

Supplementary Table: Target Genes predicted by miRDB

<b>Mature miRNA</b>	<b>Gene Symbol</b>	<b>Description</b>	<b>Gene ID</b>
<b>NiV-MR139 5P</b>	PF2	profilin 2	5217
	SMG1	SMG1 phosphatidylinositol 3-kinase-related kinase	23049
	KMT2D	lysine (K)-specific methyltransferase 2D	8085
<b>NiV-MR139 3P</b>	C1GALT1C1	C1GALT1-specific chaperone 1	29071
	STMN1	stathmin 1	3925
	SSTR2	somatostatin receptor 2	6752
	ALG9	ALG9, alpha-1,2-mannosyltransferase	79796
	FRMD6	FERM domain containing 6	122786
	ACPI	acid phosphatase 1, soluble	52
	PCDH15	protocadherin-related 15	65217
	NSMAF	neutral sphingomyelinase (N-SMase) activation associated factor	8439
	CDC14A	cell division cycle 14A	8556
	SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein	10492
	SMARCB1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	5986
	RBM25	RNA binding motif protein 25	58517
	CCNY	cyclin Y	219771
	TPR	translocated promoter region, nuclear basket protein	7175
	FKTN	Fukutin	2218
	PUM1	pumilio RNA-binding family member 1	9698
	C18orf42	chromosome 18 open reading frame 42	642597
	MMADHC	methylmalonic aciduria (cobalamin deficiency) cblD type, with homocystinuria	27249
	ARHGAP29	Rho GTPase activating protein 29	9411
	PRR12	proline rich 12	57479
	CLIC4	chloride intracellular channel 4	25932
	VLDLR	very low density lipoprotein receptor	7436
	JAK2	Janus kinase 2	3717
	LDLRAD3	low density lipoprotein receptor class A domain containing 3	143458
	CHMP5	charged multivesicular body protein 5	51510
	MAPK6	mitogen-activated protein kinase 6	5597
<b>NiV-MD107 5P</b>	MAPK1IP1L	mitogen-activated protein kinase 1 interacting protein 1-like	93487
	HRH3	histamine receptor H3	11255
	GUCY2C	guanylate cyclase 2C (heat stable enterotoxin receptor)	2984
	C1GALT1	core 1 synthase, glycoprotein-N-acetylglactosamine 3-beta-galactosyltransferase, 1	56913

TBC1D32	TBC1 domain family, member 32	221322
C11orf87	chromosome 11 open reading frame 87	399947
FAM133B	family with sequence similarity 133, member B	257415
RAB28	RAB28, member RAS oncogene family	9364
SCN3B	sodium channel, voltage-gated, type III, beta subunit	55800
RBM41	RNA binding motif protein 41	55285
NAT10	N-acetyltransferase 10 (GCN5-related)	55226
KCNV1	potassium channel, subfamily V, member 1	27012
MFHAS1	malignant fibrous histiocytoma amplified sequence 1	9258
RUFY3	RUN and FYVE domain containing 3	22902
NFAT5	nuclear factor of activated T-cells 5, tonicity-responsive	10725
PSMC2	proteasome (prosome, macropain) 26S subunit, ATPase, 2	5701
MYC	v-myc avian myelocytomatosis viral oncogene homolog	4609
FTSJ1	FtsJ RNA methyltransferase homolog 1 (E. coli)	24140
NCAN	neurocan	1463
RHOBTB1	RHOBTB1	9886
BNIP3L	BCL2/adenovirus E1B 19kDa interacting protein 3-like	665
THAP11	THAP domain containing 11	57215
LRTOMT	leucine rich transmembrane and O-methyltransferase domain containing	220074
TRABD2B	TraB domain containing 2B	388630
CNIH1	cornichon family AMPA receptor auxiliary protein 1	10175
GABRR2	gamma-aminobutyric acid (GABA) A receptor, rho 2	2570
ZC3H14	zinc finger CCCH-type containing 14	79882
CACNA1D	calcium channel, voltage-dependent, L type, alpha 1D subunit	776
KANK1	KN motif and ankyrin repeat domains 1	23189
MED14	mediator complex subunit 14	9282
RNF149	ring finger protein 149	284996
ZFHX4	zinc finger homeobox 4	79776
RICTOR	RPTOR independent companion of MTOR, complex 2	253260
LPAR4	lysophosphatidic acid receptor 4	2846
ZBTB18	zinc finger and BTB domain containing 18	10472
HTR4	5-hydroxytryptamine (serotonin) receptor 4, G protein-coupled	3360
RPL31	ribosomal protein L31	6160
KIF3B	kinesin family member 3B	9371
SOX6	SRY (sex determining region Y)-box 6	55553
KCNT2	potassium channel, subfamily T, member 2	343470
KIAA1279	KIAA1279	26128
SENPA6	SUMO1/sentrin specific peptidase 6	26054
BTAFL1	BTAFL1 RNA polymerase II, B-TFIID transcription factor-associated, 170kDa	9044
CABP4	calcium binding protein 4	57010

TLK2	tousled-like kinase 2	11011
RBM20	RNA binding motif protein 20	282996
CTCF	CCCTC-binding factor (zinc finger protein)	10664
LONRF1	LON peptidase N-terminal domain and ring finger 1	91694
TBL1X	transducin (beta)-like 1X-linked	6907
SLC15A4	solute carrier family 15 (oligopeptide transporter), member 4	121260
AGFG1	ArfGAP with FG repeats 1	3267
NOVA1	neuro-oncological ventral antigen 1	4857
MTFR2	mitochondrial fission regulator 2	113115
IKZF5	IKAROS family zinc finger 5 (Pegasus)	64376
SPAG1	sperm associated antigen 1	6674
LRP12	low density lipoprotein receptor-related protein 12	29967
SCN9A	sodium channel, voltage-gated, type IX, alpha subunit	6335
APPL1	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1	26060
CNOT1	CCR4-NOT transcription complex, subunit 1	23019
NTS	neurotensin	4922
ASAP2	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2	8853
SSH2	slingshot protein phosphatase 2	85464
DLST	dihydroliipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	1743
RBM27	RNA binding motif protein 27	54439
C1orf52	chromosome 1 open reading frame 52	148423
SKIL	SKI-like oncogene	6498
UBR3	ubiquitin protein ligase E3 component n-recogin 3 (putative)	130507
CSE1L	CSE1 chromosome segregation 1-like (yeast)	1434
ZNF654	zinc finger protein 654	55297
GNPTAB	N-acetylglucosamine-1-phosphate transferase, alpha and beta subunits	79158
NRIP1	nuclear receptor interacting protein 1	8204
GLRB	glycine receptor, beta	2743
KCNC2	potassium voltage-gated channel, Shaw-related subfamily, member 2	3747
ING3	inhibitor of growth family, member 3	54556
BRINP3	bone morphogenetic protein/retinoic acid inducible neural-specific 3	339479
UCK2	uridine-cytidine kinase 2	7371
CRY1	cryptochrome circadian clock 1	1407
TP53INP2	tumor protein p53 inducible nuclear protein 2	58476
EIF3A	eukaryotic translation initiation factor 3, subunit A	8661
ATG16L1	autophagy related 16-like 1 (S. cerevisiae)	55054
RBPJ	recombination signal binding protein for immunoglobulin kappa J region	3516
COPS7B	COP9 signalosome subunit 7B	64708
RYR2	ryanodine receptor 2 (cardiac)	6262
C5orf24	chromosome 5 open reading frame 24	134553

	ETNK1	ethanolamine kinase 1	55500
	ADAM12	ADAM metalloproteinase domain 12	8038
	C17orf104	chromosome 17 open reading frame 104	284071
	TLE1	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)	7088
	INO80	INO80 complex subunit	54617
	NUP153	nucleoporin 153kDa	9972
	ZEB2	zinc finger E-box binding homeobox 2	9839
	MAP3K2	mitogen-activated protein kinase kinase kinase 2	10746
	COL4A3	collagen, type IV, alpha 3 (Goodpasture antigen)	1285
	SLC9A2	solute carrier family 9, subfamily A (NHE2, cation proton antiporter 2), member 2	6549
	RORA	RAR-related orphan receptor A	6095
	HNRNPUL1	heterogeneous nuclear ribonucleoprotein U-like 1	11100
	OGT	O-linked N-acetylglucosamine (GlcNAc) transferase	8473
<b>NiV- MD107 3P</b>	YTHDC2	YTH domain containing 2	64848
	NYAP2	neuronal tyrosine-phosphorylated phosphoinositide-3 kinase adaptor 2	57624
	LATS1	large tumor suppressor kinase 1	9113
<b>NiV- MD130 5P</b>	CHIC2	Cysteine-rich hydrophobic domain 2	26511
	PRICKLE2	prickle homolog 2 (Drosophila)	166336
	RWDD1	RWD domain containing 1	51389
	SLC9A6	solute carrier family 9, subfamily A (NHE6, cation proton antiporter 6), member 6	10479
	RSF1	Remodeling and spacing factor 1	51773
	CCDC12	coiled-coil domain containing 12	151903
	ASAP2	ArfGAP with SH3 domain,ankyrin repeat and PH domain 2	8853
	CDK6	cyclin-dependent kinase 6	1021
	HHEX	Hemtopoietically expressed homeobox	3087
	CLDND1	claudin domain containing 1	56650
	LMNB1	Lamin B1	4001
	FAM19A4	family with sequence similarity 19 (chemokine (C-C motif)-like), member A4	151647
	SMAD 2	SMAD family member 2	4087
	MMP16	matrix metalloproteinase 16 (membrane-inserted)	4325
	DUSP5	Dual specificity phosphatase 5	1847
	NCK2	NCK adaptor protein 2	8440
	FOXN3	Forkhead box N3	1112
	SLC7A7	solute carrier family 7 (amino acid transporter light chain, y+L system), member 7	9056
	USP48	Ubiquitin specific peptidase 48	84196
	SLC4A4	solute carrier family 4 (sodium bicarbonate cotransporter), member 4	8671
	ANKHD1	Ankyrin repeatand KH domain containing 1	54882
	CCDC6	coiled-coil domain containing 6	8030
	CPSF2	Cleavage and polyadenylation specific factor 2,100KDa	53981
	SETD5	SET domain containing 5	55209

	KMT2A	Lysine(K)-specific methyltransferase 2A	4297
	SRSF2	serine/arginine-rich splicing factor 2	6427
	RAB8B	RAB8B, member RAS oncogene family	51762
	SH3RF1	SH3 domain containing ring finger 1	57630
	CPD	Carboxypeptidase D	1362
	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	5156
	KLHL20	Kelch-like family member 20	27252
	STOML2	stomatin (EPB72)-like 2	30968
	RNF38	Ring finger protein 38	152006
	ZBTB6	zinc finger and BTB domain containing 6	10773
	REST	RE1-silencing transcription factor	5978
	FHL1	four and a half LIM domains 1	2273
	SMEK2	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	57223
	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase)	8999
	CACHD1	Cache domain containing 1	57685
	SLC38A2	solute carrier family 38, member 2	54407
	EMC2	ER membrane protein complex subunit 2	9694
	RBMS3	RNA binding motif, single stranded interacting protein 3	27303
	ZFHX4	Zinc finger homeobox 4	79776
	NRAS	neuroblastoma RAS viral (v-ras) oncogene homolog	4893
	EIF4E3	Eukaryotic translation initiation factor 4E family member 3	317649
	PAXIP1	PAX interacting (with transcription-activation domain) protein 1	22976
	FAM169A	Family with sequence similarity 169, member A	26049
	ZBTB10	zinc finger and BTB domain containing 10	65986
	KIAA0947	KIAA0947	23379
	LRP12	low density lipoprotein receptor-related protein 12	29967
<b>Niv- MD130 3P</b>	KALRN	kalirin, RhoGEF kinase	8997
	SKP1	S-phase kinase-associated protein 1	6500
	PAK3	P21 protein (Cdc42/Rac)-activated kinase 3	5063
	AK4	adenylate kinase 4	205
	TJAP1	Tight junction associated protein 1 (peripheral)	93643
	PTPRE	protein tyrosine phosphatase, receptor type, E	5791
	SLC44A1	Solute carrier family 44(choline transporter), member 1	23446
	ZBTB2	zinc finger and BTB domain containing 2	57621
	RNF111	Ring finger protein 111	54778
	MED1	mediator complex subunit 1	5469
	C7orf26	Chromosome 7 open reading frame 26	79034

	MYO5C	myosin VC	55930
	RFX3	Regulatory factor X,3 (influences HLA class II expression)	5991
	ADARB2	adenosine deaminase, RNA-specific, B2 (non-functional)	105
	STAM	Signal transducing adaptor molecule(SH3 domain and ITAM motif) 1	8027
	XRN2	5'-3' exoribonuclease 2	22803
	CDYL	Chromodomainprotei, Y-like	9425
	PPME1	protein phosphatase methylesterase 1	51400
	UBE2R2	Ubiquitin-conjugating enzyme E2R 2	54926
	GTF2I	general transcription factor Iii	2969
	FRMD 5	FERM domin containing 5	84978
	AKAP13	A kinase (PRKA) anchor protein 13	11214
	EMC4	ER membrane protein complex subunit 4	51234
	PAFAH1B1	platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa)	5048
	ZNF592	Zinc finger protein 592	9640
	AP3S2	adaptor-related protein complex 3, sigma 2 subunit	10239
	IGF1	Insulin-like growth factor 1	3479
	CCNG1	cyclin G1	900
	DENND1B	DENN/MADD domain containing 1B	163486
	POLR1D	polymerase (RNA) I polypeptide D, 16kDa	51082
	FLRT2	Fibronectin leucine rich transmembrane protein 2	23768
	EEF2K	eukaryotic elongation factor-2 kinase	29904
	PPAP2B	Phosphatidic acid phosphatase type 2B	8613
	FBXL5	F-box and leucine-rich repeat protein 5	26234
	CDC14A	Cell division cycle 14A	8556
	TMOD2	tropomodulin 2 (neuronal)	29767
	RPS6KA6	Ribosoml protein S6 kinase, 90KDa, polypeptide 6	27330
	SNX27	sorting nexin family member 27	81609
	AKAP11	A kinase (PRKA) anchor protein 11	11215
	HLF	hepatic leukemia factor	3131
	SLC4A4	Solute carrier family 4 (sodium bicarbonate cotransporter), member 4	8671
	RNGTT	RNA guanylyltransferase and 5'-phosphatase	8732
	BICD1	Bicaudl D homolg 1 (Drosophila)	636
	SLC4A7	solute carrier family 4, sodium bicarbonate cotransporter, member 7	9497
	NOTCH2	Notch 2	4853
	SFTP A1	surfactant protein A1	653509
	CEP170	Centrosomal protein 170KDa	9859
	NRIP3	nuclear receptor interacting protein 3	56675
	GRIA3	Glutamate receptor, ionotropic, AMPA 3	2892
	ANKRD13C	ankyrin repeat domain 13C	81573
<b>NiV-</b>	SMAD5	SMAD family member 5	4090

<b>MD101</b> <b>5P</b>	ARL5B	ADP-ribosylation factor-like 5B	221079
	SYT6	synaptotagmin VI	148281
	SLC35F5	solute carrier family 35, member F5	80255
	ZEB2	zinc finger E-box binding homeobox 2	9839
	CRY1	cryptochrome circadian clock 1	1407
	RPA1	replication protein A1, 70kDa	6117
	TPP2	tripeptidyl peptidase II	7174
	LIPN	lipase, family member N	643418
	PRPF40A	PRP40 pre-mRNA processing factor 40 homolog A ( <i>S. cerevisiae</i> )	55660
	SLC24A2	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2	25769
	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	6197
	EDNRB	endothelin receptor type B	1910
	ATP2A2	ATPase, Ca <sup>++</sup> transporting, cardiac muscle, slow twitch 2	488
	SYT16	synaptotagmin XVI	83851
	SEMA3A	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A	10371
	RALGAPB	RalGTPase activating protein, beta subunit (non-catalytic)	57148
	PIM3	pim-3 oncogene	415116
	INTS2	integrator complex subunit 2	57508
	FSD1L	fibronectin type III and SPRY domain containing 1-like	83856
	KIAA0232	KIAA0232	9778
	EIF4G1	eukaryotic translation initiation factor 4 gamma, 1	1981
	TARS	threonyl-tRNA synthetase	6897
	RAPGEF2	Rap guanine nucleotide exchange factor (GEF) 2	9693
	RSBN1	round spermatid basic protein 1	54665
	TRHDE	thyrotropin-releasing hormone degrading enzyme	29953
	OOSP2	oocyte secreted protein 2	219990
	EDC4	enhancer of mRNA decapping 4	23644
	N4BP2	NEDD4 binding protein 2	55728
	EPHB1	EPH receptor B1	2047
	KCNQ5	potassium voltage-gated channel, KQT-like subfamily, member 5	56479
	GIMAP4	GTPase, IMAP family member 4	55303
	ACBD3	acyl-CoA binding domain containing 3	64746
	KIFAP3	kinesin-associated protein 3	22920
	SLC41A2	solute carrier family 41 (magnesium transporter), member 2	84102
	CACNA1D	calcium channel, voltage-dependent, L type, alpha 1D subunit	776
	RAB11A	RAB11A, member RAS oncogene family	8766
	ZNF518A	zinc finger protein 518A	9849
	CHCHD4	coiled-coil-helix-coiled-coil-helix domain containing 4	131474

	KCNC2	potassium voltage-gated channel, Shaw-related subfamily, member 2	3747
	PABPC4	poly(A) binding protein, cytoplasmic 4 (inducible form)	8761
	COL4A5	collagen, type IV, alpha 5	1287
	HERPUD2	HERPUD family member 2	642224
	RBM39	RNA binding motif protein 39	9584
	SEPHS1	selenophosphatesynthetase 1	22929
	ITM2B	integral membrane protein 2B	9445
	RNF138	ring finger protein 138, E3 ubiquitin protein ligase	51444
	SC9A	sodium channel, voltage-gated, type IX, alpha subunit	6335
	CBLB	Cbl proto-oncogene B, E3 ubiquitin protein ligase	868
	LOC101930125	uncharacterized LOC101930125	101930125
<b>NiV- MD101 3P</b>	DAPK1	death-associated protein kinase 1	1612
	NFE2L1	nuclear factor, erythroid 2-like 1	4779
	SSPN	Sarcospan	8082
	BCAT1	branched chain amino-acid transaminase 1, cytosolic	586
	KLHDC10	kelch domain containing 10	23008
	TMEM55A	transmembrane protein 55A	55529
	NAIP	NLR family, apoptosis inhibitory protein	4671
	ARIDIB	AT rich interactive domain 1B (SWI1-like)	57492
	RBL1	retinoblastoma-like 1	5933
	OSBPL9	oxysterol binding protein-like 9	114883
	PWWP2A	PWWP domain containing 2A	114825
	TSC22D2	TSC22 domain family, member 2	9819
	EIF4G2	eukaryotic translation initiation factor 4 gamma, 2	1982
	ZIC4	Zic family member 4	84107
	WNK3	WNK lysine deficient protein kinase 3	65267
	SERPINA7	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member7	6906
	NF1	neurofibromin 1	4763
	BHLHE41	basic helix-loop-helix family, member e41	79365
	KAT6A	K(lysine) acetyltransferase 6A	7994
	RASL12	RAS-like, family 12	51285
	MIPOL1	mirror-image polydactyly 1	145282
	METAP2	methionyl aminopeptidase 2	10988
	KY	kyphoscoliosis peptidase	339855
	THOC2	THO complex 2	57187
	SNX16	sorting nexin 16	64089
	TMCC1	transmembrane and coiled-coil domain family 1	23023
ZCWPW2	zinc finger, CW type with PWWP domain 2	152098	
WDR44	WD repeat domain 44	54521	
RNF111	ring finger protein 111	54778	



	LATS2	large tumor suppressor kinase 2	26524
	RNF43	ring finger protein 43	54894
	MBNL3	muscleblind-like splicing regulator 3	55796
	AFF4	AF4/FMR2 family, member 4	27125
	GSG1L	GSG1-like	146395
	SEPHS1	selenophosphatesynthetase 1	22929
	WHSC1	Wolf-Hirschhorn syndrome candidate 1	7468
	THBS1	thrombospondin 1	7057
	GTPBP4	GTP binding protein 4	23560
	SLC2A12	solute carrier family 2 (facilitated glucose transporter), member 12	154091
	ZIC2	Zic family member 2	7546
	EIF2A	eukaryotic translation initiation factor 2A, 65kDa	83939
	KIF26B	kinesin family member 26B	55083
	NRXN1	neurexin 1	9378
	SETD2	SET domain containing 2	29072
	MAML2	mastermind-like 2 (Drosophila)	84441
	KCNK12	potassium channel, subfamily K, member 12	56660
	INSIG1	insulin induced gene 1	3638
	SF3A1	splicing factor 3a, subunit 1, 120kDa	10129
	MIER3	mesoderm induction early response 1, family member 3	166968
	OSBPL6	oxysterol binding protein-like 6	114880
<b>NiV- MD116 5P</b>	CTTNBP2NL	CTTNBP2 N-terminal like	55917
	ANKUB1	ankyrin repeat and ubiquitin domain containing 1	389161
	PDPK1	3-phosphoinositide dependent protein kinase 1	5170
	SCAI	suppressor of cancer cell invasion	286205
	VWA3A	von Willebrand factor A domain containing 3A	146177
	SMG7	SMG7 nonsense mediated mRNA decay factor	9887
	CDH9	cadherin 9, type 2 (T1-cadherin)	1007
	SAV1	salvador homolog 1 (Drosophila)	60485
	MMS22L	MMS22-like, DNA repair protein	253714
	XPR1	xenotropic and polytropic retrovirus receptor 1	9213
	ZNF846	zinc finger protein 846	162993
	GRIA3	glutamate receptor, ionotropic, AMPA 3	2892
	NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	4775
	PNISR	PNN-interacting serine/arginine-rich protein	25957
	DNAJC10	DnaJ (Hsp40) homolog, subfamily C, member 10	54431
	TGFBR2	transforming growth factor, beta receptor II (70/80kDa)	7048
	RASA1	RAS p21 protein activator (GTPase activating protein)	5921
	AQP4	aquaporin 4	361
	TTBK2	tau tubulin kinase 2	146057

	SLITRK4	SLIT and NTRK-like family, member 4	139065
	DCDC2	doublecortin domain containing 2	51473
	ACSL3	acyl-CoA synthetase long-chain family member 3	2181
	RBM41	RNA binding motif protein 41	55285
	TMEM106B	transmembrane protein 106B	54664
	SUV420H1	suppressor of variegation 4-20 homolog 1 (Drosophila)	51111
	TMED7	transmembrane emp24 protein transport domain containing 7	51014
	TCF12	transcription factor 12	6938
	CLOCK	clock circadian regulator	9575
	CNN3	calponin 3, acidic	1266
	FRMPD4	FERM and PDZ domain containing 4	9758
	THAP2	THAP domain containing, apoptosis associated protein	83591
	IMPAD1	inositol monophosphatase domain containing 1	54928
	SPECC1L	sperm antigen with calponin homology and coiled-coil domains 1-like	23384
	TBX5	T-box 5	6910
	KALRN	kalirin, RhoGEF kinase	8997
	SLC36A4	solute carrier family 36 (proton/amino acid symporter), member 4	120103
	STXBP4	syntaxin binding protein 4	252983
	DCAF12	DDB1 and CUL4 associated factor 12	25853
	GDAP1	ganglioside induced differentiation associated protein 1	54332
	SPAST	Spastin	6683
	SLC38A4	solute carrier family 38, member 4	55089
	HECA	headcase homolog (Drosophila)	51696
	EPC1	enhancer of polycomb homolog 1 (Drosophila)	80314
	PRKG2	protein kinase, cGMP-dependent, type II	5593
	COMMD2	COMM domain containing 2	51122
	HOXB2	homeobox B2	3212
	RASSF9	Ras association (RalGDS/AF-6) domain family (N-terminal) member 9	9182
	RBM18	RNA binding motif protein 18	92400
	FAR1	fatty acyl CoA reductase 1	84188
	MEX3B	mex-3 RNA binding family member B	84206
<b>NiV- MD116 3P</b>	CAB39	calcium binding protein 39	51719
	ATP11C	ATPase, class VI, type 11C	286410
	LAMC1	laminin, gamma 1 (formerly LAMB2)	3915
	ZBTB18	zinc finger and BTB domain containing 18	10472
	KMT2A	lysine (K)-specific methyltransferase 2A	4297
	C9orf129	chromosome 9 open reading frame 129	445577
	CFHR4	complement factor H-related	10877
	KIAA1549	KIAA1549	57670
	CFHR3	complement factor H-related	10878

	RIF1	RAP1 interacting factor homolog (yeast)	55183
	ZNRF2	zinc and ring finger 2	223082
	POU4F2	POU class 4 homeobox 2	5458
	ATP2C1	ATPase, Ca <sup>++</sup> transporting, type 2C, member 1	27032
	SRXN1	sulfiredoxin 1	140809
	C3orf58	chromosome 3 open reading frame 58	205428
	CTTN	Cortactin	2017
	GIPC2	GIPC PDZ domain containing family, member 2	54810
	RMND5A	required for meiotic nuclear division 5 homolog A ( <i>S. cerevisiae</i> )	64795
	MPP1	membrane protein, palmitoylated 1, 55kDa	4354
	GGNBP2	gametogenetin binding protein 2	79893
	TCF7L2	transcription factor 7-like 2 (T-cell specific, HMG-box)	6934
	KCNQ4	potassium voltage-gated channel, KQT-like subfamily, member 4	9132
	RAP2A	RAP2A, member of RAS oncogene family	5911
	OPA1	optic atrophy 1 (autosomal dominant)	4976
	PPP2R5E	protein phosphatase 2, regulatory subunit B', epsilon isoform	5529
	SIRPA	signal-regulatory protein alpha	140885
	GPR1	G protein-coupled receptor 1	2825
	SENP6	SUMO1/sentrin specific peptidase 6	26054
	CDC40	cell division cycle 40	51362
	DENND5A	DENN/MADD domain containing 5A	23258
	KANSL1L	KAT8 regulatory NSL complex subunit 1-like	151050
	C20orf112	chromosome 20 open reading frame 112	140688
	CAMTA1	calmodulin binding transcription activator 1	23261
	ZNF281	zinc finger protein 281	23528
	TOM1L1	target of myb1 (chicken)-like 1	10040
	SBN01	strawberry notch homolog 1 ( <i>Drosophila</i> )	55206
	ZC3H12C	zinc finger CCCH-type containing 12C	85463
	RYR2	ryanodine receptor 2 (cardiac)	6262
	BTC	Betacellulin	685
	SCN8A	sodium channel, voltage gated, type VIII, alpha subunit	6334
	CEP104	centrosomal protein 104kDa	9731
	CEP128	centrosomal protein 128kDa	145508
	CPSF2	cleavage and polyadenylation specific factor 2, 100kDa	53981
	PAIP1	poly(A) binding protein interacting protein 1	10605
	XRN1	5'-3' exoribonuclease 1	54464
	TNP01	transportin 1	3842
	SLC4A4	solute carrier family 4 (sodium bicarbonate cotransporter), member 4	8671
	CPSF6	cleavage and polyadenylation specific factor 6, 68kDa	11052
	NCOA2	nuclear receptor coactivator 2	10499

	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2	25555
<b>NiV- MR186 5P</b>	EHHADH	enoyl-Co-A ,hydratase/3-hydroxyacyl CoA dehydrogenase	1962
	STX16	Syntaxin 16	8675
	IGSF10	Immunoglobulin superfamily,member 10	285313
	RAB27B	RAB27B,member RAS oncogene family	5874
	RFTN2	Raftlin family member 2	130132
	EPM2AIP1	EPM2A (laforin)interacting protein 1	9852
	LOC101929792	Uncharacterized LOC101929792	101929792
	COL5A3	Collagen,typeV,alpha 3	50509
	YTHDF3	YTH domain family,member 3	253943
	FOXRED2	FAD –dependent oxidoreductase domain containing 2	80020
	MYO6	Myosin VI	4646
	GPR88	G protein-coupled receptor 88	54112
	MRPL22	Mitochondrial ribosomal protein L22	29093
	DMD	Dystrophin	1756
	POC5	POC5 centriolar protein	134359
	NUBPL	Nucleotide binding protein- like	80224
	TRDN	Triadin	10345
	PVRL3	Poliovirus receptor-related 3	25945
	PRRG1	Proline rich Gla(G-carboxyglutamic acid) 1	5638
	LMNA	Lamina A/C	4000
	SHE	Src homology @ domain containing E	126669
	TMX4	Thioredoxin-related transmembrane protein 4	56255
	KLHL15	Kelch-like family member 15	80311
	POSTN	Periostin,osteoblast specific factor	10631
	FREM1	FRAS1 related extra cellular matrix 1	158326
	C1orf141	Chromosome 1 open reading frame 141	400757
	BANK1	B-cell scaffold protein with ankyrin repeats 1	55024
	HSPA2	Heat shock 70kDa protein 2	3306
	GIMAP4	GTPase,IMAP family member 4	55303
	ABHD17B	Abhydrolase domain containing 17B	51104
	SLC6A14	Solute carrier family 6 (amino acid transporter),member 14	11254
	BRWD3	Bromodomain and WD repeat domain containing 3	254065
	LOC102724930	Uncharacterized LOC102724930	102724930
	SLC30A4	Solute carrier family 30(zinc transporter),member 4	7782
	TNP1	Transition protein 1(during histone to protamine replacement)	7141
	SRSF11	Serine/arginine-rich splicing factor 11	9295
	B3GALT1	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase ,polypeptide 1	8708
	CMPK1	Cytidine monophosphate (UMP-CMP) kinase 1 cytosolic	51727
	NAA30	N (alpha)-acetyltransferase 30,NatC catalytic subunit	122830

	TJP1	Tight junction protein	7082
	MCCC1	Methylcrotonyl-CoA carboxylase 1 (alpha)	56922
	PLEKHA1	Pleckstrin homology domain containing, family A (phosphoinositide binding specific) member	59338
	DNAJC6	DnaJ (Hsp40) homolog, subfamily C, member 6	9829
	LOC101930125	Uncharacterized LOC101930125	101930125
	DPP4	Dipeptidyl-dipeptidase 4	1803
	C15orf43	Chromosome 15 open reading frame 43	145645
	PHF6	PHD finger protein 6	84295
	VKORC1L1	Vitamin K epoxide reductase complex, subunit 1-like 1	154807
	TRHDE	Thyrotropin-releasing hormone degrading enzyme	29953
	FAM210B	Family with sequence similarity 210, member B	116151
<b>NiV- MR186 3P</b>	SEMA3E	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	9723
	KLF9	Kruppel-like factor 9	681
	ELL2	elongation factor, RNA polymerase II, 2	22936
	PSAT1	phosphoserine aminotransferase 1	29968
	SLC38A4	solute carrier family 38, member 4	55089
	COG6	component of oligomeric golgi complex 6	57511
	DAZAP2	DAZ associated protein 2	9802
	ANK3	ankyrin 3, node of Ranvier (ankyrin G)	288
	MCTP1	multiple C2 domains, transmembrane 1	79772
	RUFY3	RUN and FYVE domain containing 3	22902
	CUL2	cullin 2	8453
	CEBPZ	CCAAT/enhancer binding protein (C/EBP), zeta	10153
	ANXA8	annexin A8	53145
	ANXA8L2	annexin A8-like 2	244
	ANXA8L1	annexin A8-like 1	72813
	SNX2	sorting nexin 2	6643
	RFX3	regulatory factor X, 3 (influences HLA class II expression)	5991
	TMEM47	transmembrane protein 47	83604
	NOL7	nucleolar protein 7, 27kDa	51406
	DNTTIP2	deoxynucleotidyltransferase, terminal, interacting protein	30836
	HSPBP1	HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1	23640
	GPRIN3	GPRIN family member 3	285513
	IPMK	inositol polyphosphate multikinase	253430
	TMEM263	transmembrane protein 263	90488
	CHD6	chromodomain helicase DNA binding protein 6	84181
	ZNF419	zinc finger protein 419	79744
	PPT1	palmitoyl-proteithioesterase 1	5538

	PMP22	peripheral myelin protein 22	5376
	SESN1	sestrin 1	27244
	TSC22D2	TSC22 domain family, member 2	9819
	SIM1	single-minded family bHLH transcription factor 1	6492
	VASH2	vasohibin 2	79805
	SYTL5	synaptotagmin-like 5	94122
	HS6ST2	heparan sulfate 6-O-sulfotransferase 2	90161
	HIVEP2	human immunodeficiency virus type I enhancer binding protein 2	3097
	GOSR1	golgi SNAP receptor complex member 1	9527
	EP300	E1A binding protein p300	2033
	UTRN	Utrophin	7402
	PCDH19	protocadherin 19	57526
	DOPEY2	dopey family member 2	9980
	FSHR	follicle stimulating hormone receptor	2492
	DDX17	DEAD (Asp-Glu-Ala-Asp) box helicase 17	10521
	FKBP14	FK506 binding protein 14, 22 kDa	55033
	UBL3	ubiquitin-like 3	5412
	ADNP	activity-dependent neuroprotectorhomeobox	23394
	SSPN	Sarcospan	8082
	STAG2	stromal antigen 2	10735
<b>MiV- MR26 5P</b>	HEMK1	HemK methyltransferase family member 1	51409
	GDA	guanine deaminase	9615
	MINPP1	multiple inositol-polyphosphate phosphatase 1	9562
	SLC16A6	solute carrier family 16, member 6	9120
	PDE4D	phosphodiesterase 4D, cAMP-specific	5144
	RHOBTB3	Rho-related BTB domain containing 3	22836
	CAMK2G	calcium/calmodulin-dependent protein kinase II gamma	818
	SLC25A40	solute carrier family 25, member 40	55972
	FZD5	frizzled class receptor 5	7855
	MSR1	macrophage scavenger receptor 1	4481
	TMEM117	transmembrane protein 117	84216
	TGFBR1	transforming growth factor, beta receptor 1	7046
	PAXBPI	PAX3 and PAX7 binding protein 1	94104
	RAB4A	RAB4A, member RAS oncogene family	5867
	ARHGAP5	Rho GTPase activating protein 5	394
	HNRNPU	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)	3192
	ZNF34	zinc finger protein 34	80778
	UTP15	UTP15, U3 small nucleolar ribonucleoprotein, homolog (S. cerevisiae)	84135
	GRIA3	glutamate receptor, ionotropic, AMPA 3	2892

	HNRNPA0	heterogeneous nuclear ribonucleoprotein A0	10949
	GTF2B	general transcription factor IIB	2959
	FOXN3	forkhead box N3	1112
	TLR3	toll-like receptor 3	7098
	GALNT7	polypeptide N-acetylgalactosaminyltransferase 7	51809
	ERO1LB	ERO1-like beta ( <i>S. cerevisiae</i> )	56605
	ZCCHC16	zinc finger, CCHC domain containing 16	340595
	FBXO28	F-box protein 28	23219
	KCNMB1	potassium large conductance calcium-activated channel, subfamily M, beta member 1	3779
	MAP1B	microtubule-associated protein 1B	4131
	SEC24A	SEC24 family member A	10802
	TMC2	transmembrane channel-like 2	117532
	TTC39B	tetratricopeptide repeat domain 39B	158219
	PIK3C2A	phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 alpha	5826
	ITPR2	inositol 1,4,5-trisphosphate receptor, type 2	3709
	PANK1	pantothenate kinase 1	53354
	TIMELESS	timeless circadian clock	8914
	OLFM4	olfactomedin 4	10562
	METAP2	methionyl aminopeptidase 2	10988
	ZFH3	zinc finger homeobox 3	463
	SLC8A1	solute carrier family 8 (sodium/calcium exchanger), member 1	6546
	THBS1	thrombospondin 1	7057
	NLK	nemo-like kinase	51701
	ZNF280C	zinc finger protein 280C	55609
	CRMP1	collapsin response mediator protein 1	1400
	HERPUD1	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1	9709
	YY1	YY1 transcription factor	7528
	HDGF	hepatoma-derived growth factor	3068
	TMEM33	transmembrane protein 33	55161
	UNC5D	unc-5 homolog D ( <i>C. elegans</i> )	137970
	SLC35F1	solute carrier family 35, member F1	222553
<b>NiV-MR26 3P</b>	GPR126	G protein-coupled receptor 126	57211
	ZBTB21	zinc finger and BTB domain containing 21	49854
	ADH7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	131
	MOB1A	MOB kinase activator 1A	55233
	ENPP4	ectonucleotidepyrophosphatase/phosphodiesterase 4 (putative)	22875
	NUS1	nuclear undecaprenyl pyrophosphate synthase 1 homolog ( <i>S. cerevisiae</i> )	116150
	SORBS2	sorbin and SH3 domain containing 2	8470

1-Mar	membrane-associated ring finger (C3HC4) 1, E3 ubiquitin protein ligase	55016
KLHL28	kelch-like family member 28	54813
UCK2	uridine-cytidine kinase 2	7371
TMEM106B	transmembrane protein 106B	54664
ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	9619
PDS5B	PDS5, regulator of cohesion maintenance, homolog B ( <i>S. cerevisiae</i> )	23047
HDAC4	histone deacetylase 4	9759
IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	3419
SLC12A1	solute carrier family 12 (sodium/potassium/chloride transporter), member 1	6557
SLC38A2	solute carrier family 38, member 2	54407
PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa	5137
SRPK2	SRSF protein kinase 2	6733
NFIB	nuclear factor I/B	4781
ZMIZ1	zinc finger, MIZ-type containing 1	57178
NHS	Nance-Horan syndrome (congenital cataracts and dental anomalies)	4810
UNC79	unc-79 homolog ( <i>C. elegans</i> )	57578
CEP44	centrosomal protein 44kDa	80817
ABL2	c-abl oncogene 2, non-receptor tyrosine kinase	27
CDH11	cadherin 11, type 2, OB-cadherin (osteoblast)	1009
TEK	TEK tyrosine kinase, endothelial	7010
PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit	5562
CACNA1H	calcium channel, voltage-dependent, T type, alpha 1H subunit	8912
PDE8A	phosphodiesterase 8A	5151
TMTC3	transmembrane and tetratricopeptide repeat containing 3	160418
EDEM3	ER degradation enhancer, mannosidase alpha-like 3	80267
SLC17A6	solute carrier family 17 (vesicular glutamate transporter), member 6	57084
ELMOD2	ELMO/CED-12 domain containing 2	255520
PCMTD1	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1	115294
CEP350	centrosomal protein 350kDa	9857
TSC22D1	TSC22 domain family, member 1	8848
CXADR	coxsackie virus and adenovirus receptor	1525
GNAZ	guanine nucleotide binding protein (G protein), alpha z polypeptide	2781
PPM1A	protein phosphatase, Mg <sup>2+</sup> /Mn <sup>2+</sup> dependent, 1A	5494
PKD2	polycystic kidney disease 2 (autosomal dominant)	5311
PHTF2	putative homeodomain transcription factor 2	57157
TMEM245	transmembrane protein 245	23731
SMC6	structural maintenance of chromosomes 6	79677
BMPR2	bone morphogenetic protein receptor, type II (serine/threonine kinase)	659
INTS6	integrator complex subunit 6	26512
PLXNA2	plexin A2	5362



	BTG2	BTG family, member 2	7832
	NCAM2	neural cell adhesion molecule 2	4685
	DNER	delta/notch-like EGF repeat containing	92737
<b>NiV- MD163 5P</b>	ISOC1	isochorismatase domain containing 1	51015
	TPPP	tubulin polymerization promoting protein	11076
	PDGFD	platelet derived growth factor D	80310
	ATXN1L	ataxin 1-like	342371
	FAM175B	family with sequence similarity 175, member B	23172
	MAGOHB	mago-nashi homolog B (Drosophila)	55110
	ANKRD28	ankyrin repeat domain 28	23243
	PPTC7	PTC7 protein phosphatase homolog (S. cerevisiae)	160760
	DIRC2	disrupted in renal carcinoma 2	84925
	HNRNPH3	heterogeneous nuclear ribonucleoprotein H3 (2H9)	3189
	TTLL7	tubulin tyrosine ligase-like family, member 7	79739
	CELF1	CUGBP, Elav-like family member 1	10658
<b>NiV- MD163 3P</b>	ZMAT4	zinc finger, matrin-type 4	79698
	FRMD7	FERM domain containing 7	90167
	PGR	progesterone receptor	5241
	SLC30A1	solute carrier family 30 (zinc transporter), member 1	7779
	PDCD10	programmed cell death 10	11235
	PANK3	pantothenate kinase 3	79646
	GCLC	glutamate-cysteine ligase, catalytic subunit	2729
	RFX3	regulatory factor X, 3 (influences HLA class II expression)	5991
	ERAP1	endoplasmic reticulum aminopeptidase 1	51752
	SRRM1	serine/arginine repetitive matrix 1	10250
	ELF1	E74-like factor 1 (ets domain transcription factor)	1997
	KCNJ16	potassium inwardly-rectifying channel, subfamily J, member 16	3773
	PAK3	p21 protein (Cdc42/Rac)-activated kinase 3	5063
	BICC1	BicC family RNA binding protein 1	80114
	ENPP4	ectonucleotidepyrophosphatase/phosphodiesterase 4 (putative)	22875
	MAGEB4	melanoma antigen family B, 4	4115
	TM9SF3	transmembrane 9 superfamily member 3	56889
	IMPA1	inositol(myo)-1(or 4)-monophosphatase 1	3612
	CCDC85A	coiled-coil domain containing 85A	114800
	MKRN2	makorin ring finger protein 2	23609
	NFYC	nuclear transcription factor Y, gamma	4802
	TBC1D15	TBC1 domain family, member 15	64786
	ZSWIM6	zinc finger, SWIM-type containing 6	57688
	SKIL	SKI-like oncogene	6498
ANKIB1	ankyrin repeat and IBR domain containing 1	54467	

	DLG2	discs, large homolog 2 (Drosophila)	1740
	RAP1GAP2	RAP1 GTPase activating protein 2	23108
	ANKRD44	ankyrin repeat domain 44	91526
	PITX2	paired-like homeodomain 2	5308
	EGLN1	egl-9 family hypoxia-inducible factor 1	54583
	RAPGEF2	Rap guanine nucleotide exchange factor (GEF) 2	9693
	NEMF	nuclear export mediator factor	9147
	JAZF1	JAZF zinc finger 1	221895
	TCF12	transcription factor 12	6938
	PIK3CG	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit gamma	5294
	ITGAV	integrin, alpha V	3685
	GRAMD1C	GRAM domain containing 1C	54762
	ADAMTS1	ADAM metalloproteinase with thrombospondin type 1 motif, 1	9510
	DNM3	dynamamin 3	26052
	RSF1	remodeling and spacing factor 1	51773
	CHAC2	ChaC, cation transport regulator homolog 2 (E. coli)	494143
	GK	glycerol kinase	2710
	ELL2	elongation factor, RNA polymerase II, 2	22936
	PDS5B	PDS5, regulator of cohesion maintenance, homolog B (S. cerevisiae)	23047
	DLL4	delta-like 4 (Drosophila)	54567
	SLITRK4	SLIT and NTRK-like family, member 4	139065
	CXADR	coxsackie virus and adenovirus receptor	1525
	NCKAP1	NCK-associated protein 1	10787
	CPEB4	cytoplasmic polyadenylation element binding protein 4	80315
	BAG1	BCL2-associated athanogene	573
<b>NiV-MD14 5P</b>	USMG5	up-regulated during skeletal muscle growth 5 homolog (mouse)	84833
	LPAR1	lysophosphatidic acid receptor 1	1902
	RABEP1	rabaptin, RAB GTPase binding effector protein 1	9135
	TET1	tetmethylcytosine dioxygenase 1	80312
	ZFAND3	zinc finger, AN1-type domain 3	60685
	LUC7L	LUC7-like (S. cerevisiae)	55692
	SPRED1	sprouty-related, EVH1 domain containing 1	161742
	KIAA1549	KIAA1549	57670
	CDK14	cyclin-dependent kinase 14	5218
	GJA1	gap junction protein, alpha 1, 43kDa	2697
	ZNF682	zinc finger protein 682	91120
	FRS2	fibroblast growth factor receptor substrate 2	10818
	GDAP1	ganglioside induced differentiation associated protein 1	54332
	MZT1	mitotic spindle organizing protein 1	440145
	LIX1L	Lix1 homolog (mouse)-like	128077

	DNAJC24	DnaJ (Hsp40) homolog, subfamily C, member 24	120526
	G3BP2	GTPase activating protein (SH3 domain) binding protein 2	9908
	HIVEP2	human immunodeficiency virus type I enhancer binding protein 2	3097
	SNTG1	syntrophin, gamma 1	54212
	PPP1R9B	protein phosphatase 1, regulatory subunit 9B	84687
	RNF146	ring finger protein 146	81847
	SRSF1	serine/arginine-rich splicing factor 1	6426
	LRRTM3	leucine rich repeat transmembrane neuronal 3	347731
	B3GALT2	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	8707
	UBXN4	UBX domain protein 4	23190
	C12orf49	chromosome 12 open reading frame 49	79794
	RRP36	ribosomal RNA processing 36 homolog ( <i>S. cerevisiae</i> )	88745
	TMEM100	transmembrane protein 100	55273
	LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	7804
	ENY2	enhancer of yellow 2 homolog ( <i>Drosophila</i> )	56943
	DDX6	DEAD (Asp-Glu-Ala-Asp) box helicase 6	1656
<b>NiV- MD14 3P</b>	HAS3	hyaluronan synthase 3	3038
	PTER	phosphotriesterase related	9317
	SGCD	sarcoglycan, delta (35kDa dystrophin-associated glycoprotein)	6444
	CACUL1	CDK2-associated, cullin domain 1	143384
	HMGCR	3-hydroxy-3-methylglutaryl-CoA reductase	3156
	BRF1	BRF1, RNA polymerase III transcription initiation factor 90 kDa subunit	2972
	LMO2	LIM domain only 2 (rhombotin-like 1)	4005
	C8orf37	chromosome 8 open reading frame 37	157657
	RNF157	ring finger protein 157	114804
	LSAMP	limbic system-associated membrane protein	4045
	POLD3	polymerase (DNA-directed), delta 3, accessory subunit	10714
	CYP27C1	cytochrome P450, family 27, subfamily C, polypeptide 1	339761
	WDFY2	WD repeat and FYVE domain containing 2	115825
	BBS7	Bardet-Biedl syndrome 7	55212
	ATXN7	ataxin 7	6314
	DLGAP5	discs, large ( <i>Drosophila</i> ) homolog-associated protein 5	9787
	ZNF197	zinc finger protein 197	10168
	GCNT4	glucosaminyl (N-acetyl) transferase 4, core 2	51301
	HAL	histidine ammonia-lyase	3034
	RANBP1	RAN binding protein 1	5902
VAPB	VAMP (vesicle-associated membrane protein)-associated protein B and C	9217	
RNF144A	ring finger protein 144A	9781	
MEF2C	myocyte enhancer factor 2C	4208	
PCMT1	protein-L-isoaspartate (D-aspartate) O-methyltransferase	5110	

PTBP3	polypyrimidine tract binding protein 3	9991
PPM1K	protein phosphatase, Mg <sup>2+</sup> /Mn <sup>2+</sup> dependent, 1K	152926
NOP58	NOP58 ribonucleoprotein	51602
CCDC117	coiled-coil domain containing 117	150275
TRMT13	tRNA methyltransferase 13 homolog ( <i>S. cerevisiae</i> )	54482
KLF3	Kruppel-like factor 3 (basic)	51274
ACSM2A	acyl-CoA synthetase medium-chain family member 2A	123876
IRF2BP2	interferon regulatory factor 2 binding protein 2	359948
KLHL5	kelch-like family member 5	51088
SLC12A2	solute carrier family 12 (sodium/potassium/chloride transporter), member 2	6558
C19orf59	chromosome 19 open reading frame 59	199675
PRIMA1	proline rich membrane anchor 1	145270
FAM210A	family with sequence similarity 210, member A	125228
GPR126	G protein-coupled receptor 126	57211
SKI	v-ski avian sarcoma viral oncogene homolog	6497
PHF6	PHD finger protein 6	84295
AMIGO1	adhesion molecule with Ig-like domain 1	57463
UBQLN1	ubiquilin 1	29979
CIPC	CLOCK-interacting pacemaker	85457
PAX1	paired box 1	5075
FOXN2	forkhead box N2	3344
ZNF462	zinc finger protein 462	58499
GPBP1L1	GC-rich promoter binding protein 1-like 1	60313
CHST15	carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase 15	51363
RNF169	ring finger protein 169	254225
TRIM44	tripartite motif containing 44	54765