

**Supplementary table 9: Pearson correlation results of N-RNA**

Human		Gorilla	
pos	neg	pos	neg
N = 2576	N = 4929	N = 1763	N = 2261
RN7SL388P	AP002371.1	SKA2	ZIC5
RPS4XP11	AL646090.1	AC125257.1	NUTM2F
RPL30	NGB	IDH2-DT	MYCN
BMI1	LINC02568	LDHAP2	DGKK
ZNF3	LINC01811	VTI1B	LIMD1
AC023300.3	AL118523.1	LAPTM4A	GABBR1
AL160006.1	AL136317.2	AC027801.3	FOXC1
ZSCAN4	AL161672.1	AL162231.1	MLYCD
ZNF862	HS3ST3B1	AL807776.1	DUSP23
AL354892.2	ADGRB1	RPSAP4	RPS16P8
CAMLG	AC003070.2	SNAP29	AC027288.3
AL139095.2	PTMAP11	C18orf21	HMG20B
SKIDA1	AC005005.3	AL035419.1	AC125611.2
AC099789.1	BRI3P1	ZNF480	FERMT1
AC009802.1	WDR90	LAMB4	TMEM147-AS1
IGBP1-AS2	GJD3	CPSF4	AP001271.2
AREL1	AC026620.1	FTH1P2	OCSTAMP
AC116667.1	AGTRAP	U91328.1	ACD
DENND1B	PTMAP5	RPL36A-HNRNP	CNOT6L
AC024361.2	HSPB7	ARL16	C1orf147
AC087393.3	AC019185.1	GTF3C4	EXOC2
AC010185.1	DIAPH2-AS1	PRIMPOL	ULK1
POLR3GL	PLEKHH3	CENPF	AC073314.1
GRIP2	PTPRZ1	GPR89A	GPRIN3
ATP6V1G2-DDX	MGAT4C	AC011246.1	KCNMA1-AS1
BAZ1A	TMEM147-AS1	RN7SL767P	LCN12
AC068870.2	OR2A9P	FAM218A	AC009061.2
ABCB10P4	AC114550.1	MTCO1P24	AP003718.1
NAIPP2	MBL1P	ERV3-1	RPL18AP2
NPC1	LINC01416	MACORIS	ALOX12
AC010163.1	AC009102.3	SEPTIN7P9	WDFY3
AC079848.1	AL590426.1	AL133395.1	B9D1
ALDH1A1	C5orf46	AC136475.7	FOXI3
AC008073.3	AC020917.2	TMEM211	GJB4
CYTH1	CARNMT1-AS1	AL022318.4	SLC28A1
RBCK1	COL5A1-AS1	MAGEA11	ITIH2
AC244033.2	INPP5J	AL355388.1	SNHG20
AL731569.1	AC010809.3	UGDH	FGF4
AC007969.1	AL583810.2	DEGS1	AC004893.3

KANSL3	CACNA2D3	GVINP2	ABHD12B
DDX50	BRD4	AL008721.1	COMMD10
RFX3	TNK2	MIS12	MMUT
DDIT4	AC005726.4	NOS2P1	FBXW11
AC025370.1	PRKCA	MEIS2	FGF20
AC046134.1	TOR1B	HPS1	CD24P4
LRCH1	AC141586.2	TMEM45A	RAC2
AC008038.1	CDC42-AS1	STN1	NPIPB12
AL591519.1	AC092171.2	AC068057.2	AC090616.2
CACNB4	LPAR3	MAP3K11	MSH5
CD36	ITGA10	ITIH5	FAM78B
AC026362.1	AC010542.1	BCL7C	MMP10
DCANP1	SDHB	LSAMP	CBR3
GSN	AL160272.1	AC002056.1	AP000350.5
AL645941.3	AC010761.3	AC011506.1	PXN
LMAN2L	SMIM22	RPLP0	ACBD5
TRARG1	AC067750.1	ANP32E	CLEC5A
AL022326.2	EPOR	MSRB2	ID1
HES1	AC079336.2	AC005041.5	OGFRP1
COL4A2-AS1	AL662907.2	MAD1L1	SYVN1
AC105271.1	YES1	OMG	MST1
SNAP29	MALSU1	AP002383.2	ACBD7
BORCS7	AC093788.1	FOXM1	MIR1301
DNAJC25-GNG1	HSPE1P26	AL359265.2	TSSK3
AL096828.2	AC093525.1	UNC119B	NOXRED1
AL356489.2	C1QTNF2	AC019117.3	AC145207.8
AL161772.1	NEPNP	CHAF1B	ITGA7
AADAT	DTNB	DPPA3P1	ARHGAP8
AC012409.3	ATP6V0CP1	AC004816.2	HSF5
AC018754.1	LINC02582	PPP1R3C	EPOR
H3P13	CYP2D7	AC007387.1	STAR
SYT15	ZNF730	POLD3	AL035106.1
PPIAP74	RNU6-118P	AC005697.1	PROSER1
TAF1A	Z99127.1	ERI2	AC093673.1
GRAMD1C	TMEM154	CHROMR	SGK3
AC106873.5	SLC39A5	CEP78	JPH4
ZNF624	FAM83H	PCMT1	AL031768.2
TPT1P12	AC145098.2	RPL39	OR56A4
MIR6073	PRB4	MYL6P1	B3GNT7
PLP1	DOK4	NNT	AL450992.4
SIM1	RNA5SP57	AC034229.4	AL390800.1
EPHB1	UBR4	STIMATE-MUST	SLC5A5
AL121899.1	UBAP2	NEU1	ZNF57

AC114947.2	AC092275.1	RPL35AP19	MATN4
GALNT2	AP005131.4	TUBA1B	BPIFB3
PSD3	AC004448.2	CENPO	AC018512.1
XPR1	AC010976.1	UHRF1	SIX5
PTPRD-AS1	FAM187B	CDV3	AL136131.2
EEF1DP2	AC015802.5	EPHB1	RDH11
AC006064.2	AL021393.1	AL592293.1	CELSR3
AC009309.2	PPP2R5E	FKBP8	CX3CR1
FZD1	MS4A15	AL139023.1	STX18-AS1
AC004877.1	SNORD5	USP3-AS1	TCF15
AC112484.4	SNORA62	PLEKHA8	TNRC6A
MIR7844	TPM3P6	SCNM1	MB
AL023806.1	HMGA2-AS1	RPS23P2	NAGPA-AS1
TSPAN5	LINC01470	AC080128.3	CRHR2
SAP30	STAG3L3	DAPK2	EPHA6
CHCHD2	AC009166.2	TMEM97	AC087392.4
RPL23AP2	PLEC	AC091271.1	PRDM11
NSMCE1	AL121992.3	SH3BGRL	CD6
CRELD1	AC092287.1	RPL37P2	MIR935
ASTN1	AC126603.1	DYNLL2	AC003043.2
JMJD4	AC080079.2	AL049873.1	H2BC20P
RNU6-501P	ACSM5	SLC20A2	AC008267.2
MEF2C-AS1	AL450992.1	RPL13P6	PDYN
HADHB	AP002852.1	B2M	MPPED2
ENKD1	LRRC69	AC092125.2	SNX18P7
IL16	SERPING1	PPM1M	TDH
CBY1	RPSAP75	CTNNAL1	CLCNKA
NICN1	PAQR6	NEK6	NANOGP2
COL6A4P2	CTAGE16P	AC104759.1	MYO18B
CYB5D2	BUB1	AC011933.1	AP001266.1
AC008393.1	AC004775.1	ACTR2	SPACA7
HAUS1P2	MYSM1	AC010469.2	AC091144.2
PTPRM	AC010333.2	PKIG	AC010776.2
ARHGAP24	CABYR	CKAP2	ZNF770
ZNF184	PAIP2B	AC005086.3	CHD8
ACADS	TBCE	TIPARP	AVL9
TEX26	HCG4B	EXT2	AC104335.2
GDI2P2	E2F3	H4C3	ADGRG5
EGR2	DHRS11	HMCE5	BSPRY
FOXE3	AC023271.1	AC174065.1	COBLL1
PDS5B	TSKS	AC002064.4	ERBB2
ORAI2	FBN3	GTF2IRD1	ILDR1
DDIT4-AS1	AC011473.4	AC064847.1	DHRSX

AL445985.1	AL590764.2	RPSAP9	AC021237.1
AC008957.3	AC008687.2	SIK2	AC146507.3
HABP4	SFRP1	AP000311.1	MLPH
AC012123.1	AC006001.2	CDS2	SOCS1
EXOC3-AS1	TMEM144	MOB1A	MIR3663HG
TMEM116	AC092068.2	AC084824.2	OPTC
ZNF189	UPK2	TIMM17B	AC124319.3
ZNF473	RSPH10B2	GPR161	FGD5
FAM151B	AC007224.2	RPL23AP44	ZFHx2-AS1
AC008443.5	AC108174.1	CES1P2	HSPB1
TBC1D3P1-DHX	XRCC2	ZNF426	AIMP1P1
AC008555.1	GCNA	MED4	RBL2
AC025164.2	FPR3	LINC01842	AC006116.3
SDK2	SCARNA6	RPL31P50	SPATA2
NCSTN	AL109837.3	RFC5	CNNM2
AC010655.2	COL4A3	AC006064.4	SLC6A3
MMD	SUPV3L1	ZMAT2	LINC00858
ATOH7	COQ8A	FBXL4	PCYT1B
AL513318.2	LINC01880	USP6NL	FAM174B
AC109347.1	KRT18P39	MBTPS2	IGFBP3
AL359504.2	BDNF	RPP25L	FAM131B
VIRMA	EFR3A	KCTD20	ASH1L
LYVE1	MEF2D	AC022210.1	AC021074.2
CSNK1A1L	RN7SL521P	NCAPGP2	AC084018.2
LINC02217	AC106872.3	COX6C	PSME2
AC010894.2	FBXO24	AC126615.2	AL136221.1
RBAK-RBAKDN	LINC01391	CHGB	NBPF20
NXT1	RSL24D1P3	TMEM123	AL591686.2
AP001267.2	AC133041.1	RAD23B	AC011481.1
AC087477.2	AC092296.2	LINC01170	AC138932.1
PARVA	LEPROT	ILDR2	NPEPL1
AC005697.2	ARHGAP42P4	IMPDH1	CTC1
SMG6	MATN4	AC004147.4	AP002490.1
ZBED5-AS1	AC087885.1	HNRNPR	PPP1R14B-AS1
PLEKHM2	AL158801.4	GPX8	IL12RB2
ALDH5A1	TRIM65	ARL3	CCDC151
HAX1	OR2H2	ZNF286A	COQ9
RPL7	AC113615.2	LINC02500	TSSC2
SPATA22	CDC14B	NUP42	U73169.1
USP30	UNKL	UBE2C	AC245100.4
BAP1	TSNARE1	ST13P4	LINC00951
HEIH	AP006248.2	AC011477.2	CD164L2
PLEKHO1	AL078603.1	MIEF1	AC008945.1

LINC02115	RMC1	CDK16	AC069148.1
AL596275.1	PKNOX1	RPL7AP7	TGM1
CA3	TEX41	AC008040.1	CAD
AC008734.1	AL137024.1	SNORA7B	TENM4
AC004224.2	RN7SKP275	RPS13P2	LCP2
AC010422.5	U47924.3	ZCCHC3	VASP
AC006059.3	AC016949.1	LRRN4	RAB11FIP3
AC111200.2	AC079416.2	TTC28-AS1	MIR4697
SLC25A23	AC024267.5	PNKD	AC093525.9
BAIAP2-DT	AC084398.2	STK33	FOXC2-AS1
CCN2	RPL26P35	AC010240.3	AL138900.2
TRAPPC1	CYTOR	DAP	AL157938.3
SOX9-AS1	GRIK2	AL390774.1	AL162726.3
EFEMP2	BPIFB3	AC145207.3	AC011306.1
ZMAT5	AL033379.1	AP001024.1	NUMA1
DNALI1	AC131212.3	AC024558.2	LINC01134
INO80B	AC016026.2	CATIP	CCNK
POLR2G	MIR1909	AL157813.1	AC254629.1
HTATSF1	CYP51A1P3	PIGA	DPH1
AC008429.2	AOC2	IPO9	SULT1C2
Z68323.1	GRM7-AS2	LARP6	ATG2B
FKBP9	RNU6-26P	RPSA	FMNL2
SGCB	AC004470.2	PRXL2AP1	AC105345.1
DCTN3	PPIAP71	C5orf34-AS1	ATOH1
AP000344.1	SNORA5B	GIMAP4	MTOR
AL138966.2	CSPG4	AL035587.2	MT-ND4
AC087521.1	AC080129.2	NAP1L1P1	TRAPPC12
SYCE1L	HMOX1	GATC	OR52A1
AC018630.2	C8orf74	RPL7AP66	MSMP
FAM3D-AS1	GMCL1	ITGA4	ARFGEF3
AC012462.3	AL445250.1	ARL4C	AC011453.1
GSTA1	RAD51-AS1	CALM2P2	PSMG4
AC008267.5	WDR11	CLCN5	CARD11
FBXO4	STEAP1	AL035078.4	KCNK18
KCNC1	AC083899.1	AC004466.3	CTSA
MRPL37P1	TTC19	AC007405.5	FAM157C
TUBA3FP	OR7E5P	HDGFL2	AC022001.2
DENND6A-AS1	CFD	FAM166A	TFAP2E
LUC7L2	AC107464.1	AL603832.1	BNIP3P22
C2orf81	TLR8	TSPYL2	CCR8
PICALM	MTFR2	ZNF83	RECK
AC005832.2	LPP	TRIT1	PRR12
ACTR8	ZNF134	AL356094.1	BTBD11

RPS24	TYSND1	OSMR-AS1	CHPF
SEMA4F	AL391666.1	HAUS8	FMR1-IT1
AC072061.1	NRBF2P3	AC009238.1	AL353699.1
AC093899.2	AL671277.1	TPI1P3	FBXL5
FOXN3-AS1	SNORD96A	CRYZ	CLNS1AP1
GSTM2	ZMYM1	AICDA	AL109614.1
HSD17B11	OR2A14	NACA4P	AC010761.4
GALC	SMG1P1	FADS1	TTC27
LRRC4B	LYPLAL1	AC125612.1	MRGPRG
CLVS1	FAM91A1	AC016712.1	LINC02805
AL359091.1	RPL23AP77	TBC1D22A	TCL6
NPR2	AC025287.4	BTF3P12	AC106895.2
SRGAP3-AS3	AC020915.2	MACROH2A2	HTR1A
AC080013.1	AC027801.5	AL162231.5	TAT-AS1
ZNF192P1	AL138479.2	AC007490.1	AL157823.2
ELMOD3	AC130466.1	NNMT	RAB25
NKAP	AC069549.1	RFX3-AS1	AC098869.2
CCDC144NL-AS	AC116407.4	AC005253.2	AC011611.4
LINC00888	CCZ1B	FSCN3	FCHSD1
LEMD1	TERT	AL136116.3	KATNAL2
MTERF2	AP001033.3	AC022098.3	AL132712.2
ST6GAL2-IT1	KPNA2P3	CCR1	SCNN1D
MAP3K7	SP4	AC009506.3	C6orf132
HDHD5-AS1	PSME4	RPS20	AC009549.1
AL390955.1	CALML6	TSPAN18	PLCL2-AS1
RADX	LTB4R	ARPC4-TTLL3	NPTN
TBC1D9B	GRK3	DLC1	DPPA2P2
WDR86	ZNF717	AP001528.2	ODF3L2
AC007552.2	TRPM2	AC027031.2	ASB14
AC073957.1	CRYGN	RPL21P67	AP003108.5
AC090409.1	GUCA1A	UBA52P5	LINC00346
GLB1L2	GGT2	H3C9P	ANKRD63
AKR1B1P2	AL357093.2	AC005480.2	SNORA51
UGT2B7	AC074212.1	AC011603.3	CEL
AC005842.1	GPR18	CHCHD5	TGIF2P1
UXT	AC009533.5	AC010395.2	TUT1
LINC01031	POU2F1	ARG2	FBXO24
ZNF211	AC004817.3	AC092171.1	AC016825.1
RIMBP3C	AC114546.3	PSMC1P9	AL133492.1
CBX8	KRTAP5-3	IL1A	AC027801.2
DGKG	AC005336.3	AC073063.1	STYK1
AL160394.2	PCDH11Y	PGLS	AC020658.7
CNNM1	AL929472.1	AC004012.1	MGAT4C

BMS1P10	BMPR1A	S100A13	AP004606.1
C11orf91	AC099499.1	IQCH-AS1	PRR7-AS1
S100A10	CAPN15	AC112491.1	AC069120.1
RPL6P12	AC022137.4	KCNV1	SLC25A35
TTC36	AL359885.1	AC092431.2	COPS7A
ZFPL1	AL513314.2	SNORD49B	AL049812.2
WDR13	RBM41	SEPTIN8	PTPRU
MDGA1	SLC16A6P1	HNRNPA1P36	MIR4683
EIF4HP1	UPF1	AL603839.1	AC080075.1
AC097641.2	AP001970.1	AC010904.2	AC008105.3
AC110716.2	AC007535.1	MRPL53	KCNN4
TINF2	METTL14	RPL3P10	INSR
LGI2	AC027237.1	PAK4	ULK4
FAM217B	APOL6	AC080112.2	ETFDH
CCDC167	DOCK9	RAD9B	USP44
AC034102.8	AC093159.2	TUBBP2	TMCO6
EPHB3	DUS2	BUD13	FARSA
AC108025.1	FIGNL2-DT	RPL5P28	GNAS-AS1
OXR1	PPP2CB	HSBP1	SLC39A11
NHLH1	PDE7A	ACTR3	LINGO4
WDR82P2	AC023906.3	FAM189B	C17orf107
AL021707.5	AL022316.1	GPR162	C2CD4D-AS1
TMEM150C	ACTRT3	MIR611	GATA2-AS1
XAB2	AC116562.3	OGFOD3	MYB-AS1
SNRNP27	INTS6	AC034193.1	SPATA25
NACA	ARL17B	PCBP2	AP006621.2
CHCHD5	SMG1	EED	CARD10
WDR34	SCN8A	RPL24P8	PHF21B
ZNF136	AL096678.1	LDHAP5	PCOLCE
C6orf118	RPL29P23	SGO1-AS1	SDAD1P1
TTC3P1	TXNDC16	CNRIP1	AL022318.2
PMS2P3	CHRM1	OLA1P1	LINC01191
AL662797.2	TGM3	AL354811.1	IGSF9B
TNFRSF10B	DDX53	AC079610.1	MIR3196
ZSCAN2	ZNF578	RPL35	AL358613.3
SPATA31C2	AP000769.3	AC234778.1	LARP7
AC008758.6	MMP21	CKAP4	LYPD2
PEAR1	KPNA6	AC084757.3	PARM1
CDYL2	RN7SL118P	KMO	AC010624.2
FP236383.3	AC024560.3	DEPDC4	ZAN
AC008741.1	AC009950.1	LINC02768	CPNE7
SCOC-AS1	CCDC150	LINC02340	NPBWR1
AKAP3	TGIF1P1	WNT6	AC009052.1

RBM15B	MME	ENY2	RIPK4
AC012615.5	CRTC2	LSM4	RCC2P6
ADAM11	LINC01432	NACAP8	ABI3
MYO1B	OSR2	RPS7P3	AKNA
BTN2A3P	PRR7-AS1	FAU	ACRBP
MMEL1	AL391827.2	TSPAN31	MYO1E
AC110716.1	TMEM233	HMG3-AS1	AP005019.1
LYRM9	FNIP1	SAR1AP4	PWAR5
LINC01584	AC097637.2	CRPPA	AC027801.1
P4HA2	NID2	AC010618.2	RHOF
TSPAN19	AC011446.2	MEX3A	SLC4A1
SIAH2	AC108865.1	ALDH1A3	POU5F1P6
CYP2T1P	AC004771.4	SHPK	AC006539.2
FOXP2	USO1	PDLIM7	WRAP73
AC069444.1	SOCS2-AS1	EEF1A1P10	FBH1
RPL5P17	SOCS2	AC007387.2	AL117329.1
BCL2L13	SNORD116-18	COL11A1	USP48
AC129492.7	RNU6-701P	WTIP	MATN1
MTMR4	CYP2D6	SNHG19	SLC2A9
AL138960.1	HMGB3	LINC01684	TGFBR3L
AP001830.1	KRT18P55	NPAP1P3	TIAM2
FDPSP1	ITGAD	AC024940.3	AC073964.1
COA6-AS1	STPG3	RPL7P52	AP006289.1
NIM1K	AC011447.6	EIF4H	H2BC12
BAALC	ADCY4	AC092045.1	LINC01311
RNFT1	IL4R	TVP23A	ATP2A1
RGMA	SGSM1	GAPDHP76	F2
AC243547.3	GRIN2A	HOXD1	AC100793.1
AC140076.1	KLK14	AL512590.3	AP000438.1
TLK2P1	SLC35F2	TPT1P12	HMCN2
AC002094.3	HBG2	RPL7P25	BSN-DT
ATP9B	AC008649.1	POC1B	RNU6-1208P
CEP83-DT	CALCA	SEMA3A	EHMT1
PLOD2	ALCAM	AL359844.1	CHST6
HCG17	ZNF350	SRSF9	NIBAN2
STX8	PRR35	RPL7AP31	AL355490.2
FAM225B	SLC35E3	AC007435.1	INPP5K
KLHDC8B	XCL1	HSPD1P6	BCL2L10
SYS1	AC119044.1	AL122020.1	TFB2M
RPL10	AL353804.1	TNNI3K	GGT2
RPS3AP25	MIA3	ANKRD20A11P	MST1R
MIR4648	AC117473.1	HNRNPA1P48	LINC01060
PSKH1	AC011815.1	WDR38	PITRM1-AS1



ACVR1	LINC02263	TRIR	AFAP1L1
LINC01054	WDR92	AC007182.2	LINC02370
KAT5	AC022274.1	AC015795.1	ADAM22
SLC35D1	TRPC2	DKK1	SNORD116-22
TBCA	AC090282.1	AC092805.1	AC034187.1
GNB1	AC009634.1	FAM92A	AC233280.19
AC018659.3	FGF6	GYG1	TTC31
AL139246.2	AC113391.1	BTRC	AP000563.1
OTOP1	CTAGE15	AC084018.4	ZBED6CL
C16orf95	AC073957.3	AL162385.2	ATF7-NPFF
AC006130.1	ZBTB46	GSTM5P1	LDHD
AC006064.6	NFKBIA	ST13	AC106864.1
RP1L1	AHR	FAM171A1	AC018761.3
MAFG-DT	AL390783.1	UBC	AC093904.4
NSA2	AC074141.1	MYLK-AS1	MT-ND5
AL691515.1	Z84468.2	AL021026.1	AL356057.1
AL627230.1	H2BC4	TSPAN11	CARD6
IFT20	AL162586.1	LMNB1	AC004918.5
DTD1	MIR3682	XPNPEP1	MAFK
CDPF1	CHCHD7	PCBP2P3	NAPSB
BMF	EFEMP1	WASF1	AL021707.6
FAM228B	SGO1	STK24P1	SNORD36C
AC005908.3	AJ011931.2	AL513478.4	OR2A1-AS1
DYRK1B	SMC6	AC006112.1	HNF1A
TUBBP2	BNIP3P17	PRDX3P3	AL449105.2
LINC01783	IMPDH1P10	NAP1L1P3	TAF6
KIAA1328	PTPN22	PRKG1-AS1	AL136526.1
C16orf82	AL158141.1	AL160270.2	RASEF
ZDBF2	AC067852.1	NXPH2	CTRB2
KIRREL2	MLLT10	FO393411.1	ST6GAL1
EEF1G	SEMA6A-AS2	B3GAT3	FGF12-AS3
AC011445.1	LINC01278	NEIL3	AC003102.1
EPHA6	DPP6	EXOC1	SLC11A1
BCAS3	RN7SL614P	AC009779.2	DYNAP
AC130456.5	KLK2	NIFK-AS1	C3
PLPP7	AC026461.1	ZDHHC19	AC016737.2
VWCE	TEC	ZCCHC8	SNORA74D
INIP	TRIM14	RAB32	TRIOBP
GPR162	POLE2	TMEM179B	C17orf102
AP000802.1	AC111170.2	ARPC3	PLIN4
H1-9	ROR1	ABCC6	KCND1
RPL17P50	MIR4653	TMEM60	CLDN7
AC129510.1	AC100861.1	VDAC3	SERPINA1

TTYH1	AC090018.2	AL732314.8	UBE2Q2
NCALD	DTX2	AC010476.1	B3GALT1
SPATA21	ESCO1	AC110813.1	ARAP3
ZNF497	STX16-NPEPL1	H2AZ1	PHOX2A
DRG2	DCUN1D1	COX7A2P1	AC007448.4
MAFTRR	OR7E115P	TPI1P4	PAK1
RPL10P3	AL109914.1	AL162258.1	GPR139
RAG2	CHAC1	AL080243.4	JMJD7
AC068491.1	SLC12A9-AS1	RPS2P5	ZNRD1ASP
SPRED2	AMMECR1	KXD1	AC010327.7
RPL13P12	AC068831.2	LBR	EAF2
AC133435.1	LINC00681	ORAI2	AC008870.6
DYNC1I2	BEND6	PON2	C15orf56
AL365366.1	TNFAIP8	PDGFRL	AL669918.1
AC026254.2	AC078778.1	MPND	PCDHAC2
PIK3IP1	AL365259.1	PLPBP	ECE2
MYCLP2	AL031600.1	RPL10P6	RNF213
MAOB	AC010463.3	AL078612.2	CHN1
LINC01447	AC007728.3	QARS1	AC048344.1
NKAIN4	ZAR1	NACAP2	KIAA0895LP1
FAM168B	AC004975.1	RPS7	AC007494.2
PHPT1	OR56B4	AL121936.1	LINC01224
RN7SL268P	AL354797.1	HMGN3P1	CYP4F8
FAM209A	SLC34A2	RBM34	HLA-DQB2
AC138207.2	AC025750.2	IKZF1	GOLGA3
RXRG	LINC01585	AL096700.1	AJ011931.2
AC008946.1	KIT	YWHAEP5	PLEKHD1
AC135050.2	MIR600	AC005045.1	PNMT
CCL27	PDSS2	SOCS3	AC083805.3
HIP1	GSPT1	HSPA13	PRR5-ARHGAP8
ERGIC1	LINC02076	SNHG9	AL731563.4
AC068700.2	AL355433.1	AL662884.1	RSKR
AC091982.2	KLK1	COPRS	AC010503.5
ZNF410	AANAT	AL162393.1	EBLN3P
RPL32	SAP25	AGBL1	MIER2
TVP23A	AC091133.6	AC104260.3	KLF4
FRYL	AP001042.1	RAD51C	HPAT5
AC087284.2	MTHFD2P5	TGOLN2	AC012150.1
AP002990.1	AL023755.1	RPL29	AL121578.2
LIPC	AC104237.1	AP000553.1	CACNA2D2
LPP-AS2	RN7SL34P	SNRPD2	MIR215
H3-3A	AC004951.1	AC006509.1	KLF1
CANT1	AC005336.1	RPL24P2	UPK3B

CDKN2AIP	AC007494.2	UBA52	CSF3
CFAP44	LRIG2	RPS15P5	GAS6
HMGCS1	SLC7A10	TNFAIP3	PSMD10P1
FOXP4-AS1	ALS2	RPL10A	B3GALT5
LINC01184	AC138932.3	SYTL2	AC003077.1
GPKOW	ADAR	HEG1	ARHGAP9
LDB1	AP003392.2	AC008033.1	PCDHA9
KLHL20	AC008760.1	Z82206.1	CXCL5
CERKL	AL356413.1	AL390058.1	WDFY3-AS1
CYB5R1	KDM2B	CSK	MPO
ADGRL3	CENPUP2	SPC24	SCN8A
EIF3F	RNU6-759P	OTULINL	KCNN2
MACROH2A1	RFX1	AL592148.1	OSBPL10
AP003352.1	AF131216.3	SNORA78	BIK
AGGF1	AC008895.1	ADH5P4	AC011899.1
AC010533.1	AC104134.1	RPL22P4	AC010735.1
ADGRA2	FAM241B	THEGL	C10orf91
PPARD	AC016586.1	BTF3	CHST2
RPS4XP6	LINC00102	AC073115.1	ATP2C2
C5orf24	BRAF	TLK2P1	PPL
AC079793.1	AL590705.2	CTNNA2	ANKRD20A1
ASCC1	AL157366.1	MAPK14	GAS2L2
TMEM262	AC111170.3	AC006122.1	POM121L9P
AKAP13	MIR5587	LRP2	POLRMTP1
ANTKMT	NLRP6	COA6-AS1	SMAD7
AL359317.1	APCDD1L-DT	HLA-DMB	RCC2P7
AC026316.4	RBMXL1	AC092641.1	QSER1
C11orf1	FTL	AC091685.2	PTPRF
TUBBP1	UPK3A	AC110285.1	PAGE4
LINC02572	PERM1	CTSH	C1orf127
AL158847.1	EBI3	RAD51D	EI24P2
DEGS2	SERPINB4	SPOCK1	DHDDS-AS1
AL845472.2	AC100861.2	AL031727.1	AC096751.2
AC068057.2	PNN	PPIE	AF111168.1
CEP57L1	AL161733.1	SLC2A1	MTMR8
TRAM1L1	N4BP2L2-IT2	ACTBP13	RNF31
CFAP36	RPS29P17	STIMATE	AC138430.1
AC009480.1	LRRC34	RPS4XP1	HRC
AC008808.1	ESX1	AC008946.1	AD000864.1
ABCB10	ZFAND4	AC126615.1	AC108051.1
AC140118.2	RMI2	CCDC192	FGFR2
SEMA7A	FAM83C	MFF	TMEM184A
LAPTM5	TRIP10	PPIAP33	AL390719.2

TMEM132A	BMP7-AS1	HACD3	AC104306.2
EIF3LP1	AL592078.2	TPI1P1	AL359881.3
NARF	CNKSR2	RDH10-AS1	AC109583.1
KIF19	CYP2B7P	CDK5RAP2	C10orf105
IDNK	AC120114.4	AL691477.1	LRGUK
ITPKC	PPTC7	AL161740.1	SNURF
RNASEL	AC009404.1	FUT5	SCARA5
WFDC3	CYP27B1	AL442644.2	AL136162.1
AL049873.2	UBP1	HNRNPA1P12	KRT8P9
MED8	EIF2AK4	RPS7P4	TEAD3
BBS5	PCP2	ELMOD2	NCR1
ZNF532	AQR	TTC19	AC112206.3
APLP1	AL442003.1	RHOQP1	CDK6
MAP3K8	AL359715.3	TUBBP1	MIR302A
PPP1R36	AC016716.1	UBL7-AS1	SNRPN
KDM4E	KRTDAP	MED22	AL135999.2
FER1L4	NR0B1	RPLP0P6	UBE3B
TP53I13	AC021105.1	RPS19P7	ARHGAP18
DDX31	KCNE3	SLC12A7	ZFP92
AMFR	S100A11	FLOT2	AC009948.3
AP000942.2	AC107068.1	AC092587.1	RAI2
AC245884.1	ACSM2B	ID3	LINC00545
ZSWIM3	AC005329.1	RPL21P44	MICAL2
ZNF420	SLC39A2	HNRNPA1	AC008750.3
PMM1	TMPRSS11F	AC095041.1	BTNL2
POFUT1	INO80	COMMD6	PPM1J
CEP41	UACA	AC009652.1	ATP6V1C1
KLHL22	ELOCP31	AC098614.1	ART2P
COG1	AP000357.2	PARVB	AC020661.3
Z99289.1	ATP5PDP1	FIGNL1	CLDN34
PRXL2B	LY6E	AC125618.2	AL353708.3
AC083862.3	TGIF1	AC073896.5	GAPVD1
ANKUB1	AC078795.2	INO80C	LHX4
SMOX	UNC93A	AC112187.3	ARHGAP4
TTC26	AC011853.1	RPL19P16	AL355102.3
AC138207.6	RN7SKP9	MIR4641	CFAP298
NEURL3	AC015909.1	RPL5P9	LINC02520
MAP4	ATP4A	DMGDH	SSTR1
AC025459.1	MIR221	SUMO2P8	AC121320.1
RPL37	LINC00598	LPP-AS2	THEG
IAPP	AC109460.4	LINC00648	HERC6
DHX32	ANK3	USP3	RN7SKP101
PHETA1	VN1R82P	AC246787.1	MLXIPL

ABHD14A	KBTBD8	SCPEP1	DNAH17
LINC00346	CYP4F8	AC007848.2	TCF7L1
AC245297.2	FTCD-AS1	NKIRAS1	BIRC6
ARHGEF25	ZNF770	STAU1	ACVR2B-AS1
FDXACB1	TXLNGY	AL355472.2	FXYD5
PRSS56	FXYD1	CDC27	SHB
RNU6-398P	AC138409.2	AC073333.1	LINC00598
AC002985.1	RPL12P25	HMG2N2P32	PWAR1
AC118553.2	FBXO39	ZSWIM7	PKNOX1
AL358933.1	AC019097.1	MRRF	CCDC85C
ITGB1-DT	HNRNPH1	AL157394.3	HJV
AC092803.1	AC118281.1	RPS2P7	THEM5
CPNE8	C10orf91	STK24	AC034111.1
AC232271.3	AP001107.5	AC117453.1	AC116917.1
AL662844.4	ACVR2B	LINC01960	CCT8L1P
NEUROD4	AC010332.3	AL158055.1	CDK3
RBM8A	CISTR	DGKD	RTN4IP1
LRRC17	IFNL4	EZH2P1	INO80
FARS2	NOC3L	DUSP12	ERBB3
ZEB1	CD44-AS1	HNRNPA0	H2AC21
AC130456.2	CMAS	AC134772.1	TAZ
CHRNA	AZGP1P2	LGMNP1	TRABD2A
GABPB1-IT1	AC025178.2	AL139811.2	ST14
ADGRL3-AS1	ASL	AC006028.1	AC010530.1
SMYD3	CCNC	MIR198	NAV2-AS1
EGFL8	AL121578.2	GJD3	AC004846.2
ABBA01010928	COX17	PRH1	AL161431.1
RANBP10	WDR36	AL139158.1	SMOC2
ALKBH7	AP000356.2	AC131571.1	LINC02615
RN7SL771P	SLC25A26	EPS8	AC003688.2
CAMK1G	AC002480.2	AL606834.2	SHMT1
GSTM3	AL139020.1	AC010336.4	ZFYVE26
HLA-E	SYN2	EEF1D	AC009446.1
RING1	NDEL1	SFT2D2	AL353804.1
AP001528.1	AC027237.2	AC139769.2	GHRLOS
PKIG	AC013565.1	AC025766.1	AC136604.2
AC092171.1	MIR103B2	AC007849.1	WIPI2
SGF29	AL450263.1	RPS4XP11	FAM217A
GANC	AC120057.4	EYA3	AC015983.2
EEF1A1P26	GJA5	CHD1	KCNQ1-AS1
WDTC1	AC100830.1	LINC01213	FAM215B
CPB2	AC023302.2	MRPL30	NECTIN3
AC080080.1	TMEM78	UBE2J1	AC131953.2

RP9P	FJX1	COL4A2	ESX1
AL590635.1	AC087721.1	COL4A2-AS1	AC007527.2
DCLK3	TMEM210	HNRNPA1P35	SPEG
MXD4	GLYATL1	SEC24B-AS1	FGF16
AL133238.1	AC093535.2	MED4-AS1	AP003392.6
DCDC1	EHD2	TTF1	AC090527.4
FUT11	AC044810.2	AC004594.1	SNORD37
AP004607.3	TUFT1	RPS9	FBXO25
PCSK9	AC098869.2	DYRK3	AC127520.1
WBP1L	SUMF1	EFNA5	AL391845.2
GSDME	AC016394.3	KLHDC8A	HES3
RMDN1	H2AC6	FKBP7	TERF1P3
NIPBL-DT	SNORD116-20	AL353662.2	DMXL1
AL020996.2	SCLY	LINC02240	AC126614.1
E2F6	AC024610.2	RPLP1	PUM1
COMMD6	LINC02593	GALNT2	AC137932.1
RPL29P11	CCDC144A	AC009630.2	AC139783.1
AC092506.1	AC245100.7	CEBPE	AL049839.2
AL158136.1	WDR12	HILPDA	WRBP1
GNG12-AS1	MIR4258	SMCR2	AC005609.2
AC008808.2	AC133961.1	LINC00334	AC026412.1
SIRT3	PILRB	PIGC	C1orf216
ARPIN	FGFBP2	ZFHX4	OLFML3
AL137857.1	DNAJC21	RPL31	AC008434.1
INSYN1	TAS2R38	GAPDHP35	AC090617.10
AC087623.2	ZNF883	SRP14-AS1	OTUD1
FZD4	AC005520.2	SNX12	AL513523.6
MCTS1	CASC19	HNRNPA1P26	IGHMBP2
GTF2IP1	GSTA8P	LCA5L	CYP26A1
AC116049.2	PA2G4P3	CNTFR-AS1	PNRC1
FAM229B	ZNF107	AC010655.2	AC093864.1
SLC9A9	AP003057.1	SYT9	AC124312.1
AC010342.1	AL591543.1	CTBP2P10	ACAA2
AC097658.2	MIR1914	AC105391.1	HPN
CISH	LINC02415	SESTD1	HPDL
TSPOAP1-AS1	AC073172.1	AL161757.1	OSTF1
RADIL	APOBEC3A	PDP1	ATP6V0A1
IK	TUBB8B	AC044787.1	PSMC1P7
AC125807.1	METTL7B	YWHAE	AC006994.1
SH3BP5L	AP005482.4	LNP1	AC124944.3
WSB1	STX16	VPS26A	BX842568.3
UFSP2	FGF13-AS1	AC027796.3	CARNS1
CNPPD1	MTBP	CFL1P3	DGAT2

BAZ1B	AC103876.1	MOV10	SNRPGP3
LINC02693	AL359771.1	JARID2-AS1	LINC00514
ZNF70	AR	NECTIN2	TRIM45
CNTNAP3B	AC012615.6	AC244517.11	KLHL36
YPEL2	TMA16	MRPS14	AC012317.2
BX649632.1	IL20RB-AS1	RPL19	CFP
HES4	ELP2	RCN1	ERVH48-1
LRRC37A5P	TMEM229A	AC027104.1	NKIRAS2
AC024940.3	SHE	SLK	AC092162.2
NKIRAS1	ZNF197-AS1	LLGL1	UBALD2
SNORD118	ANKRD62	AC106707.1	RET
AL450998.2	AC116348.4	PDE10A	IRF2BPL
ASGR1	LACTB2-AS1	RPL5P3	NOM1
CTNNBL1	ATP1B1	AC130472.1	SRRM2
ANKRD13A	RNU6-155P	AC034102.5	AC124312.2
RPL21P16	LINC02136	ANP32A	UBE4A
TBL2	AC156455.1	RPL24	GFY
ATXN10	TEK	AC012354.1	STEAP2
SPA17P1	SUN1	AL117350.1	AC010501.2
IFI27L2	AL159169.3	TAF7	SYN3
NCS1	UBE2Q2	GLUL	C5orf46
AC073195.2	MYO15B	ZPLD1	AL021807.1
GNG10	TRRAP	SEL1L2	AL132709.7
ZNF768	KCNAB1	PPIAP87	AC008760.2
RPS14	RN7SL665P	AC087163.2	RAMP2-AS1
AC053527.2	POLE	AC084824.6	EWSAT1
GLDC	ZAR1L	RHOA	KLK11
NTRK1	HCK	CYB5R4	PPFIBP2
GPR161	NCF1C	AC016739.1	RAB7A
AC100810.1	AL135784.1	RPL32	WDR87
ETHE1	ITPRID1	FAM192BP	RNF225
CCDC160	FP565260.3	RPL36AP43	ZDHC11
CYP3A43	QSOX1	AC013472.2	FURIN
ABCC9	AL450487.1	BLOC1S5-TXND	PTGDR
AC032011.1	MYH6	PPA1	AL450992.2
ISY1	AC100821.2	AL359233.1	JMJD7-PLA2G4B
LINC02649	CLIC4P3	METTL2A	CDH3
MGAT5	TDRD7	ABCC6P1	AC091544.4
ARMCX1	AC010809.2	RPL14P3	IGF1R
MYOM2	TMEM170A	KBTBD11-OT1	ESRP2
CRISPLD1	MIR3663	AP001056.2	LINC01206
AC093158.1	DDX11	SRSF9P1	SLC2A5
ABITRAM	AC015911.4	RABGEF1	LINC00428

MTNR1A	AP003025.1	FUNDC2	ZNF707
TRAF3	SEPHS1P4	AC007014.2	BCR
AC105942.1	C6orf163	TXNDC5	TGFB1I1
IFT140	KMT2D	TMEM167B	AC016737.1
AL133523.1	AL353693.1	ICE2P2	AC005753.1
AC092725.1	AC011455.6	MIR4740	AC020911.2
NEIL2	AC073310.1	AL355994.2	POLR3GP2
OAF	OR7E14P	SNORD25	CTBP2
PRAF2	AC020916.2	AC002985.1	OSBP
RAD9B	ZNRF1	SMPD4P2	AC009097.2
PCDHGA6	CLEC4O	RPL24P4	SPIN3
GMEB2	AC093535.1	AC104472.1	PAH
ANKRD6	AC004974.1	SLBP	AC099668.1
STIM1	CFHR3	SRSF12	AC092171.2
ACACA	KLK5	MCUB	UBE2Q2P2
RPL13AP25	ACOT13	SLC25A3	HCFC1R1
AC034236.2	PSD2-AS1	AL662797.2	OR5H6
AL035252.5	CEBPZOS	PCBP2-OT1	PPM1N
AL135925.1	AL512590.3	ST3GAL4	SYNGAP1-AS1
VEZF1	MIR4435-2HG	SNW1	MT-CYB
LINC02246	AL391422.4	FAH	ANO1-AS1
ELAVL1	OCEL1	RPL21	GRHL2
DET1	NUP43	RPL22P1	AC116025.1
STK40	AC092802.4	APAF1	AL355916.3
ATRN1	AOX1	TSPAN6	SNORD116-26
AC010442.1	BNIP3P18	ACAN	VPS54
AL136141.1	AC139769.3	AC092079.2	CD99P1
FADS2	CRYM	RPS24	AL355870.1
PRR14	AKNA	RMND1	NR5A2
ILF3-DT	LRRTM4	CHRNA5	ANXA9
AC110285.1	CLDN3	LINC00672	GPR50
EMC1-AS1	RASIP1	PROK2	ETNK1
AC005014.4	TREML1	PLD2	AC020978.4
HMGCL	ZNF146	CDC5L	PCDHA12
THSD7B	PLEKHF1	LXN	USHBP1
MORF4	AP003550.1	AC002550.2	Z99127.2
LINC01300	PTPRU	AC105942.1	SCG3
RPS3AP47	RNU6-1201P	TUBB	LINC01508
IGBP1	AC011503.3	AC018697.1	AL121924.1
TMEM219	KIF1C	RPS15AP24	AC004263.2
AC021188.1	AL607028.1	RP9	GRIK5
AL096701.3	TCF23	CMTM3	LINC00315
SOD1	L3MBTL4	GLO1	SLC44A1



SNCG	SOCS4	PDE5A	FAHD2CP
SATB2	AC091891.1	AC093591.1	PDXK
MEX3B	FBXO30	FNDC3A	ANKZF1
C14orf93	SNAI3	AC104984.2	MIR4639
ADCK2	PCOLCE2	CTSL	ADCY4
DYRK3	CDK7	ATP5MC2P3	TEC
AC105094.2	FAXC	LINC01385	AL669831.3
AC005052.1	HLA-A	STBD1	GNPTAB
CEP63	AC016292.1	GPATCH11	IVNS1ABP
RAB28P5	AC079781.5	GINS4	JCAD
GLIS3	AC009081.1	VHL	RPARP-AS1
FOXQ1	MCM3AP-AS1	NDRG3	LINC00937
AC110285.6	RSPH6A	SEPTIN7P7	AC078962.2
AC007608.1	TREM2	AL355472.1	SUSD3
AP002991.2	TDH	DDX50	AL034422.1
ZNF250	BRCA2	NECAP2	EEF1AKMT4
PCDHGC4	AC005829.2	IQCC	TMEM214
TTC12	MSL3P1	ELAVL1	TMEM158
UBA1	GTF2H2	DENND5B-AS1	AL031005.2
SOX6	AC091832.1	AC243919.1	LINC02041
BCL7A	LINC01950	AOAH	PHLPP2
PSTPIP2	RN7SL246P	H2AZ1-DT	RPS10P5
AL031963.3	TSPAN2	RPS18P6	KLHL42
FEZF2	FAM172BP	CTBP1-DT	SPTSSB
AC012065.4	ACMSD	IFT52	SEC14L5
DLL4	POLR3GP1	ST20-AS1	TSC1
C10orf71	AC092436.1	LINC02067	FAM110C
MBIP	ZNF121	SFMBT1	CTAGE7P
AC004801.1	BNIP3P5	RPL26P3	NR2C2
SERPINB6	GOLGA8B	DCTD	AL359183.1
ENPP2	TOPORS	AC096922.1	AC008013.4
LINC01023	BRMS1L	RN7SKP264	MYO7A
KLF10	GPHA2	CAPN2	TNFAIP8L3
STOX1	AL353770.3	TBC1D30	PARP12
AMZ2P1	MANBA	AC069213.3	TBXT
ZNF593	GTF2E1	THG1L	SNHG14
ARL2BPP4	AC091214.1	TMED10P1	LRG1
EZH2	UBE2Z	AC093536.1	ZNF875
CPLANE2	AL353572.4	CDH2	AL353597.1
LRP4-AS1	ATP2C2-AS1	HDAC9	AC107294.4
ROPN1B	ASH2L	LINC00437	GP9
HNRNPA1P62	TEN1	OLA1	FANCA
AC093620.1	AC023906.4	RPL3P1	SLC12A6

SYDE1	MTCO3P12	RPS26	TMEM125
AF287957.1	CATIP-AS1	FRMD6-AS1	SIRT5
PHB2	IGFLR1	RPL35P2	AL365226.1
BMF-AS1	ME1	RPSAP58	AL357033.4
AL162713.1	MIR6516	LRRC8C-DT	TNNT2
C1orf54	ODF3L2	AC110015.1	AL355315.1
RBMS2P1	AC074367.2	EBAG9	AC147651.1
PAQR9-AS1	GPBP1L1	AC008026.2	RMDN2
HECW2	AC022558.1	AC115102.1	GDPD4
ZNF521	FNDC1	ZNF136	AC108676.1
IER3IP1	AL161431.1	PLEKHH1	ITFG2-AS1
CAPN5	CCM2L	COTL1	SFMBT2
AL022393.1	RAX2	AC091133.7	EPCAM
CCDC140	RASL11A	RPL10P1	COX6B2
C17orf64	EIF5B	TP53BP2	TNS4
ARMCX3	PRR14L	ELP6	AC007991.2
ZFAND3	PLEKHM3	LEMD1-AS1	AC145676.1
AP000426.1	AC068050.1	DLK2	ITPR3
BAALC-AS2	AC080112.1	FAM47E-STBD1	RABGAP1L-IT1
MIR1-1HG-AS1	HAMP	MIR5088	SELENOP
TIGD6	MINPP1	AL355001.2	EZR
SH3BGRL3	AP001150.1	SAMD12	HLA-DOB
FAM167A	MAGEA11	PAX3	MAST4-AS1
UNC119	CERT1	SUMO2P1	YPEL3
AC025165.2	SERPINA10	COPS2	PIK3IP1
RPL29	FIRRE	CNTN4	AC069281.2
ZBTB10	ZNF793	GMPR2	GATB
MMRN1	FGF21	BOC	CLDN9
CFAP57	KRT18P16	RPS7P10	NPC1L1
C10orf143	ARL4AP2	AC002558.3	TRBV20-1
DAP3	ADCY1	FPGT-TNNI3K	TPPP2
NDN	AC004494.1	RBIS	MINCR
LINC00900	LAMB3	ESD	DBIL5P
GDF7	AC008687.8	AC093865.1	PTMAP12
VPS13B-DT	AC005538.2	HPF1	AC104257.1
STRIP1	Z69666.1	C7orf61	ZCCHC2
AC018563.2	TMEM265	EEF1A1P16	CCDC3
NR2E1	OASL	WNT5B	LYSMD3
LINC00958	ZNF878	ADAM17	AC068831.2
AL513217.1	PGA5	AL118558.2	AC092611.1
ARX	IQCA1	CAMK1	CADM2
AC133644.1	PLCB3	SMTNL1	CICP3
AL049873.1	RN7SL23P	METTL2B	AC067942.2

ANKRD46	AMN	TPI1	LINC00412
AC013489.1	CLEC2A	RHNO1	ZNF18
ATP6V0E2	NR3C1	FAUP1	ISCA1P1
MIR3654	AC005089.1	PUDP	SC5D
ST7-AS1	ATL2	AC073529.1	AC116049.1
LINC01301	AC100830.3	AC026898.1	LHX8
OST4	MSS51	CCDC137P	ANKDD1A
THA1P	LINC01205	AC009951.6	OR7E12P
LINC00511	WDHD1	RPS4X	ACSS2
RXYLT1	MOSMO	AC092670.1	MIR661
HINT2	ASNS	AL591034.1	AL022337.1
SH3BGRL	SALL3	PIR	LINC00173
HNRNPA1P58	RNU6-199P	ABHD12	AC080023.1
Z95115.1	AC009133.6	AL031714.1	AC091493.1
YAP1	LINC00635	SCMH1	Z83843.1
ABCB9	AL355347.1	PPP2R5C	AC245096.1
FAM78B	HELZ	AC093159.1	TFE3
PTGES	ZBTB24	AL136988.1	AL451164.2
GNRHR2	PRICKLE2-AS1	FAM210CP	TEDDM1
ELMO2	AC118344.4	PNRC2	AL355490.3
ERF	R3HDM4	IST1	WIP1
EID1	LINC01231	AC067930.1	AL121832.3
CYP26B1	AC096649.1	AC079174.2	AL160171.1
APAF1	CHST12	HUNK	NTS
IGF2	LINC00661	RPLP2	PCDHGB9P
PLAGL2	RNU6-558P	PPA2	MUC3A
SRRM5	MFHAS1	AL355309.1	AC015908.3
RSRC1	SLC38A9	RPS3P6	RHOQ
RTL8A	ZGRF1	RCN1P1	NIPAL1
SEMA3D	PRDM1	C15orf40	RYR1
CLCN3	ZNF33B	AP000942.2	S100A10
AC027277.1	DHX58	PTRHD1	INPP5D
ZNF214	KIF23	TEX30	FAM96AP2
TM4SF19-TCTE	AC016588.1	RPL18AP3	CD24
EDNRA	GRIK4	GYG1P1	PPM1B
AC079313.2	HCG4P8	ZFH3	AC012254.1
AL356234.3	ZBTB44	OTULIN	AL662907.2
SPOP	AC097376.2	MAPRE1	AC018693.1
VIPAS39	OR56A4	SUN5	USP43
CALHM5	AC022706.1	STX2	NT5C2
PFKFB3	LPGAT1-AS1	OTX1	PCLO
AC073389.1	AC011487.4	ZDHHC7	RN7SL530P
LINC02487	AC117503.5	NT5C3B	SDK1

TUSC3	RDH12	SOX21	AL137003.1
TSPAN3	AC084121.3	GGPS1	AC004830.2
AC242842.2	AC025031.4	CBX1P1	LINC01543
ITPRID2	AC007191.1	AC083805.2	BPTFP1
PDCD7	HCFC1R1	JKAMP	KIAA1614
MAN1B1	AC138409.1	AC067930.5	ATP6V0D2
AC104561.3	HIF1A-AS1	AL161636.2	AC007686.3
MAGEF1	LINC00299	RPS24P7	ADCY10P1
SMPDL3A	EWSAT1	MTPN	BPIFB4
LINC02637	AC006487.2	GRP	AC009148.1
PBX2P1	SLC19A3	KLHL8	AC009878.1
DCP1A	FOXB2	RPL10AP6	MFSD6L
AC063948.1	RPS12P31	ACTG1P24	TMEM220-AS1
CAMTA1-IT1	SMYD1	NANOGNBP3	CENPVL2
PARP11	AL359183.1	FAM50A	TYW1B
ATP8A1	AL355836.3	NRG3	STK38
U47924.2	AL442663.2	RPS9P1	AL359510.2
HSD17B8	ZIC5	AC099518.5	HORMAD2-AS1
AF279873.2	ARMC8	AC009245.1	DAZL
AC061975.5	PDHX	RFLNB	C2orf88
GIHCG	AC000120.2	TADA3	SERPINA2
PGM1	AC011476.2	PRELP	LRP1
AGAP3	Z98885.1	KIRREL1	CAMSAP3
VPS28	MIPOL1	PHACTR4	FAM120C
TNFRSF1B	FAM151A	AC008067.1	CRB3
AC114940.1	SNORD58A	AL022718.1	AC093827.4
KLLN	TMEM74B	RIMBP3C	GRIK3
SPECC1P2	RIMKLB	PLA2G5	MTCP1
AL353586.1	OR2B6	AL118516.1	DNMT3B
ODF2	SLC25A18	DEFB124	MIR302D
AL121603.2	AC011840.1	AC005884.2	ZNF663P
SNAI2	AL096828.3	MAML2	ADM5
MMAA	AC068858.1	AC019181.1	LINC01612
AC079921.1	AL162431.1	RPL23AP37	AP001407.1
SORCS3	C1S	AC011495.1	MIR302C
NAB2	AC138028.5	RPL21P16	GLRA3
AL121900.1	ATAD3C	AL117336.1	GAL
NRCAM	LINC01398	RPL7P39	AP001271.1
MPRIIP	ANK3-DT	NMNAT1P5	MRGPRG-AS1
CCDC121	POLR3E	GREB1	WDR7-OT1
AC005520.3	PLSCR2	AC104083.1	FMNL1
FHL1	AC022210.2	AC008481.2	SLC22A31
RPL23P2	Z97192.1	ZHX1	FRRS1

CUEDC1	TPSB2	AL137060.4	SLC25A45
RPL13	PBOV1	MTCH1	PCED1B
DENND5B-AS1	RN7SL502P	RPS6KA3	ABHD5
CDH20	WASHC2A	RPA1	LRRC71
CLEC19A	GDPD4	ATP5MC2	AL035443.1
COMMD3-BMI1	FUOM	ZSCAN12	HAPLN4
KCTD17	PIEZO1P2	RPLP0P2	RXFP3
TMEM106C	RNU6-824P	SLITRK5	DCAF8L1
AL117339.5	ENO1P3	CENPV	AC009486.1
AL096870.10	AL591742.2	CLCC1	IFITM1
PDE4DIPP1	GAS8	AL136038.5	ESRP1
FBXO7	KRT8P35	NRG2	LAD1
LINC02370	AC097065.1	VAMP3	ATP2A3
NBAS	RN7SL526P	COPZ1	PLEC
AC079298.3	INTS13	ZNF799	Z83844.1
SULT1C4	TPSG1	FAM149B1	PASK
ANKH	MICAL2	RPL31P63	AC135048.4
MAGED2	ERICD	LINC01414	CATSPER2
MECP2	AC006262.1	NMNAT1	RASAL1
TUBB4AP1	SCLT1	STK38L	ABTB1
BORCS7-ASMT	NUFIP2	ZNF277	AHSP
ZSWIM6	AL353625.1	LRRC49	PCDHA7
AP003119.1	SETX	COL2A1	B3GALT1-AS1
COMMD3	ELFN2	PITPNA	SNORA47
RBM26-AS1	ZNF544	EEF1A1P7	AC016168.4
RAB40C	AC020978.6	DOK5	RASSF3
AC027031.2	AC020978.8	TMEM31	RAD51-AS1
AC104389.5	TRAF5	RPL5P1	AL132712.1
TTC30B	RTEL1P1	AC022018.1	LINC01535
GABBR2	WWC1	AC055860.1	SOWAHD
OLIG2	MGAT5B	WAKMAR2	SORCS3
COL4A6	AL034399.2	CERK	AC011483.2
SLN	AC007491.1	MAPRE1P1	BATF2
LINC00653	SEMA4C	AP001318.1	AC130467.1
RPL13AP6	ADGRV1	GRIP1	XYLT2
AC026304.1	HELLS	SARNP	AL121827.2
TCTN1	C1QL1	RNASET2	LINC02262
COL22A1	AP002907.1	AL513128.2	TMEM131
AC112656.1	CXCL11	PSEN1	IFITM2
C5orf66	AC073648.6	RPL27AP5	AC079880.2
AC006027.1	CYTIP	AP001189.5	HSH2D
KDM3A	ANPEP	SEC22A	LEMD3
DCXR	HPD	RPL34P18	SYT7

PHF19	SLITRK3	TGFBF1	ICAM5
TUBBP9	DESI2	MPST	TBC1D2
ARMCX5-GPRA	AL049795.2	KCNK10	ARHGAP36
MMEL1-AS1	POU3F1	KLF3	NPR1
AC120057.3	AC073575.4	AC026362.1	AC027544.3
A1BG	AC018695.9	ZNF75A	MRNIP
AC018647.2	AL024495.1	AC007365.2	LIMD1-AS1
AL354707.1	AC092865.3	AC010884.1	BRAT1
MEF2C	MRPS16P1	RPS2P55	AC009078.3
ACTR1A	KLK11	AL139106.1	FAM3B
AC008914.1	AC098934.2	CNP	KDF1
FAM110A	AC012354.1	PKP1	ZNF236
SRSF4	AC130709.1	AC010422.3	STAT3
RXYLT1-AS1	HIGD1AP10	DNAJC14	C2CD4D
LMOD1	MYL2	C4orf3	PRKCG
ZNF703	RPL27P12	ZNF521	C1QL2
AP005061.2	PPP6R2P1	RPSAP12	XPO6
ZNF2	SPDYE3	RPS21	AC090398.2
PPIL4	NPAP1L	AC122718.1	NBEAL2
NOP9	RHOXF1P2	ANP32AP1	ENAM
UAP1	CYP2D8P	RPL5P17	CTR9
GUK1	STAT5A	UBE2I	AC004485.1
CNP	S100Z	AC137695.2	SNAI1
SMAD1-AS1	IARS1	PIK3R3	UHRF2
WDR54	KIAA1217	LINC01011	AP1G2
LRFN1	PROCA1	AC084880.1	CD80
PLD6	SNX16	RPL30P4	PDE4DIPP1
MFSD14A	RPL31P58	AL354707.2	AC053503.6
RPL5P23	MYO6	EPHA2	HAPLN3
MEIS3P2	AC103810.1	AP003390.1	FLT3
ZEB1-AS1	AL121888.1	TLE4	AC090607.1
MIR4500HG	AL772284.1	GCNT1	PDZD8
MYCL-AS1	IZUMO1R	PGM2	KRT18P63
ACOX3	RNU6-642P	AC093620.1	TAC4
CTSB	SACS-AS1	SS18L2P1	FXYD1
IQCK	IL37	BLMH	AL031731.1
MAP3K1	QTRT1P1	AC007620.2	ASTL
SUPT3H	AP006621.5	AL355388.2	HRH2
NRIP3	C12orf45	RAB4A	AL161646.1
VTN	GFRA4	SP8	AC006023.1
C1orf50	AC126544.2	ADAMTS20	DHX34
DIRC3	AC008735.1	LINC01763	OR5H2
UMAD1	PISD	AL445465.1	ARHGEF16

TIFAB	AC092490.1	AC005324.4	KIF13A
KIAA1841	GOLGA2P8	AC010605.1	RAB11FIP5
AC213203.4	AFF1	UNC119	AC020907.5
ST6GAL2	SNHG26	AC020558.3	CYP2S1
AC097499.1	AC073174.1	VGLL1	REPS2
SP8	AC016587.1	ANO5	GRIN2B
FANCC	AC012615.4	GPR87	FAM98C
AC005670.3	AC010507.2	BMP3	HAND1
MORN1	OIP5-AS1	GAPDHP1	MIR638
MCRIP1	AC136431.2	CCDC82	DNAH17-AS1
AC027287.2	AL118522.1	RBAKDN	PACSIN3
LINC02453	ATP6V0E1P3	AL354794.1	PRKD2
SRP14	AP000708.1	MTCO3P11	IL32
USP6NL	ACOT4	RPS15A	TBC1D23
AC073508.3	XPOT	VPS29	ZDHHC23
RILPL1	ZNF813	REEP2	ERG
TTC28-AS1	ZNF141	METTL24	AL031289.2
TMEM97	NPAP1	ANKRD18DP	SLC6A11
AP002414.4	TGFB2-AS1	LRRC1	TAS2R6P
CCDC142	EXOSC5	SELENOW	OXTR
SEC24B-AS1	RAD50	GGA2	EIF4E1B
AP1M1	AC023830.2	FBXO5	AC012443.2
SYT4	MST1R	ZNF816	PCDHA10
CUL4B	AC106796.1	RBP4	AGMAT
OLFM3	ZNF397	DGUOK	RN7SL258P
MAP4K3-DT	DIAPH1	TMSB15B-AS1	AC104117.4
KLHL40	AC006557.3	IFNGR1	AL033523.1
PFKFB4	SDC4	AC004917.1	AL157938.2
GPATCH11	MT1HL1	NDUFA1	MAFA
PGDP1	AC068134.1	RPS29	TAX1BP1
MAPK12	AC012513.1	ASH1L-AS1	KRT18P14
CIAO3	AC079140.5	EEF1DP1	AL139011.1
F10	AC023934.1	SEPTIN7	KLHDC4
ETS1	TERF1P2	LEMD1	AC120114.2
PPP1R17	SPHK2	OTX2	PRR15L
VANGL2	AL390719.1	LINC02749	SLC22A15
RAB32	AL354861.3	ATP5MPL	GSX1
C12orf57	AP005263.1	RPL41P2	AC092745.5
KLHDC8A	VAT1	MPZL1	LINC00678
CAPN8	LINC01333	FOCAD	CCDC24
AC108516.2	ZNF98	AL732509.1	TRIM50
PDE10A	CASC9	AC104088.1	LMCD1
TCIM	ALOX15B	SUFU	TBC1D8B

CEP85L	MT1P3	ARL6IP4	AC022140.2
BNIP3L	SNORD116-24	AC005906.1	FRAT2
ZNF441	CARHSP1	AC113194.1	CHKB-CPT1B
LINC02106	NTF4	SPAG7	NCBP2L
ZNF599	AC024580.2	PRR5L	AP003696.1
ZNF606	ACO1	RN7SKP76	SNORD14E
GPBAR1	FAR2P3	AL122125.1	XACT
SLC6A3	AC215522.2	AC008764.4	SHD
CSPG4P10	NCCRP1	AL121748.1	EXOSC5
AP001972.3	AC104237.2	PIGL	UGT8
ZNF266	IL18	EEF1A1P14	DQX1
TTYH2	AC004485.1	PWWP3B	HSPA12B
KIAA1755	TGFB2	SRP14	SNORD116-21
ABCB10P1	AL031283.2	UXT	CCDC154
LINC01659	AC020659.1	SEC63	TNFSF12-TNFSF13
NAB1	AC007386.1	PTGR1	AC139887.5
SUOX	SH3BP2	AC090403.1	CD1D
AL049766.3	CR1L	DLEU2	MFGE8
C12orf75	AC027682.4	TMIGD2	NRAP
IVNS1ABP	PSME2	AL358075.4	AL137230.3
AC132217.2	AC096708.1	C8orf34-AS1	AL353586.1
AC079145.1	SSX3	BRK1	PRKX
SEPTIN6	AC005592.1	MMD	AC010378.2
GLOD4	GRM4	MAPKAPK3	AC027682.4
HHATL	IER2	AL133500.1	RBPMS2
TOLLIP-AS1	HLA-F-AS1	RPS28	BBS7
RAB26	NPIP3	FBN2	ZNF883
TOX3	AC099845.1	GNB4	COMTD1
SRL	AP004606.1	LINC01549	AL078604.4
AC104561.1	MTOR	AC097359.2	INTS6
CLCN3P1	NPSR1-AS1	GCOM1	DPRXP6
DLK2	GAK	EEF1DP2	AC009955.1
MN1	UBR5-AS1	GALNS	FBXL18
MCUB	ASNSP3	CTNNBL1	MAP7
RHBDD2	HRK	NFATC3	PODXL
LYRM1	AP000786.1	ELOCP21	AC026620.1
G0S2	SLC22A31	ANPEP	AL157893.1
AL451081.2	NETO1	AL162419.1	PHACTR1
FOXK2	AC126763.1	AC099850.4	RTBDN
BBS4	AL022322.1	TMA7	CLEC4G
HNRNPA1P6	AC006449.1	PITX3	OFD1
ZFAND2B	AC008569.2	MAPK12	TERF1
APPL2	RHOXF1P1	RSL24D1P2	LTK



AC037459.1	CTPS2	RPL34P34	AC010326.3
ATP6V1F	SENCR	AC063938.1	AC068858.1
MAT2B	CSMD1	LRRC42	HBA2
AL591846.2	RASGEF1A	MICAL1	GCNA
AL109925.3	AL512506.3	RPL9	TXLNG
P4HA1	LMTK2	RABL6	SPDYE3
AC068137.1	AC109460.1	TMSB15A	AL032819.2
RNA5SP155	PTPN23	CNKSR3	AC068631.1
AC087633.2	IGSF8	TNFAIP8	MIR5047
WNT7B	ZNF93	HNRNPA1P7	AL121830.1
TAL2	MT1X	HNRNPA1P46	AC093840.1
ADAMTS15	REXO2	AC010761.1	GLOD5
RPL13AP5	VCPIP1	LEMD1-DT	AC253536.2
LINC01731	TUBBP5	PTGES3L	RAB20
TAF7	MCRIP2P1	PALM3	AL157944.1
MRPL40	LINC02527	GPC6	APOA2
SH3TC1	ZXDC	RPL14	GABARAPL1
AC012313.3	ADAM23	ABRAXAS2	ACOT2
CPS1	TLN1	PARP11	HMOX1
RNF145	SNORA9	RPSAP1	CYP4X1
AC026740.3	RFFL	SLC3A2	SEPHS2
RHOC	ZIC3	AL136981.4	AC005831.1
PRC1-AS1	AC068533.4	AC107871.1	AC008870.3
PDRG1	AC122129.2	HOMER2P1	CPNE5
AC010683.1	LINC00992	FAAP20	CR391992.1
FGF5	SEC14L4	AC104306.1	MOCOS
NFIL3	GASK1A	PYGO2	FAM201A
HMG2P46	RNU6-930P	RPL7	HPGD
RPL41P2	TULP2	MIR4647	ANO8
CCDC25	AL591686.2	FGF14-AS2	AL357079.2
PPP1R18	SIPA1L1	RPS4XP14	ZNF114
AC068473.5	TWIST2	LYRM1	FAM186B
FAM171B	AGAP6	CT75	SLC12A9-AS1
NEBL-AS1	AC079331.1	ANTXR2	HDAC5
AL731563.3	RPS10P18	BOLA3P4	AL392183.1
AC093151.5	AC027288.1	GLDCP1	TRIM22
ESD	ITPR3	RPSAP3	PCCA-DT
GPCPD1	IRF3	AD000091.1	AC096751.1
ZFP2	TNRC6B	ZCCHC9	MARVELD3
AC092117.1	HCAR1	LINC01180	AL512358.1
BX119917.1	DSCC1	PLCH1-AS1	CHMP1B
CASC2	YWHABP1	CEP164P1	SNRK-AS1
HSD17B1	STAP2	RPSAP54	SLC27A3

FRMPD1	ANO3	RPL12P38	SNAP47-AS1
PPA1	ETV7	PRELID3BP10	AC004233.1
GDF6	AC068781.1	AL603825.1	PDCD1
ZNF71	INTS1	RPL5P25	CEACAMP6
FAM47E-STBD1	AC084024.2	KHDRBS1	RB1CC1
RILPL2	RNLS	SNAPC2	VSTM1
DMRT1	SFTPD	AL031186.1	AC005759.1
PIGF	AC009019.1	AL591428.1	FZD8
AL118511.1	LINC01535	FIGN	CCDC152
AL133500.1	METTTL27	XPR1	ZFP42
AL391822.1	LSR	TPT1	AC009061.1
NNT	HAND2-AS1	BAZ1B	PCDH8
AC011676.4	SLC33A1	RPL13P2	FOXN3
SOX1	AL035405.1	SSR3	RASIP1
LLPH-DT	AL049830.3	PCDH18	AL139095.5
AC078860.3	AC005906.2	AC078860.3	SERPINA11
TRIM36	S100A1	LRP2BP	RAP1GAP
AL691432.2	LINC01162	HNRNPA1P74	PON1
AC006460.1	VASH2	AC092115.2	TMC8
AC005383.1	AC007066.3	POLR2M	HCG25
AL359258.3	SMG1P6	AC080188.1	AC074117.2
LETMD1	AC104164.2	AL161729.4	PAPLN
EPHX2	AC074051.5	AC092718.4	NLRP3
AC008937.2	RPS3AP34	AC093225.1	MTND5P2
AL359762.1	PRDM5	TRIM29	PPM1K
NUDT8	SNORA13	PEX14	NAV2-AS2
POMGNT1	ASB9P1	AC080038.2	ZBTB44
CNTN4-AS1	AC118549.1	AC008758.5	CD8B
AC018659.4	LINC02269	GPRASP2	MIR555
CST3	Z73495.1	WNT4	DENND1C
TUBB2B	SHROOM1	ZNF22	SNORA81
PFN2	SIX3-AS1	EML3	ACADSB
CKAP4	OR1D3P	AC024610.2	ZNF578
AKR7A2	AC006238.2	RPL22P2	UBE2O
AC069257.4	AC005740.5	RLBP1	AC027682.1
AC024337.2	BUB1B	AC073052.2	AC084864.2
ANKFN1	GPR63	MYL6B	CSNK1G1
AC005520.4	CLDN10	AC009292.2	UBA6-AS1
PTK2	PANX2	SHROOM3	MPHOSPH8
BTN2A2	SORBS1	SNRNP27	HPN-AS1
COL4A2	RAB29	C1orf21	SLC16A11
LINC01894	AC127459.3	PSMA6P4	DDR1
MED9	PAM16	SERGEF	LINC01126

PRICKLE4	AP000844.2	WDR54	PPP1R3B
TLX2	RHOF	AC079447.1	TDRD10
RPS4XP13	AP005432.1	ZBTB10	CCDC172
AC005165.1	C17orf80	RPL5P5	PCDHA6
MYCL	AC004900.1	ARL6IP1	CRTC2
REPIN1	LGR6	NAP1L1	PLPP2
FAM86HP	CLDN14	CAMK2N1	C1orf116
RPL10P1	LINC00926	AC078905.1	PITPNM2
TMEM31	HLA-DMA	GLYCTK-AS1	USP19
AL357055.1	AC112694.1	SMIM7	AL358613.2
LRRC28	SRSF10	AGBL5	AL358332.1
PLAT	MFSD13B	DAB1	AC126177.1
LMLN	GMDS	RPL23A	MIR302CHG
SKA2	SAMD1	GYPC	SRRM3
MVK	TPST2	PRELID2	POLR3GP1
ZNF603P	AC091825.1	FREM2	AC022784.1
PPIL3	AC020658.3	UXS1	ZIC2
C12orf76	ACO2	AC109466.1	XIAPP3
LNPB	ABI3	RPL35A	VN1R48P
NATD1	AC129926.1	EMID1	FAM78A
HIC2	VWFP1	AC008446.1	AC011352.2
AL133299.1	HDAC5	AC004943.2	UBL3
AL162231.2	RPE	AC010768.1	AL591506.1
AC108451.2	DCP2	TCF3	SPDEF
PFN1P2	CFC1	CTDSPL	TENT5B
AC012470.1	AC107959.2	RRM1	MIR367
CLUAP1	C15orf39	AC106882.1	AUH
AC020658.1	Z98885.3	KIAA1841	ALG3
CDH15	AC105233.3	RPL7P23	RDH8
AC010997.3	GUCY2EP	AL391650.1	LINC01358
RAI14	AC034229.1	POC5	TASOR2
FAM86B1	CCDC122	LEPROTL1	DUSP13
AC093423.2	CSNK1G3	KIF15	C1GALT1
EZH2P1	NUTM2B-AS1	RNF145	PLEKHG6
AC117500.3	RNU6-126P	AC097713.1	SORBS1
ATP6V0E2-AS1	AC078889.1	AL159163.1	PRICKLE2-AS3
GPRASP1	AC241520.1	RPL5	POLR3G
FYTDD1	SNORD64	ANAPC16	GCDH
AC110998.1	AC027097.1	AC020978.7	MBOAT1
LPXN	SMPD4P1	TYMSOS	CD53
SYNGR1	JAKMIP1	DFFA	SMAP1
VSIG10L2	ZMIZ2	GAPDHP65	PARP1P1
RPS3AP26	KHDC4	AC068792.1	ZNF142

NWD2	RHOH	AC092818.1	MTMR11
TMEM231	TRAV8-3	AC009108.1	ANO1
CD47	ZNF281	PDCL	AP003396.3
SEC63	AC024940.2	NTAN1	CECR3
SREBF2-AS1	AC008761.2	CCDC34	SNTG2
TULP3	STRN	RPS19P1	PLCL2
AC103952.2	PTCRA	AC117378.1	PIM2
SLC16A3	SMIM10L2A	COL17A1	TMEM30B
HHIP	SLC44A3-AS1	CPB2-AS1	NDUFB11P1
WDR5B	ZNF486	PAUPAR	TMCO4
ZNF584	DEDD2	POFUT2	VPS13D
AL662884.4	RNASE1	AC023055.1	CHCHD2P7
S1PR1	LINC02685	CHI3L1	SLITRK3
ONECUT1	APOC1	AL357153.3	AL157935.2
LINC02097	HTR1A	ANKRD19P	ATXN1-AS1
LMNA	RNF149	CUL3	C16orf89
FBXW8	AP003497.1	AHCYL1	HRG
AC132192.2	AKR1C3	RRM1-AS1	FAM120A
CNBD2	GPLD1	PANK2	AC004466.2
CADM1	PLCB2-AS1	RPS19P3	AC006238.1
MDK	FUBP3	SFRP2	KIAA1614-AS1
PPP1R1A	AC092756.1	MSANTD3	AF131215.6
SLC25A21-AS1	AURKC	EIF4BP8	AP002992.1
DLG3	MIR603	CREM	AL592148.2
C1orf53	BUB3	CDC42	KIAA1257
CDON	AC025750.3	DEUP1	PTPN7
RASD1	LARS1	MORF4	MT-ND4L
AC234917.3	MTND4P32	ADH5	HTR3E-AS1
AL121928.1	LINC02773	RPS11	PGA5
TP53BP1	GOLPH3	RPS26P39	AC104335.3
FAM86FP	AC015983.2	ZNF639	SERPINF2
AL133410.3	RGS14	AL627316.1	AC004846.1
DCUN1D4	SCN1B	EFHD2	AC010336.3
TRMT10A	SHTN1	AC131235.2	GRTP1
A1BG-AS1	BX276092.9	HSF2	FKBP15
SSR4	RPL23AP40	CTXN3	AP1M2
ANAPC13	AL049840.3	IKBIP	AC037441.1
AKAIN1	PLPP5	P3H1	AC007128.1
AC005586.1	AC091544.4	RPS3A	AC105137.2
AC010624.3	AC005787.1	C16orf74	UCKL1-AS1
GKAP1	AC008687.3	MAP4	DOC2B
CDK14	AL645922.1	GLDC	AC090340.1
CDH18	AL359834.1	AC013643.2	AL139011.2

CHD4	FGF16	MAGEE1	OVOL1
AC011388.1	AL158077.2	HOMER3	KCNK12
ITGAE	AC073626.2	MRPS21	OR7E130P
ONECUT2	SLFNL1	CAHM	FAM91A2P
AC087175.1	FAM47C	ASF1B	CKMT1B
AC007639.1	MYO19	RFK	FZD7
AL365357.1	IGLL3P	TRIM53BP	AC022893.1
AP000553.1	MAP4K2	LRRC8C	PLA2G4C
ANXA2P2	AC092850.2	AP003352.1	AL136379.1
H6PD	ANKRD1	AC012456.1	HGF
FSCN1P1	AL133493.2	CCNJL	AC006020.1
TMLHE	ROCK1	GPHN	ANGPTL6
DNAJB2	CHRNE	LIX1	ARID5A
DST-AS1	AC091825.2	GAPDHP69	ZNF208
AC073283.2	CAAP1	FZD4-DT	CMAHP
RALY	SCARA5	FUNDC2P1	AC073585.2
AC092115.2	G2E3	SSR2	AC011479.5
SLC25A3	VN1R81P	ANKRD27	IL17RC
CYP51A1P2	EIF5AP3	TP63	AC003973.2
C1QTNF6	AC015813.1	AC020978.5	HTR3A
ZNF77	PHF7	HOMEZ	BEX4
AC012629.2	UGT3A2	ERF	CAPN8
FAM3D	OR5H2	HS2ST1	PPIAP79
FAM214B	KIF20B	AC244034.1	GRB7
RIOX2	THRB-AS1	ERRFI1	COBL
NTRK3	RN7SL279P	TADA1	TMPRSS2
ZBTB22	AL118505.1	FOXB1	MAL2
GSTM2P1	TRANK1	ADH4	COL13A1
AC092045.1	NSD1	CEP19	AUTS2
AL356585.1	G2E3-AS1	TRAV19	ZNF185
SLFN5	AF064858.2	CFAP36	GRTP1-AS1
TP53INP1	SLC22A7	NONO	ENG
ARF5	SFN	SOX21-AS1	PROKR2
LRRC3	AL022332.2	AC103855.2	PROP1
TIAM1	CST1	HNRNPA1P55	KDM2A
AC116535.2	MYBBP1A	AC096861.2	HCG20
BCL7C	AL359399.1	RPL34	NFS1
UBA6-AS1	PLIN4	BX890604.2	AL031686.1
FANCE	CARD10	DVL2	AC104134.1
MFNG	RANBP2	AC091429.1	SPATA3-AS1
TPT1P4	PLS3	MAB21L4	LINC00466
BCDIN3D	NAV2	YWHAZ	AP001604.1
AL035661.2	RNU6-875P	RPL35AP21	AL121782.1

SLC35E1P1	AC010761.2	NQO2-AS1	AL132655.2
SYT17	ZNF714	MYL4	DHDH
ARFGAP2	SLC51A	TYMS	FMN1
FKBP9P1	NMD3P2	RPL30	BNIPL
IFT46	AC092636.2	AL133477.1	SIGLEC17P
SSBP4	DLGAP1	BZW2	CUZD1
DLEU2	PPP4R3A	PCYOX1	AP000786.1
GDE1	NPIP10P	UBA52P8	PNPLA5
INPP1	AC010522.1	AL391645.1	NF2
AL137798.3	AL139095.5	ZNF710	RASGRP4
TMEM101	PARN	IMMP1L	UNC5D
P4HA2-AS1	SHCBP1	PRRT4	AC084855.1
UBTD2	AP000343.1	Z73417.1	AC007991.3
STX10	AC131953.3	OXSRI	HDAC10
TARS3	AL512358.1	AC017104.2	GOLGA6D
AC002472.3	AL137013.1	NMT2	SNORD116-1
INO80B-WBP1	SCTR	AC073508.2	PLA2G4F
KCNJ12	GPR68	SORCS2	KRT8P51
LINC02798	UGT3A1	AC110285.6	DNAJC5G
AP3S2	LINC01331	CCDC160	GRPR
WDFY3-AS2	SMIM24	C13orf42	USP9X
SMUG1	FBXO28	SMYD3	KIAA0319L
LAMP5	STK33	AC012508.1	MIR302B
UNC119B	GXYLT1	EEF1A1P4	RARRES2
TMCC1-AS1	CEP135	LPIN2	OGDH
SCML1	AC008958.1	RAET1E	MBTD1
UBE3B	AC091152.2	AL353600.2	GLRA4
BLOC1S5	AC106754.1	COQ10A	VENTXP7
ATP5MC2P4	AL161756.2	RPL37	RALGPS1
AL121899.4	KCNN4	NRCAM	TMEM254-AS1
ABHD10	AL160412.1	AC013452.2	H2AC6
ADAM17	AC131009.1	SELENBP1	AL357075.1
ACTG1P11	KIAA0319	AC018630.2	ITGAM
RAD51C	MIR6829	BARHL2	AC074141.1
AC138647.2	LINC00431	ZNF816-ZNF321	AC005839.1
C9orf50	FCER2	DCUN1D4	AC104461.1
AC020658.2	LINC02074	ECE1	NAIP
KIAA1211L	AC116366.3	CNTN6	FXYP7
FOXD2-AS1	AC138207.4	MAP7D1	ITGAL
SLK	GRAMD1A	MED6	HBP1
ZNF512	ERMP1	LDHAP4	AMBP
HMGN1	LRGUK	AC008038.1	RNU6-126P
COX10-AS1	EMD	AC005740.2	UCMA

EFCC1	SH3KBP1	AC091053.1	AC010547.2
AC108448.3	AC117503.4	AC008957.1	AC121338.2
STBD1	PIM1	AC098935.1	PHLPP1
ITGA4	AC061975.8	MERTK	AC119427.2
RBM10	SLC15A4	TMED8	MAGI1
AL669970.3	LAG3	AC020900.1	GPAT3
TRIM68	AC113615.1	HEYL	ALG1L5P
DNAJC4	AL157413.1	RPS3	RASAL3
SMCR2	AC137630.4	KLRA1P	GHRHR
AC124242.1	CNN2	EIF3LP2	AC010625.1
DCTD	CHIC1	LINC00456	CDCP1
SMAD3	GCSAM	CXXC4-AS1	ALOX12P2
DAP	AC105230.1	RPL7P9	AL512430.2
AC108451.1	AC100821.1	AL049543.1	BICDL2
AC117500.5	HLA-DRB1	IDH2	GRAMD1A
LINC01578	AC108134.3	DLGAP2	SLC23A3
ARSL	AC067863.1	SNHG7	GRIPAP1
AC009126.1	AL645465.1	EEF1A1	ACOT12
EIF3L	AL162457.1	MCAM	AC009163.1
TXNIP	AL590609.1	AC106786.1	P2RX1
AC010494.1	VAC14-AS1	MIR670HG	SLC17A9
TRHDE	AC090015.1	SUMO2	TMEM26-AS1
C16orf86	QSOX2	NTF3	SNORD64
FOXD2	AC025031.5	H3P37	CLEC3A
AC092143.3	ACOT6	COX7A2L	CXXC5-AS1
PCDH15	RN7SL280P	SNORD4B	AC003991.2
YAF2	ANKRD11	AL031729.1	AC084123.1
C11orf96	AC087741.1	ARHGAP17	LINC02714
AL354920.1	LINC01137	CAST	TPTE2P1
CTHRC1	AC012618.3	AC079906.1	AC012307.1
CDH11	RNU6-45P	GLUD2	AC124312.3
MDP1	AC026471.6	LINC01603	GAB3
EXOC4	CHRNA3	ADCY3	ITPR1
ASAP1	HMGA1P5	ENOSF1	AL513523.5
PROX1-AS1	AC004832.1	FHOD3	IL6R
NIPAL4	ILRUN	GNG11	HLTF
AL121776.1	APCDD1L	TAF9B	C2orf78
AC026774.1	GJA3	TUBBP6	SLC5A2
XRRA1	FREM2-AS1	EXTL3	TREML2
GFRA2	AC093227.3	AC115223.1	AP000944.7
AC104521.1	AL451069.1	CRKL	AC091820.1
ZFP90	ZNF469	TRIM16	HTR7
NUDT2	INTS11	AC087633.2	AC097515.1

CETN4P	AL157827.2	EEF1A1P5	LCK
SDSL	TTC27	GLYCTK	COASY
AC091685.2	SFR1P1	NLGN1	AC007614.1
SUMO3	PBX1	RAB28	AC112695.1
GIN1	ANKRD33	AC107976.1	KLHL4
BTG3-AS1	AC008014.1	HOMER3-AS1	AC010230.1
H3P16	ZNF876P	AC027228.2	ZFP62
RPL34P18	SLC38A1	DENND2B	CAVIN1
DCST2	AC114748.1	PRR11	PRSS21
SPECC1L	AL357127.2	SCUBE2	F2RL1
CDS2	AC011287.1	AC079298.3	BHMG1
RTF2	AL139353.1	TOR1B	DEPTOR
CCDC174	UPF2	KDELR1	NPAP1
FAM92A1P1	C8orf86	RPL23AP42	SNORD17
CLEC18A	MCRIP2	GPX3	INKA2-AS1
AC006254.1	KIF26A	RPL41	AC108134.1
GRP	CA11	NIPSNAP3A	RASGRP2
CXCR4	AC011498.4	RPL5P30	ZSCAN10
P2RX4	KCNC3	AL138963.4	TDRD1
HTRA2	AC009533.4	ME3	PRDM14
ATG12	CRACR2A	RPL39P40	DRD3
ENTPD6	AC087392.2	ZFAND2A	NPY
AC010997.2	SLC25A5P5	TPRA1	UBP1
AL662884.3	AC087235.2	CBX1	AC119427.1
GLUL	TRERF1	NENF	AC099314.1
PUF60	JUP	ZBTB16	PRR20G
AC084125.1	AC106028.3	RPL23P8	TNFSF11
FSCN3	FAR2	AL451081.2	CDH1
NAXD	ZNF589	AC002069.2	MFAP4
RAB4A	LINC02576	DDHD2	STK11IP
PRELP	TROAP	CHN2-AS1	AP003721.1
SMARCB1	NFXL1	AC007098.1	RFX1
AZIN1-AS1	PASK	FOXE3	PCDH10
GNAS	LINC00664	MAP2K6	SPIB
PMS2	A2ML1-AS1	RPL6	FHDC1
SLC43A2	SH2B3	AL122001.1	MKRN4P
EVL	LINC02700	NELL1	CAPN3
SPATS2	STXBP3	NOP53	AC253536.3
APOM	APOBEC3F	AL645504.1	SLC22A20P
MSL3	TMEM54	ADRA2C	KLK13
AHDC1	AL512598.1	ATP5MC2P4	PCCA
ARL6IP6	AC113139.1	RPL23AP2	SETDB2
STKLD1	AC009022.1	NACA	ACPP



EFNB2	TPCN2	JMJD1C-AS1	BNC2
GRIA3	RBM22P4	RPS3AP6	AC012615.2
MAML1	ZYG11A	BRI3P1	HELZ
R3HCC1	NALT1	SNHG6	MAS1
AFAP1L2	LINC00941	MCMD2C2	UBR4
AL138689.2	AC079684.2	PMFBP1	SLCO4C1
AJ009632.2	AC010883.1	AC079296.1	AL136295.5
RN7SL674P	LDB2	CCNB2P1	AC004918.1
AC015909.3	MIR6739	CAVIN3	LINC01405
HMG1N1P13	LINC01322	C4orf33	DUSP10
DPH5	CSRNP1	EIF3H	CADM2-AS1
FRMD6	AC079775.1	UBXN2B	AP000755.2
AC012306.2	UNC45B	AL357075.4	MYOF
LINC02606	HCG4	FN1	AL162739.1
OR7E101P	RPL23AP23	AC068205.1	LTBR
TSPAN9	GHRHR	WNT1	NAP1L3
RAB3GAP1	FGF7P6	C1orf54	TACR1
AC027287.1	LEPR	TCF12	RASAL2
RPL34P34	B2M	RPL13AP23	TMEM82
AC007098.1	ECSCR	PMEL	PLXNB1
CTSK	ADAM1A	FAM131C	CNMD
AC016042.1	GOLGA8S	RGS9BP	AC211433.1
AC007546.3	VPS4B	CABLES2	BCAS1
PAX7	MIR3942	CLIC1	VAT1L
DENND5A	LINC02767	SMARCE1	DPPA3
FGFRL1	LCP1	RPS11P5	LINC00862
ISL1	AC003043.3	AL589740.1	LINC01091
ZNF391	IGSF10	ERGIC3	TNMD
IKZF4	ZNF720	AL139095.2	ARHGAP1
C5orf30	PLEKHB2	AC011005.1	AC090510.2
MUSTN1	GUCY2D	C1GALT1C1	NFE2L3
NACA3P	POLQ	EIF3L	CHP2
ARHGAP30	EMB	LIM2	CIPC
NEDD4	RNF213	MDK	HSD11B2
LINC01948	ARHGEF10	CPVL	DSTNP1
PCDHGA12	DANT2	SPAG9	AL390294.1
SVIL-AS1	SPATA3-AS1	FGF9	TP53I11
JMJD7	SERINC3	AC125807.1	AC117945.2
UBBP1	AC083798.1	TRAPPC2	ACOXL
FAM107B	AC002543.1	ABCC4	IDO1
ACSF2	AC100826.1	LRRFIP2	LINC02754
C8orf31	AC096751.1	MIR3654	LARS2
BX284668.2	SLC25A19	EIF3E	KRT87P

NR2F2	FAM161A	STK17A	UNC13D
EPB41L1	AC068888.2	AP002990.1	AL138720.1
SOX1-OT	LITAF	LINC00092	SLC38A5
FNTB	AC090198.1	EEF1A1P22	GALNT6
L34079.1	ZNF493	CAPZA1	AC243965.2
SHLD2P3	ACAA2	IGFBP2	SNORD116-13
DTX4	MAFB	HTATSF1	FAM117B
PIGS	PKIB	CRYBB2P1	ACSM4
PPM1F	OXNAD1	CTSZ	KRT7-AS
TTLL1	RABGGTB	CD302	KLK1
AC010478.1	AC019178.2	FAM107B	AC007991.4
AC016065.1	AC100814.1	WIPF1	KIFC2
AL096701.4	LINC01339	EEF1G	IFNLR1
AC144652.1	AP005060.1	DCST1-AS1	CCDC114
PAFAH1B1	VTI1BP4	LINC02109	LINC01880
DIRC3-AS1	AC012317.2	EIF3F	AL356495.1
GAS1	ACER3	AL590286.1	MMP25
TGFB1	ZFP3	AC114811.2	BFSP1
EIF3LP3	CHDH	REEP4	AC053503.3
MGLL	LINC02615	AC008957.3	SCGB3A2
ZNF19	AL512363.1	AC090692.1	SEMA5B
RIOK3	PKD2	NOP53-AS1	AL033539.2
YTHDF3-AS1	LINC02139	HAP1	AP002754.1
HOMER3	TRIM50	RELL1	LAG3
AC027290.2	AC080068.1	TSPAN5	AC116609.1
LRRC53	RPL7P20	PIAS1	AC078993.1
GBE1	CPM	ARL6IP1P2	SUN1
CLK3	UVSSA	AC078909.1	MYH7B
TAB2	VPS9D1-AS1	RPL13	ESRG
DAAM2-AS1	NAP1L2	CORO1C	ORM2
NRP1	AL035450.1	LINC00511	CCL28
GALNT16	ARHGEF6	AC006557.4	FAM160A1-DT
LDAH	MTND6P4	RPL10AP1	GABRQ
C11orf49	U73166.1	AC136618.1	AC007375.3
NOP53	VAC14	MAP2K2	AC063949.2
GTF2IP4	AC100823.1	AC068733.3	NFKBID
AC112236.2	SH2D2A	AC100812.1	CAP2P1
AC113386.1	ETV4	SLC4A4	AC243830.1
SERGEF	KCNC4	RPL5P24	FYCO1
MAPRE2	AC021443.1	HNRNPA1P61	DPPA2
RBMS2	AC091887.1	COL18A1	MAGEB17
ZNF428	HCG11	FANCC	EPHA1
NADK2	TRGV6	GAMT	AC092850.2

TMEM107	PACSLN3	SEPTIN11	AC122688.3
DAPK2	NRG4	MZT2B	AL591845.1
ABHD16A	EMILIN2	GPR39	DHX58
RPL30P7	AC007255.1	NACA2	MAGEB1
ERICH3	BCYRN1	RPL37P6	PRR36
ZNF503	AC019257.9	MFF-DT	APELA
MYL6B	NAV2-AS1	AC080038.4	LDB2
MSNP1	LINC01570	SUMO3	PYROXD2
AL662899.3	AL080250.1	CNN3	ONECUT1
INTS12	ICE1	DIPK1C	LINC01278
GOLM1	FASTKD1	TLK2	SFRP5
EPO	L3MBTL1	NEU4	GATA3
L34079.3	LINC00871	PLIN3	TAF4B
CPA1	OSTCP8	ZNF518B	AC010536.3
AMIGO1	AL390294.1	KDM4D	IKBKE
B3GALT2	LINC02204	EEF1A1P12	AC113554.1
LINC00652	RASGRP4	NUDT10	AL121749.2
SFXN1	LINC02026	TMEM132C	LINC02334
AC093323.1	HEXIM1	C1QL3	TTC7B
AL358334.4	AC146507.3	PRDM6	AC074051.5
PDXP	BTBD11	PPARG	AP003559.1
AC117503.1	ANKRD36BP2	HEBP2	SNCB
SARS1	AC131009.3	AC012100.3	SPINT2
GPAM	DPY30	NSMCE2	CD44-AS1
CNTROB	RN7SL236P	AL355987.2	ERAS
TRIM21	SEMA6D	Z68323.1	AC133473.1
ASIC1	ZNF207	RAB8B	DYNC1H1
FAM104B	XKR6	TFAP2D	PLEKHB2
ZNF740	AC040160.1	RAB11A	KRT7
LOXL4	GRIPAP1	SPATS2	AC100830.1
IPP	AC010615.2	SLC7A8	SCNN1A
ETFA	TAC4	HS1BP3	TRBC2
RAI1	BUB1B-PAK6	COMMD8	BCL2L14
SVIL	AC073910.1	TRMT10A	ZNF860
COL11A2	ALMS1	ARHGAP15	CHST4
DDAH2	HCN2	AL022311.1	CDC37L1
KIRREL3	RPL7P17	WDR76	AP002856.2
AP001347.1	AL049198.1	AC051619.5	TNFRSF12A
ANKMY1	KSR2	TWSG1	AC015909.4
AL365232.1	CCDC169	AC019117.4	MAL2-AS1
PABPC4L	ARGFXP2	NFIL3	CSPG4
BMPR1B	LINC01063	RDH10	PNPLA3
INS-IGF2	AC137561.1	HIGD2B	AC092865.4

WSCD1	UNC5D	AC079834.2	KIAA1210
ERLEC1P1	TIMM9P1	DPH5	ACSM6
AC055811.4	AC068787.3	NSA2	PDP2
PDCL	PF4	AL049834.1	AP4M1
CNTN4	ZBTB7B	CXXC4	AC006058.3
AC132872.5	AC092040.2	C8orf34	TNFRSF8
NACA4P	AC253536.6	WBP4	AL162431.2
NEUROD1	AL023284.4	RAP1GDS1	CRYGEP
GFRA1	AC090772.3	NFKB1	NEUROG3
LINC00379	ATF1	UBTD2	UGP2
EYA2	TBC1D17	EIF3LP1	DOCK4
SREBF2	NXNL2	PROS1	B3GALT5-AS1
AC093249.6	AC093422.2	TOX3	AC084864.1
TUBAP2	RXRA	LYPD1	TOB1
RFXANK	HEPHL1	AL357055.1	POU5F1P4
AC120049.1	RCHY1	ZNF608	FASTK
UBXN1	CHST6	ARMCX1	FHOD1
AC025162.1	AL500527.1	AC005014.4	FAN1
AC073834.1	IVD	RBFOX1	AC093904.2
AC009812.5	ARHGEF16	STK16	AL590133.1
ELP5	AC004801.2	AC027319.1	SLC30A5
APBA2	ASTN2	AP000281.2	NAV2
AL356419.1	PANK1	SDCBP	TRIML2
SCUBE3	AC084855.1	BTC	LZTS3
SHQ1P1	SRRM3	MBIP	VRTN
C22orf39	OR2S1P	BLVRA	AL445933.1
AP001160.2	FMO2	PEG10	TRIM43B
GPHN	MT1E	AHR	AC100861.2
DAAM2	MRM1	RPL10P15	MID1IP1
ZC4H2	FASTKD5	MZT2A	IQANK1
LEF1-AS1	AC004147.2	IL10RB	SERPINB5
ST3GAL3	L2HGDH	AC073332.1	AC005336.2
KIAA1257	ETV1	PCBD1	JMY
FN1	TOX	TAB2-AS1	AC020931.1
SEPTIN7-AS1	LINC02751	RPL6P27	LNCPRESS2
AL136968.2	CGB2	YTHDF3-AS1	USP28
TIFA	AC079140.3	IFT81	CDKL5
AC040169.1	AL138830.2	AP000295.1	ZSCAN31
MPRIPP1	CD177P1	AC138811.2	CNTN1
AL139384.1	AC006557.1	MICU2	C19orf33
AC027682.6	IQSEC2	CCDC25	AP003717.2
MIR4253	LINC02266	NOS2	AC026688.1
TMEM9	TNFSF14	AC092958.1	AC097520.1

AC008972.2	ZNF33A	NPY2R	AC104304.2
LONRF3	MIR6729	FKBP10	ITLN2
PRKRIP1	PRICKLE2	CTSK	DBIL5P2
HMGCR	ACVR2B-AS1	GGNBP2	PCBP3
C11orf74	RPL21P121	MRC2	AL157834.3
DHRS4-AS1	SLC8A2	CD82	MMP16
SLC47A1	TIMP4	RPL10	AL031848.1
RASGEF1C	AC124319.3	SCRG1	MIR4730
RPL34P27	ZBTB12BP	GPC3	GDF3
ADGRL2	CDH22	PTER	AL157834.4
AC007351.1	DDX18P4	ZNF706	PSORS1C1
DPYD	WASHC4	LINC01918	ZNF577
RPL5P34	AP003392.1	BLOC1S5	TRIM72
FAH	MIR4458	AC233296.1	SLC12A8
CRTC3-AS1	TCF7L2	CRABP2	ADCYAP1R1
SULT1A1	AC092042.3	ARPC5	CSF1R
RLF	CAPG	ZNF823	MEGF11
PSEN1	GDA	ZNF621	APBB3
AC241585.2	SGO1-AS1	RPS27	MGRN1
RPL10P16	AL138767.3	AL603882.1	L1TD1
TADA3	ETV6	PPP1R8P1	IL17B
DHRXS	TNFRSF10A-AS	LINC01584	AC004448.2
EPHB2	KRT8P45	ANP32BP1	RASD2
EMP1	NEK8	KYAT3	C4orf51
POGLUT2	IPCEF1	SHF	LINC01194
AP3M2	TMEM181	EPHA7	LRRTM3
RNF165	IL12RB2	SAR1A	YY1
ARRDC3	BTNL9	SBNO1-AS1	LAMA5
MTR	BCOR	CYS1	PTCD2
AC005306.1	TCL1A	AC002996.1	SHISA3
SDHAP1	AC010480.1	SLC17A5	AC073476.4
AC008758.3	PHACTR2	RPS19	AC104791.1
BCORL1	ERG	AC090602.1	AC009097.1
FDFT1	WWC3	RPL13AP7	AL009031.1
JMJD1C-AS1	RASAL3	SLCO2A1	LINC01139
FZD3	HIGD1AP11	DYNC2H1	SPRY3
FSCN1	AC091045.1	RPL13A	MT-ATP8
TBC1D5	AC012321.1	IFT74	AC026620.2
UNC13B	GBP4	OPN1SW	AATBC
AL121601.1	AC002525.1	RPS23	AC013717.1
GALNTL6	BISPR	C15orf61	LYPLAL1
AC013643.2	P3H2	CD247	AC022140.1
TMCC3	AL512283.2	TMSB15B	PYCARD

TOR2A	AC005740.1	ABCA5	ANK3
MAP7D1	PLUT	TMCC3	TDGF1
CRYZL1	SLC25A29	AP000553.2	ASTE1
AL513523.4	STRCP1	PDE1C	RUNDC3A-AS1
AP005210.1	HLA-K	CCKBR	NR1H2
AP000866.1	SLCO4C1	OTX2-AS1	ALOX15
EMX2	AC121338.2	REM1	DPPA4
RPL39	AC083964.1	CCNG2	AL139005.1
PRC1	BCRP3	AC079296.2	LHFPL4
ID3	AC006978.2	ALDH2	TRIM54
CPXM1	LYSMD3	TMEM74	SCIN
ALKBH5	RN7SKP128	AL133299.1	FOXH1
AL359541.2	LINC01836	FRG1	PYCARD-AS1
COL1A2	AC009055.1	PAX6	AC006077.2
LINC01801	NEB	FARP1	AC015921.1
AL157935.3	FPR2	TRIM52-AS1	OR5H8
RNF215	WDR62	CORT	PISD
AC007846.2	LINC02323	AC080079.2	AC009055.2
BRK1	WFIKKN2	ITGA8	CYP4F2
NUCB2	BIN2	ITGB1	GCN1
TCTEX1D2	YY1	SDK2	OLIG1
PAUPAR	RN7SL698P	LINC01351	SPEM1
ALDH3A2	AC120498.3	GAS5-AS1	HLA-DPB2
EIF5A2	CCDC60	MDFI	POU5F1
AC020898.1	AC020891.2	RPL10P16	SERPINB11
AC008608.2	CC2D2B	CCDC15	AC023157.1
ZBTB17	FRZB	PLAGL2	HCN2
MIR4453HG	PARP9	ENO3	TDGF1P3
LRRK2	LINC01800	ITGAE	SERPINB4
C18orf65	CCZ1	DRD5	CARMN
MXD3	RN7SL731P	PARD6G	TPSB2
SLC2A4RG	TESK2	FAM210B	AC027682.7
CERS6-AS1	ANKRD10	JAK2	SYNGAP1
ANKMY2	PDIA5	TDRD7	DDX5
APH1A	ANKRD28	KIAA1586	AL357562.1
AP000997.2	RHEBL1	OSTM1-AS1	TAF1C
TMEM128	AC121336.1	CRTAP	AFP
PKM	AC005224.1	FGF10	COL20A1
SLC41A3	ENTPD1	CLDN1	PAPSS2
AL021707.2	LINC01097	C14orf39	SLC30A3
DOC2GP	AC023194.3	TSC22D1	GRM4
AL121932.2	KIAA1522	LINC02073	SNX18P2
CCDC3	AC025263.2	POU3F2	FLT1

NBPF8	LRIG1	MYLK	MMP14
SPA17	TNFRSF21	CTDSP1	ANKIB1
AC073657.2	ACBD7	TLL1	AC022784.5
TMEM99	HLA-DOA	AL159174.1	NLRP10
RPL32P29	RN7SKP80	ANP32BP3	ADGRG2
TENM3	RPS3AP54	ANP32B	CRYBG1
RPL5P24	LINC01896	LINC02609	SPP1
GOLGA2P10	NR1D1	LGR5	AC005414.1
DNAJC12	PLEKHA8P1	LMO3	OTUD7A
IGF2-AS	AC007009.1	SDCBPP2	IDO2
MIR670HG	AL137230.3	ELOVL2-AS1	NEFH
LRCOL1	AC022075.1	FOXD1	COL5A3
PCDHGB2	PCDHB7	AC010729.1	ATG9A
LRPAP1	FTLP6	PHF6	AL096869.2
AC114730.1	TRPV4	ARMCX4	LINC02570
CEP290	AC106795.3	SKIDA1	PDPN
RPL10P9	AC005005.1	PECR	AC084809.2
AC016629.3	IGKV1D-43	CREG1	KAT2A
AC005041.4	PKD1L2	SMOC1	TBC1D8
SNRNP200	AL031658.1	SDC2	GALNT17
TCP11	ZBED6CL	AL445465.2	H4C8
BTBD2	AC012501.2	AP000936.3	AP000350.3
GPRASP2	SERPINE3	TENT5A	POU5F1P3
AC116351.2	MAFA	SS18L2	AL158198.1
BMP1	ANKLE1	LHX5	CPNE9
MKS1	EEF1A1P27	ADAMTSL3	RBP5
AC011500.3	GBGT1	AC022150.4	GATA3-AS1
SPATA4	BECN1	RPL5P11	FBXO15
AC115284.1	AC010198.2	AP001528.1	IRX2
L34079.2	NCOR2	NEDD4	SRPK3
ZSCAN16-AS1	RNU6-674P	SLC6A4	SERPINB3
CCDC148	MTO1	TIMP1	PDE12
NBPF15	AC005256.1	AL161729.1	AC113189.1
AC069234.3	AC072028.1	AC093151.5	PEAK1
UNC5C	NUP35	HTRA3	ATP6V0A4
CXXC4	GPRIN2	STOX1	HDAC2-AS2
THEM6	AARS1	NRIP3	FP325332.1
CLEC18B	RPGRIP1	FOXD1-AS1	MYO18A
ZNF385C	THEMIS2	EDN1	SYNDIG1L
AP3M1	CFL1P6	RTN4RL1	MADD
KCNJ8	AP003171.1	SBNO1	ABCA1
P3H4	NUTF2P6	HOMER2	LRRC8E
NBPF1	MEIOC	CCL2	NANOGP1

POLDIP3	MIR296	RPL13AP25	PLSCR1
LINC01561	ZNRF2	NIN	ALKAL2
IFFO1	AC147651.2	ADAMTS9-AS1	TRPV6
ZSCAN20	LYRM7	AC090116.1	CDC42BPB
FAM53B	FILIP1	SPATA6	CRACR2B
VPS33B	EZR-AS1	TRMT9B	PRRT3-AS1
DCST1	RORA	AC093012.1	C2orf91
TRHDE-AS1	FAHD2A	AP001148.1	AC016044.1
SCRG1	GAB3	FBXL14	ANKRD20A7P
SUSD6	AC027808.2	IGDCC3	NUDT3
C4orf3	RIMS2	CALML4	APPL1
AC005884.1	KLHL4	AIPL1	WDR7
H3C9P	MAGEA4-AS1	PXYLP1	TIAF1
TCEA3	LTF	ATRNL1	AC092718.7
ZC2HC1C	GATA3-AS1	CAPN6	AC100830.3
ZKSCAN2	AC122713.2	AC097713.3	LINC01484
TTC30A	AC011487.1	ADAMTS9	AC092070.2
POGLUT3	AP000350.3	PRKAR2A	STPG3
CXCL13	AC005274.1	BHMT	PSORS1C2
TSC22D1	HAPLN1	PSAPL1	ADAMTS14
SALRNA1	CHMP1B-AS1	DBX2	XG
LINC01980	S100PBP	LPL	AC104333.4
TNS3	AL450326.1	UBE2R2	CCDC186
RPL34	WWP2	AC027277.1	CYP2C8
TAOK2	MTMR14	AP000802.1	AC006538.4
AC068205.1	AC008764.10	CDH8	AL359198.1
PCDHGA1	AC019257.8	ELOVL2	AL121758.1
TSEN34	Z84488.2	PHTF1	IVD
SNX1	AP001360.1	GLIS3-AS1	ZNF728
AC009275.1	LINC01366	GALP	BCAM
RPIA	USP48	CYP1A1	DCAF8
RUSC1-AS1	AC087623.1	EMP2	BRINP1
GABARAP	AC119749.1	AL049766.1	AC073130.3
PKNOX2	LINC01699	MIR6761	NUTM2D
AL355334.2	MIR1538	DOCK10	ZDHHC22
AC026979.2	TRAPPC3	PKHD1L1	SACS-AS1
ARL3	BNC2-AS1	RPL13AP6	AP001453.4
NEUROG1	SLC39A4	BCAR3-AS1	ASPHD1
AC005324.4	AC105285.1	CNTFR	RAB40AL
SCD5	AC061975.7	ELP4	SLC43A1
AC000032.1	TBC1D15	TAB2	DES
SPICE1	NPM1P52	RGS20	AL512652.1
AZI2	WIPI2	AC003101.2	SLC2A11



SDC3	OR7E136P	NUCB2	GNMT
NOP53-AS1	SPX	PRSS23	DERL3
C5	AC236668.1	FBN1	PRX
LINC02656	SUGT1	SGCE	AC011479.2
AC091045.2	KRT222	MFSD9	CALB2
BTG2	AL357835.1	AC130456.1	XKR6
AL358075.4	LINC-PINT	CRYBA1	ATR
RHOB	IL32	TXNRD3	CKMT1A
MPZ	TEX13D	ZFAS1	MAN2C1
ELMOD2	AL359894.1	ANKMY2	HOOK2
TNNI3K	AL110115.2	TMEM169	TPH2
AL117344.2	C5AR2	PLCH1	AC064850.1
UBE2L6	PFKP	ARHGAP24	LPIN1
AC004540.2	HTR1B	AL049766.3	MTND4P9
AP005431.2	MATN2	TVP23C-CDRT4	AC007731.1
KBTBD11	MPHOSPH8	AC009292.1	KDSR
FMOD	BTD	TINCR	AC012615.6
PRDM12	CHEK2	EPB41L5	SREBF1
AC120057.2	PHOSPHO1	IPO9-AS1	AL139398.1
AL121748.1	HPS5	CDRT4	AC013356.2
POR	DNAH17-AS1	ZEB2-AS1	H4C9
LINC02696	AC012456.2	PRXL2A	AL590006.1
CD99L2	MARCHF4	NAV1	PRAG1
AK8	EP300	FRMD6	TDRP
CD7	AC004678.1	EGF	AC005592.1
MIR4700	AC097104.1	FZD4	AC084375.1
RNF227	BCR	IFNGR2	GPC4
MBTPS2	CYP4F22	CEMIP2	RBM47
BAG3	ADRA2B	COLGALT2	PANK1
RPL5	TPD52	ANKRD6	ZNF804B
THAP12	MAJIN	EXOC6	PCNX2
CTXND1	EXOC3L2	NID1	PPM1H
ADPRHL2	TALDO1	ZNF385D	AKAP17BP
PCBP4	RBM47	AC012363.2	MAT2A
AC097634.1	MIER2	BCAR3	AC109460.4
FBXO42	AC005363.1	BCHE	PAX4
AL513128.2	ARSJ	WASF3	SPTBN1
RPS6KB2	FANCA	AL159978.1	FAM102A
PABPC5	USP51	EFNA2	CALHM3
CPPED1	BANK1	PTCH1	KCNJ6
IMPDH1	RLN3	CLEC19A	KLHDC7A
AC140118.1	AC007938.4	AKIP1	AP006287.2
SEC63P1	TJP1	BCORL1	ATP10B

AC026801.2	CLTCL1	PTPRD-AS1	ZNF844
AC012063.1	CACNA2D1	GLIS3	SEC1P
TMEM132C	SYS1-DBNDD2	CCNI	NR3C1
VEGFD	OCLN	SNX25	OAS3
ATP5F1E	RPL18P10		RCCD1
LINC00683	FLI1		FTSJ1
GTF2F1	AC112206.4		B3GNT3
AC004801.5	AC103740.1		ADCY1
NMNAT1	ZPLD2P		SEMA4D
FDPSP5	AC078883.1		SORL1
CORO1A	IRF4		AC091489.2
AC026329.1	HMG20B		AC006058.2
FAM210CP	AC024267.4		CCZ1B
AC104297.1	AC116348.3		CPLX3
TMEM38B	ANKRD50		AC092850.1
SDCBP2	IFITM2		NOL6
LEF1	STXBP2		C5orf38
CREM	EXD1		ZNF296
WNT7A	PCED1B		LRRC2
AC096861.2	SPACA4		PVRIG2P
PJA1	LINC01901		YLPM1
SOX10	AC145098.1		OMA1
RPL13P2	ADAMTSL5		GIGYF1
NOD1	AC007272.1		NME3
VIT	PAWR		PHF12
TUBGCP4	OTOP2		AL135999.1
AC007563.2	AC034187.1		NEURL2
DNAL4	ART5		CRAT
AC018761.4	PRPF38B		MLXIP
CRIP1P4	AD000864.1		HS3ST5
VPS37B	DPPA2		ABCB6
LIPG	MIR3917		AC091230.2
SH3RF3-AS1	SPATA32		KMT2B
ZCCHC24	AC026471.3		H2AC7
HNRNPUL2-BSC	MMP9		PLA2G4D
SLITRK5	AC100803.4		AP005432.1
RGS10	GAS8-AS1		AL137013.1
AC084757.3	TCEA1P2		AL354714.1
AL138963.4	AC106743.1		PSMB8
TRMT9B	NLRC5		ZNF202
AL138686.2	PTCD3		ATP13A1
Z97056.1	HEXB		AC087623.3
ANP32B	HIPK1		SMCR5

RP9	AC009812.2		FAM83F
AC005041.5	CDK18		PORCN
FGFBP3	RAB39A		PPP1R1B
SMKR1	LINC01090		RASGRF1
ANP32BP1	WDR1		MAN2A1
PPP1R3C	CCDC63		PCAT14
CNRIP1	ZBTB34		SP110
H2AJ	PIF1		AC115522.1
ACTR1B	ZC3H12A		ACOXL-AS1
TMEM187	LRRC37A13P		UPK2
TFEB	RPS26P30		LINC02188
AC093849.2	C1GALT1P2		PHC1
ALG9	AC007389.1		SLC24A2
LIM2	PIP4K2C		TRMT44
BTBD17	PNPLA3		CASP8
KLHL5	SLC17A9		RNF123
GLB1L	LYPD5		CYTH4
PPT2	ATL3		AP001610.2
AC015687.1	AC022098.2		AJAP1
PAX6	LARS2		NANOG
SIL1	ENC1		ZFHX2
ZDHHC9	AC068397.2		ECM1
AC104407.1	VIPR1-AS1		TMEM121B
PRKACA	AC010536.3		SETX
LINC00942	AL360093.1		AC100793.4
ARPC5	NAP1L6P		TRAPPC3
AC093503.2	ATP10B		AFF1
CD99	TM4SF18		AC083967.1
AL358176.3	AL355132.1		KRTAP5-10
MRPL53	NUPR1		AC113189.9
CALM3	COCH		PKLR
SIX1	AC022306.1		AC120498.10
ARRDC4	OR10V3P		CHAC2
SNX18	AC093367.1		TAS2R4
TBX3	MYMX		SPI1
AL078596.1	PVT1		AC013731.1
ZNF823	LY6E-DT		RHBDL3
TCF25	ABCA7		AC084809.1
ZFAS1	HMGB1P19		GABRA5
AL121723.1	AC034244.1		PTPN23
AC007786.1	ARHGAP40		TMEM220
CAPN2	AC083964.2		CTSC
C9orf85	AC079336.5		MIR1914

RUBCNL	IL9RP3		SEMA6A-AS1
WDR83OS	LINC00678		C1orf94
DCST1-AS1	RNU6-853P		RABGAP1L
DHPS	LINC02506		MYRIP
MAML3	AL139023.1		MAP1LC3C
KLHL8	AL357033.3		KCNH4
TMTC4	FAM122C		MTLN
EEF1GP1	CBL		MYO3A
SPECC1L-ADOF	SOHLH2		AC012651.1
PCDHGB3	AC140481.1		GGT1
ZFYVE19	AL161731.1		TPCN2
ZNF516	LINC01691		FAM230B
MDFIC	AC006064.1		LYSMD2
IGFBP5	CCDC169-SOHLH2		GPR50-AS1
COL5A2	LINC02694		LZTS1-AS1
MDFI	GTSF1		TAS2R5
LRRC41	MIR6513		CLN8
AL049766.1	DSE		NEDD4L
GLT8D1	LEMD2		AC010896.1
AC025287.1	CALD1		AL512288.1
SERTAD2	AL132655.1		PBX1
FAM120B	LINC00544		GGTLC4P
AC006449.5	AC022973.3		CXXC5
MKNK1	AC093627.3		AC026471.3
COG4	ADD2		MUC1
AC135352.1	SNORA74D		LINC00599
AC093635.1	AC138028.2		ADM
CERS6	METTL15		SCAMP5
RB1-DT	PVALB		STPG3-AS1
AL157394.3	CEP95		APBB2
VCAM1	MYCBPAP		GPR37L1
JOSD1	GCN1		PITX2
ANXA6	HLA-V		EGFLAM
RPS15AP38	AL161945.1		CSRNP1
P2RX6	GBA2		NIPAL3
RAB5B	ZNF541		C9orf116
RRP8	FAM71F1		ESYT3
AMPH	AC079753.1		MMP25-AS1
ENDOD1	AP006259.1		AC018695.4
HDAC6	AC093677.3		AC087521.1
UBE2J1	AC084375.1		ZNF814
FBXO15	AC105233.4		AC083964.1
DZIP1	ETS2		DUSP2

NT5C3AP1	THSD4		POU5F1B
DPY19L1	AF131215.2		ZNF317
AC022858.1	ATP5PDP4		MMP15
AC034102.5	MAD2L2		PKP2
PIGU	SIN3B		AC009303.4
ARHGEF17	AL049840.4		ISCA1
FAM181A	LAMA5		KCNK15
COTL1	C6orf141		ELMO3
MAEL	PWAR1		TMEM238
RNU4-5P	AC007993.3		AC109782.1
SFT2D3	LINC00626		ZXDC
FOCAD	TRMT2B		ACE
APMAP	ITPK1-AS1		TMEM102
MAN1B1-DT	FLVCR1		SV2B
NKD1	AC026803.3		PLAT
NTN5	CARD14		KDM4C
SCCPDH	PPM1H		SHANK2
LINC02739	LINC02196		ADAMTS16
TRIR	AP003783.1		SLC45A4
AC068831.8	AC017002.4		AL357054.2
PIK3R3	AC011978.2		LINC00698
AC239800.2	RN7SL123P		MYB
STN1	AL121985.1		AC015909.1
INSC	AC114477.1		STAG3L5P-PVRIG2P-PILRB
METRNL	AC092569.1		QSOX2
PCDHGA8	MDH1		AC006581.2
AC079742.1	CDSN		RIMS4
LINC02674	AC092279.3		ITPK1
TP53BP2	CISD3		PDZD2
TPT1	AC027251.1		EPB41L4B
GPR108	PRKCZ		AL031600.3
CDK5RAP2	IFNE		LRP1-AS
AC079776.5	KIZ-AS1		CACNA1C-AS2
PEX2	AC114291.2		AC020907.2
LMF1	AC080037.1		CNNM3
AC107976.1	AC009299.3		AL078605.1
MROH8	LKAAEAR1		SLA
MPST	AC129915.3		AC068946.2
KCNJ4	CRHR2		LAMB3
NOS2	OR2A20P		C1S
FZD9	CECR3		AC093110.1
PCDHGA4	RN7SL395P		BCKDHA
TENT5A	UPK3B		GOLGA6C

TTC7A	CDIPT		TDRG1
RPS24P8	NRADDP		CAMK2N2
MCMDC2	NFE2		DNTT
FZD2	WDSUB1		AC022424.1
TRO	ARHGEF2		RORC
AC087362.1	OTUD4		CCDC69
ABCA5	PRR19		KCNF1
BARHL1	PKMYT1		SMPDL3B
FDPS	AC106827.2		AGPAT2
AGBL1	BANCR		FBF1
AC079610.1	CPNE5		FGFBP3
AC007238.1	H3C8		AL161668.4
CCDC74A	GCDH		MROH1
AL391650.1	AC104131.1		PFKFB2
SPAG16	ARHGAP27		ZNF488
KANK4	AF001548.1		AC012368.1
SAP30-DT	LINC01694		MYO5C
GGH	CHM		XKRX
CTDNEP1	AC009262.1		FAM124A
SLC10A7	TMEM75		ACSM1
CCDC50	UNC5B-AS1		INTS3
TPGS2	LINC02653		LINC02263
NMT2	CHP2		AC112907.3
FAM189A1	IFI16		ARID1B
WNT8B	FOXC2		MUTYH
AL050341.2	PRG4		MYCNOS
AC009812.1	AACSP1		GLB1L3
AC245100.8	TUBB8P7		SAMD11
PNMA8A	PAN3		THADA
AC099654.2	AC037459.4		AGL
ZNF213-AS1	ATCAY		VPS52
AL078612.2	KDM2A		AC008453.1
AL355388.2	AC009159.2		AL592078.2
ODC1	MSX2P1		AC073111.4
RALGDS	RN7SL197P		CCDC92B
AC107075.1	H1-1		EPG5
PTPRA	AL928654.4		ITPR2
HBE1	ANKRD27		RSPH10B2
PCDHGA11	AC008870.5		AL162377.1
AC005324.3	RHOT2		SEPHS1
AC010531.1	HMG1P8		WSCD2
AL109918.1	AC108462.1		SHFL
CNTFR-AS1	CXCL3		PHLDA1

VEGFC	AC010883.3		CNST
AC023024.1	AL355297.2		AC012555.1
H1-0	AL117378.1		TSSK5P
AC008067.1	LINC01208		GSTT2B
LINC01198	MARS1		SDHB
LGR5	AC098850.3		WDPCP
PHF6	NSUN5P1		REXO1
FOXP4	ZNF826P		RAB17
ANXA2	AC006369.1		PARP14
REC8	GNA14		HOOK1
EIF2D	AC093525.8		ANKRD16
ZNF627	PRAL		SCAMP4
WFIKK1	NPTX2		AC000035.1
CNPY4	AC118344.1		AC023034.1
CCDC8	AC254629.1		SEMA6A
OPN3	AC067969.2		TRAF3IP2
ARNT2	AC104794.3		LINGO1
NPR3	ATP6V0A2		AC007906.2
DPYSL5	JAKMIP2-AS1		PPFIA3
CDH10	CLIC4		PMAIP1
TXN2	NFIC		ARFGEF2
HDAC11	AC108676.1		TMEM26
DPM3	SEPHS1		PITPNC1
AL359764.2	ATP6V0D2		JADE2
SRC	CYB5R2		PRKCA
HEYL	RNU1-57P		BICRAL
CHST14	FAAHP1		PYDC1
CIZ1	AC006581.2		IGSF8
SMIM7	ZNF674		C6orf136
DIPK1C	AC126323.1		GATA2
P3H1	AL031281.1		AC007743.1
GAB2	CRACR2B		RIMKLBP1
AC092645.1	AC008761.3		AP001972.3
AC007541.1	AL359636.2		SAMHD1
DRD4	CYBA		AC005840.4
AL513128.3	AC131971.1		UNC13A
TMEM98	ENG		TRIM23
TUBBP6	S1PR3		EHD3
DHRS7	TSEN54		PCDHA13
BX323043.1	SGMS2		LAMC3
PCDHGA5	CEBPB-AS1		H3C10
RYK	RNU6-1178P		AC023830.2
RPL7P9	TRMT61B		AL024508.1

AL603962.1	SPRED3		MX1
CLEC18C	FAM201A		AC005696.4
THBS3	COL17A1		AC009511.2
AL161729.1	SYPL2		COL1A1
ZSCAN12	AC148477.2		MFSD12
ZFP36L1	AL732366.2		FRMPD4
NIPSNAP3A	AC087591.1		PLD5
D2HGDH	RTL4		CCDC17
NFKB1	ALDH1B1		LINC01881
LINC00877	ZNF652		CA12
PCDHGA7	CCNYL1		SLITRK2
OTX1	PLTP		RHOXF1-AS1
LINC01679	AC211469.2		AMACR
USP3	LIPH		AC025271.2
PLPBP	TDGF1P2		DENND2C
FIGNL1	UPRT		SYT2
EIF2B5	RB1CC1		AC073111.3
TOX4	TCN2		ZMIZ2
KAT8	IQANK1		CPT1B
RPL7P47	PDE6B		KCNK1
AL139246.5	TRIM15		CABLES1
DYNC1I2P1	AC130324.3		CIRBP-AS1
AC112211.1	AL139317.4		ZIC3
SLC16A14	GAPDHP66		TMEM266
AC087164.1	SLC16A1		USP46
PROS1	TPMT		CC2D1A
TMEM45A	LNK1-AS2		GDPD2
MSTN	RAP2CP1		INAFM2
XPNPEP1	CEACAM1		WWC1
FLYWCH2	AC008687.4		PATJ
ELOVL5	LINC02473		ARHGEF11
SORCS2	TMEM50A		PDE2A
MOV10L1	HIF1A		LIMK1
CENPBD1P1	ADAM8		KDR
ZNF74	ALKAL1		SAP25
BCHE	USP28		FAM20C
AC010997.4	C12orf56		GIPC2
NOG	UNK		RHOT2
CCNI	AL158032.1		CDS1
IAH1	MMP23B		EIF4HP2
ZFH4	C19orf71		MGAT4B
ZCWPW2	AC008687.1		AC092296.2
AL359198.1	AC127024.2		MT-ATP6



PDCD6IP	TMC6		CGNL1
PCDHGA9	AL451164.2		JARID2
KMO	HYLS1		LNK2
TKTL1	AC090948.3		LINC00930
OS9	SEC24D		FAM169A
ADIPOR2	CD44		AL022341.2
LRRC10B	SV2A		PDGFA
ULBP3	AGFG1		AC138969.3
RPS24P17	AC093110.1		STK11
ATP5MC2	MED14		OSBPL11
PCDHGA2	AC243964.3		RPAP1
AC026748.3	MIR127		AP002893.1
AF127577.4	AL139340.1		HTR3E
TEX30	LINC00852		SH3BP4
VAMP5	CTH		ACAD8
ADAMTS9-AS2	MIR18B		UNC5B
IFT52	OR1P1		HSD3B7
LINC02609	SERAC1		AL133318.1
RNY3P8	AC127459.1		TNK1
ISYNA1	AC018445.4		RAB3C
PUS10	TAPBP		BEST2
TMEM120A	HRH2		AC011611.3
ARPIN-AP3S2	CHRNA4		ECRG4
HOXB1	AC007682.1		NCDN
TMIGD2	AC005586.2		NUDT9
CMTM5	AL646090.2		NDUFV1
TIE1	DIAPH3-AS1		RTN4RL2
AC055860.1	AL109976.1		HTRA1
AC010864.1	MIR6851		POLRMT
C11orf71	ENTPD8		TNFSF13
Z82188.2	AL133380.1		MARK2
RPS4XP2	AC134407.2		TMEM179
RPL5P5	FAT2		AC068587.8
ERI2	LINC01938		DGKZ
AL445209.1	AC015722.2		HLTF-AS1
IL10RB	AKAP1		PGBD5
AC013472.1	CFAP298		STAG3L1
LINC00526	DPEP1		PCOLCE-AS1
SSR2	TOP3BP1		TSEN2
TMEM135	RAC2		SGMS1
DIPK1B	AL392183.1		MIGA2
AL158151.3	BOLL		CYP17A1
AF127577.1	TMTC3		PTPRK

TFAP2A	CBSL		SLC25A25-AS1
REEP2	AL713852.2		AC068587.4
PMP22	TRIM31		CEP170B
ABCB4	AL356417.1		ACSBG1
DCTN2	DAZL		ADGRF3
PPT2-EGFL8	MYCT1		AL353572.4
AL159141.1	SPRYD4		C11orf96
NXN	SYT12		SSTR3
MOB3C	ARHGAP4		C20orf204
RPL7P4	TMEM235		FAM20A
TMEM123	RAB3IP		AC008770.4
TRIM9	AC005524.1		FBXL6
TCTN2	CYCS		SLFNL1
RPL5P3	KLK3		LINC01844
PRKCE	NPIPP1		OLFM2
TNNI2	KRT8P30		ERGIC1
RAB11A	AC025280.3		COQ8A
GOLGA2P7	POLR2KP1		SERPINE3
ZHX1	AC096772.2		DENND4B
FOXK1	ERVV-2		LINC00304
PCDHGB5	CARNS1		CD9
AC093495.1	PERP		MYOZ3
AL109936.1	ELF5		AL356608.3
POU4F1	HOMER1		FOXO1
PLAGL1	NFYA		NPAS2
AC007786.2	AF131215.4		ZNF398
AC009245.1	SYTL1		TSC2
GLTP	SPATA12		BICDL1
AP001781.2	NCR3		AC005674.2
PLCD1	AC012676.5		LRRTM1
NRGN	MRGPRG-AS1		DLGAP1-AS2
LINC01003	AL358613.1		IRF1
HS2ST1	AC011558.1		LMO7
WNT1	C2orf15		RHOV
ZDHHC24	SLTM		RTEL1
HEMK1	DLGAP3		CXCR5
NBPF9	ID1		AC008105.1
MPG	AL008721.2		C1QTNF3-AMACR
AL050403.2	RN7SL93P		DNMT3A
PFDN5	ADSS2		SEPHS1P6
GALP	AC126474.2		SIN3B
SVBP	PCCA-AS1		HTR1B
AC091053.1	WDR20		DRD1

PCDHGA3	AC015849.3		AC100803.2
LLGL1	PTPRT		AF131215.5
SH3RF3	AC022784.1		PNPLA2
VGLL4	C6orf136		EXPH5
PCDHGB4	ZNF267		NADK
VSTM4	AC079210.1		ALDH4A1
CBFB	NR1D2		BCL9L
AMOT	ANGPT4		ZBED1
MIR762HG	AC106895.1		SNX27
LINC02202	RPL36AP36		ENGASE
AC010997.5	METTTL21C		KCTD8
WLS	CEACAM22P		EIF2AK3
TUB	APOBEC3C		STX6
HLA-DPB1	AC104819.1		AC027088.2
PPP2R5C	NRROS		KIFBP
GLUD2	ZXDB		CREB3L4
MPZL1	CLTC		HCN4
PHTF1	IFITM3		COQ6
BEND5	ANXA7		MIR1915HG
CCDC32	CNN1		RAPGEFL1
AL158070.2	LINC00951		RTEL1P1
ZFHX4-AS1	NBAT1		STK10
AC079296.2	AC008870.6		BAHD1
RPL5P1	AC073569.2		AL731571.1
DNAJC18	AC004863.1		MAGI2
HPSE2	AL358232.2		CXCL12
XRCC1	EVC2		PILRB
AC006333.1	LYNX1-SLURP2		AL162431.1
ZDHHC4	PDHA1P1		TPBGL
HMGCLL1	AC108860.3		CLCN7
AC134043.3	SLC44A4		HIVEP2
NEK9	AL731533.2		PPP1R21
CPNE8-AS1	TGFB2-OT1		ZER1
RCN1	CCDC186		APLN
BX255923.2	GFPT1		AL139125.1
EMP3	LINC01844		MAF1
ARMCX6	AL158071.4		GABRB3
NUDCD3	IQGAP2		LAT
EEF1D	FATE1		ABHD4
AL359258.2	SLMAP		AC004808.2
IGFBP2	POU6F2-AS2		PCDHAC1
AC092919.3	SPSB2		PCDH20
COQ8B	KRT8		SHARPIN

ATAD2	CHMP1B2P		AP006621.1
PPDPF	SEMA4B		AC126283.1
AC026271.3	TNRC6A		FAHD2A
LIX1	APOBEC3B-AS1		AL606807.1
AC099518.5	LINC02618		MCRIP2P1
LINC01686	RESF1		AP001107.9
INKA1	RNU6-844P		B3GNTL1
PRRT4	LINC00494		ACVR1B
FPGT-TNNI3K	AL355490.3		PPP1R17
STK16	AC087292.1		ABCC5
PLPP3	AL358613.2		SLC12A9
ATP5MC2P1	PABPC1L		GFM1
DCAF12L2	PLS1		AL592490.1
AL162417.1	AC005786.3		UCKL1
AC115223.1	ZBTB3		AP4B1
SNX12	PPP6R3		AP4S1
IFT81	AL159156.1		TM4SF18
RNF7	LINC00504		PIM1
NUDT16	AL031709.1		DNPEP
RNF169	DENND10		AL670729.3
AC079296.1	PSCA		ATXN7L1
CDH6	Z98752.1		PIPOX
AC093155.3	FLT1P1		STK39
DUSP19	UST-AS1		USP2-AS1
PLEKHA8	ULK1		MYLIP
AC112128.1	Z99127.2		DNAJB6
PEG10	MTCO2P12		TNFRSF1A
TFAP2A-AS1	AC009120.2		BCOR
ZNF710-AS1	MAGEA4		SLC44A3
AIP	AL356094.1		AGK
TFAP2D	KRT18P14		AL451136.1
AL138762.2	HVCN1		MYO1D
ABCC4	KRT8P49		OGDHL
RPS11	AC090936.1		MFSD13A
AL158151.1	AL049839.2		CDC42EP2
FGF14-AS2	IGSF23		MRE11
ZNF277	SLC4A9		TAF4
HSF2	SNORD116-2		PLS3
SNHG6	DVL1		AP002387.2
GNG11	JPX		RELL2
AC002996.1	AL136295.3		RCHY1
AC022001.3	TMEM255B		SRI
CDH2	STPG3-AS1		HERC2

SEPTIN1	AC111006.1		DPAGT1
SNAPIN	KRT18P19		PLA2G12A
BCAR3-AS1	GNG7		RSAD1
AL162231.1	AC012354.10		ZFYVE27
DLL1	LINC00639		DOCK5
AL035078.4	MCCC1		NATD1
SCMH1	AC037487.4		AP4B1-AS1
AC108488.3	AC005785.2		LINC00665
HOMEZ	CRISPLD2		PRCP
CDK2	AC011447.7		TYSND1
AL590286.1	TRIM71		RGS2
HMCN1	AL133325.3		GPRC5C
SYTL2	SWAP70		EFCAB14
ANGPTL2	C1orf147		UBALD1
EID2B	AL355612.1		TES
RFTN2	C21orf59-TCP10L		PC
AL034550.2	SIGLEC6		BEX2
AC005045.2	SUSD4		PCDHA11
PTX3	RCBTB1		WDR90
RPL6P27	AC012354.7		TARS1
EIF3E	HACL1		HCN1
NAV1	SNORD116-23		GTF2E2
DACT1	AC005839.1		STAG3L5P
PTPRD	TEX37		TBC1D17
AC009005.1	ARMT1		SLC35C2
NSMCE2	AC068580.3		PWWP2B
KLHL30	ZNF101		ABCB8
AL592293.1	CDC37L1		SLC29A2
C6orf226	ACTN4P1		SEMA4B
EYA1	MINK1		
IPO9-AS1	LARP4P		
ZNF503-AS2	RN7SL510P		
AC064807.1	SCGB2B3P		
AC008040.1	AC013470.2		
AP000894.4	CYP2B6		
EPB41	ADAT3		
NRIP1	LINC02018		
ITGA8	DBT		
MZT2A	SINHCAFP2		
DISP1	HLA-L		
MYOM3	PRR15L		
KHDRBS2	AC005746.1		
TCAF1	RPL3L		

CLGN	PDCD2L		
TMED4	AMDHD2		
SOCS3	ZNF732		
VPS37D	NBR2		
PCDHGB1	KRT8P47		
CTBP1-AS	THAP9		
ARHGAP6	AC026356.2		
AMOTL1	LINC01409		
TBC1D20	OR2H1		
RPL6	MME-AS1		
FAM171A1	ARGFX		
CHCHD6	THOC1		
CTNNA2	AC011997.1		
GPC6	FAM83G		
SMYD2	AP000437.1		
SEPSECS	AC127070.4		
NFATC3	RSKR		
AL138689.1	KRT18P20		
JAM3	AP000640.1		
SIK1B	AC004797.1		
LINC01500	ALDH6A1		
NAT14	AC022784.5		
ANGPT2	AC145207.8		
RPRD1B	NPSR1		
AZIN2	GSPT2		
PLPP4	PGAM1P8		
CLDN11	ACOXL-AS1		
PRXL2A	LINC02465		
BCO1	AC079804.3		
RIT1	FAM155B		
CROT	AL590428.1		
USP3-AS1	LINC02595		
AC110015.1	AL157414.1		
ZC3H8	AC097065.2		
WDR31	SLC17A5		
PRSS35	AC120114.2		
SV2C	HMGB3P24		
ZNRD1	PRKCI		
MMAB	SLC35A3		
ZNF799	S100A16		
SMOC1	AC092757.2		
CCDC22	LINC00304		
ALDH2	PON1		

AC074091.2	AC011511.5		
XXYLT1	DRAIC		
TRIM16	SNTN		
ADAMTS9	AL049840.5		
LRP2	RN7SL471P		
AC004803.1	THRB-IT1		
NEDD1	ARHGAP44		
AL138885.3	AC009495.3		
CUL7	AC000072.1		
ENPEP	FAT1		
RNF144A	CAPN12		
SPHK1	TNNT2		
ELP4	RN7SL793P		
RHPN1-AS1	AC009061.1		
CCNDBP1	SLC2A13		
NOTUM	UBE2G1		
AL137802.2	CYP26C1		
DPCD	AL021937.6		
AC099522.2	AL353796.2		
AC073508.2	ST6GAL1		
TRIM52-AS1	TMEM184A		
ZNF558	MIRLET7D		
SNN	TDRD5		
AC131888.1	CPNE9		
SPACA9	C1orf87		
PCSK6	AC087245.1		
TAF1A-AS1	RNU1-101P		
PTPN18	ADM5		
LINC00869	SERPINB9		
BIN1	TBX6		
KLHL7-DT	ERICH1		
ERGIC3	AP006621.4		
VIM	AL160271.2		
TFAP2B	AP002008.2		
AL049834.1	MTATP6P2		
ATP2B1-AS1	ZBTB42		
AL133415.1	AC091820.1		
PDE1B	MAN2A1		
NR2F2-AS1	NANOGP1		
FUNDC2P2	DCAF12L1		
IER5L	SNORD116-14		
AC119674.2	SNORD109A		
NUDT11	AC211476.9		

VIM-AS1	LRRFIP1		
ASXL1	SPG7		
HHIP-AS1	RNU7-154P		
H1FX-AS1	PGGHG		
LINC00404	CTAGE9		
TTC23	AL139289.2		
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PIGZ	AC097468.3		
ILDR2	PNMA6F		
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GRK5	NANOGP2		
AC067930.1	DIAPH2		
BNIP1	AC005261.2		
EEF1DP1	RPAP1		
AC016355.1	PHKA2-AS1		
KLHL6	MAF		
CRB2	SLC14A2		
CTBP1	AC084756.1		
SCDP1	AC092650.1		
DOCK10	AP003032.2		
SCUBE2	AC007218.1		
TBC1D30	PLA2G2A		
RAP1GDS1	C15orf54		
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AC012363.2	CNFN		
AC010422.8	ZNF341		
PCDHGC5	KRT18P1		
FOXO3B	AC148477.3		
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