	V				V	3
GLIS2	GLIS family zinc finger 2	V				V	V	3
SRC	v-src avian sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog	V	V				V	3
SRGAP3	SLIT-ROBO Rho GTPase activating protein 3	V	V	V				3
GK5	glycerol kinase 5 (putative)	V	V				V	3
GIMAP6	GTPase, IMAP family member 6	V	V				V	3
SSR1	signal sequence receptor, alpha	V	V	V				3

STAG2	stromal antigen 2	V	V		V					3
STARD7	StAR-related lipid transfer (START) domain containing 7	V	V						V	3
GH2	growth hormone 2	V	V					V		3
STK3	serine/threonine kinase 3	V	V	V						3
GCH1	GTP cyclohydrolase 1	V	V			V				3
STX12	syntaxin 12	V	V					V		3
STX6	syntaxin 6	V			V				V	3
GAS2L1	growth arrest-specific 2 like 1	V				V			V	3
SYNJ2	synaptojanin 2	V			V	V				3
GALNT15	Polypeptide N-Acetylgalactosaminyltransferase 15	V	V						V	3
GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)	V	V	V						3
GABBR2	gamma-aminobutyric acid (GABA) B receptor, 2	V	V						V	3
G6PD	glucose-6-phosphate dehydrogenase	V			V				V	3
FYB	FYN binding protein	V			V				V	3
FUT9	fucosyltransferase 9 (alpha (1,3) fucosyltransferase)	V	V	V						3
FRK	fyn-related kinase	V	V	V						3
FMNL2	formin-like 2	V	V					V		3
TERF2	telomeric repeat binding factor 2	V	V	V						3
FLI1	Fli-1 proto-oncogene, ETS transcription factor	V	V					V		3
FKTN	fukutin	V	V						V	3
FCHSD2	FCH and double SH3 domains 2	V	V						V	3
TGIF1	TGFB-induced factor homeobox 1	V			V	V				3
FAM155B	family with sequence similarity 155, member B	V	V					V		3
FAM131B	family with sequence similarity 131, member B	V	V						V	3
FAM107B	family with sequence similarity 107, member B	V							V	3
FAM102A	family with sequence similarity 102, member A	V							V	3
FAF2	Fas associated factor family member 2	V	V						V	3
TKT	transketolase	V			V	V				3
EDA	ectodysplasin A	V	V	V						3
DPY19L4	dpy-19-like 4 (C. elegans)	V	V						V	3
DNM3	dynamamin 3	V	V						V	3
DMRT2	doublesex and mab-3 related transcription factor 2	V					V		V	3
TMEM39A	transmembrane protein 39A	V	V						V	3
DLD	dihydrolipoamide dehydrogenase	V	V		V					3
DLC1	deleted in liver cancer 1	V			V	V				3
DGKZ	diacylglycerol kinase, zeta	V			V	V				3
TMSB4XP8	Thymosin Beta 4, X-Linked Pseudogene 8	V	V							3
DGKH	diacylglycerol kinase, eta	V	V					V		3
DDX3Y	DEAD (Asp-Glu-Ala-Asp) box helicase 3, Y-linked	V	V						V	3
DAP	death-associated protein	V	V						V	3

CYP4B1	cytochrome P450, family 4, subfamily B, polypeptide 1	V	V	V						3
TPPP	tubulin polymerization promoting protein	V		V					V	3
CYP11B1	cytochrome P450, family 11, subfamily B, polypeptide 1	V	V	V						3
CTNNA2	catenin (cadherin-associated protein), alpha 2	V	V					V		3
CTCF	CCCTC-binding factor (zinc finger protein)-like	V	V					V		3
CTBP2	C-terminal binding protein 2	V					V		V	3
TSPAN4	tetraspanin 4	V				V			V	3
TSPAN9	tetraspanin 9	V					V		V	3
CSTA	cystatin A (stefin A)	V	V	V						3
CSNK1G1	casein kinase 1, gamma 1	V	V				V			3
CPM	carboxypeptidase M	V		V				V		3
CPA4	carboxypeptidase A4	V	V						V	3
CLOCK	clock circadian regulator	V	V			V				3
CHL1	cell adhesion molecule L1-like	V	V					V		3
CDON	cell adhesion associated, oncogene regulated	V	V						V	3
CD28	CD28 molecule	V	V	V						3
CAV2	caveolin 2	V	V	V						3
UNC50	unc-50 homolog (C. elegans)	V					V		V	3
CAPZA1	capping protein (actin filament) muscle Z-line, alpha 1	V	V				V			3
CAND1	cullin-associated and neddylation-dissociated 1	V	V					V		3
CAMK2G	calcium/calmodulin-dependent protein kinase II gamma	V	V			V				3
C7ORF60	chromosome 7 open reading frame 60	V	V				V			3
VAPA	VAMP (vesicle-associated membrane protein)-associated protein A, 33kDa	V						V	V	3
C6ORF120	chromosome 6 open reading frame 120	V	V				V			3
VAT1	vesicle amine transport 1	V	V						V	3
EVA1C	Eva-1 Homolog C	V	V					V		3
CCSAP	Centriole, Cilia And Spindle Associated Protein	V				V			V	3
TICRR	TOPBP1 Interacting Checkpoint And Replication Regulator	V				V		V		3
VPS45	vacuolar protein sorting 45 homolog (S. cerevisiae)	V					V		V	3
VSIG1	V-set and immunoglobulin domain containing 1	V	V					V		3
WBP1L	WW Domain Binding Protein 1 Like	V					V		V	3
WDFY1	WD repeat and FYVE domain containing 1	V	V	V						3
BTRC	beta-transducin repeat containing E3 ubiquitin protein ligase	V	V					V		3
BRWD1	bromodomain and WD repeat domain containing 1	V	V					V		3
WDR6	WD repeat domain 6	V				V			V	3
WDR61	WD repeat domain 61	V		V		V				3
WEE1	WEE1 G2 checkpoint kinase	V	V				V			3
BPNT1	3'(2'), 5'-bisphosphate nucleotidase 1	V				V			V	3
BICD1	bicaudal D homolog 1 (Drosophila)	V	V				V			3
WSCD2	WSC domain containing 2	V	V						V	3

BCMO1	beta-carotene 15,15'-monooxygenase 1	V		V	V				3
XPO6	exportin 6	V			V			V	3
BCL2L2	BCL2-like 2	V	V				V		3
YPEL2	yippee-like 2 (Drosophila)	V				V		V	3
BAAT	bile acid CoA: amino acid N-acyltransferase (glycine N-choloyltransferase)	V	V			V			3
ATP6V1B2	ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2	V			V			V	3
ZBTB26	zinc finger and BTB domain containing 26	V	V			V			3
ASRGL1	asparaginase like 1	V	V			V			3
ZBTB6	zinc finger and BTB domain containing 6	V	V					V	3
ZC3H14	zinc finger CCCH-type containing 14	V	V				V		3
ZC3H7B	zinc finger CCCH-type containing 7B	V				V		V	3
ZC3HAV1	zinc finger CCCH-type, antiviral 1	V	V				V		3
ZFP91	ZFP91 zinc finger protein	V				V		V	3
ASPH	aspartate beta-hydroxylase	V	V					V	3
ASH1L	ash1 (absent, small, or homeotic)-like (Drosophila)	V		V				V	3
ZMYND11	zinc finger, MYND-type containing 11	V	V					V	3
ARPC1A	actin related protein 2/3 complex, subunit 1A, 41kDa	V		V	V				3
ZNF215	zinc finger protein 215	V	V	V					3
ARFIP1	ADP-ribosylation factor interacting protein 1	V	V			V			3
APPBP2	amyloid beta precursor protein (cytoplasmic tail) binding protein 2	V	V				V		3
ZNF24	zinc finger protein 24	V		V				V	3
ZNF280C	zinc finger protein 280C	V	V				V		3
AP1S3	adaptor-related protein complex 1, sigma 3 subunit	V	V	V					3
ZNF281	zinc finger protein 281	V		V	V				3
ZNF365	zinc finger protein 365	V	V				V		3
ZNF398	zinc finger protein 398	V	V			V			3
ANXA13	annexin A13	V	V	V					3
ZNF652	zinc finger protein 652	V					V	V	3
ZNF800	zinc finger protein 800	V	V			V			3
ANO1	anoctamin 1, calcium activated chloride channel	V					V	V	3
ANKRD29	ankyrin repeat domain 29	V	V			V			3
ANKRD23	ankyrin repeat domain 23	V				V		V	3
AMPH	amphiphysin	V		V	V				3
AKAP12	A kinase (PRKA) anchor protein 12	V		V	V				3
AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1	V	V					V	3
AFF4	AF4/FMR2 family, member 4	V	V	V					3
FGD4	FYVE, RhoGEF and PH domain containing 4		V				V	V	3
RALGAPA1	Ral GTPase Activating Protein Catalytic Alpha Subunit 1		V				V	V	3
GXYLT1	Glucoside Xylosyltransferase 1		V				V	V	3
AFF2	AF4/FMR2 family, member 2	V	V				V		3

