

ALL DOWN-REGULATED GENES

Covid19	Hypertension	Diabetes	Obesity	LungCancer
HMCN1	LINC00939	EHMT2	CSNK2B	AGER
KRT10	HLA-DRA	HCG27	LY6G5B	SLC6A4
TSLP	C4B	RPL36AP37	CA3	BTNL9
KRT4	ALG14	RPP21	RPL9	EMP2
KRT1	LSS	HLA-DPB1	PRRC2A	EPAS1
KRT15	CCK	HSPA1L	SPX	SUSD2
NHSL2	LINC00551	POLR1H	RORB	ALDH2
ANKH	GATD3A	LAIR1	PAGE4	ABCA3
SLC1A3	WNT2	RPL23AP47	CYR61	CLDN18
IGFBP5	ACTC1	HLA-A	GRM7	NOTCH4
CCDC3	CNGA1	LINC01537	HSPA1B	CAV1
CRNN	SPATC1L	NEO1	COL4A3	PGC
COL3A1	DLG2	PTPRM	NR4A1	SLC34A2
TP73	ARHGAP11A	C17orf97	CTGF	NAPSA
KRT6C	C22orf15	LILRB2	NKX3-2	NFKBIA
SPON2	TMEM74B	HLA-V	DKK1	AQP1
KRT13	TSPEAR-AS1	NAIP	HLA-DRB4	CSRNP1
EPHA4	LOC107985040	KLF5	SCN1A	FAM107A
SPINK7	ANO2	VAR51	RPP21	ESAM
AQP5	KANSL1	ITPR2	HLA-A	S1PR1
DCLK1	CNOT3	RAPGEF2	C4B_2	PLA2G4F
FZD1	LINC02826	ERAP2	RN7SL1	VIPR1
ADH7	MTND2P28	PPT2	GAL3ST2	CAVIN2
DAPL1	RALGPS1	CD177	LOXHD1	STEAP4
SELENOP	CADM3	WASH8P	HSPA1A	FAM189A2
C14orf132	OPRK1	GPSM3	RIMS4	RRAS
DSG1	OR9A3P	NCR1	SBSPON	PTPRB
SBSN	FAM230J	OR7D2	WIF1	CDH5
HOPX	WDR87BP	KIF16B	EIF3CL	COL4A3
CEMIP	LOC102724238	PRRC2A	PWP2	SPTBN1
CPA4	TDRD15	LY75	C6	SHANK3
MPPED2	LOC102724701	FAM118A	NPNT	ADGRD1
NPNT	TRIM45	ITGAD	HAND2	SFTPC
SEMA5A	TRHDE	CEP350	HPX	EDNRB
SESN3	ARSI	MGAM	VAR52	SYNPO
GPC3	CDHR2	EMSY	C1QTNF3	LIMS2
TINCR	OBSCN-AS1	RP1L1	PSAPL1	EDN1
SYNPO2	MIR9-1HG	FRMD4B	USP32P1	ANKRD1
AJAP1	GOLGA8IP	PFKFB2	GADD45B	DUSP6
SPOCK3	ADIRF-AS1	LILRA3	LY6H	ADGRF5
CXCL14	ATP12A	CR1	CCL4	SFTPA2
VIPR1	HNRNPCL3	MCTP2	OTC	MYRF
LOC730101	LINC01300	MYLK	PRUNE2	CCDC141
CYP4F3	TSEN34	FRY	SYTL5	AOC3
CYP4B1	LILRA6	DICER1	SLC27A2	ICAM1
SUSD4	HSD3B2	DOCK4	TEX15	TIMP3
SYT8	GPANK1	APOM	SLC27A6	ACVRL1
ZNF608	CNTN5	HOMER1	AHSP	SFTPA1

METTL7A	FBXL13	ZDHH13	KCNJ16	TGFBR2
CACNA1D	LINC00847	TRIP11	AGBL4	FZD4
H19	GABBR2	SIPA1L2	OSR2	RBMS2
GRIK3	NPIPA8	AFAP1	LINC00890	CX3CL1
GATA3	H4-16	NIBAN1	FHOD3	NEDD9
ANXA10	BMS1P10	GRIN3B	IGDCC4	LRRC32
ABCF1	PIWIL3	OSCAR	SMN1	TMPRSS2
PTPRQ	FMO1	SERPINE2	TNXB	CYP4B1
SPTSSB	PGK1P2	LINC02528	PPFIA2	LDLR
RGMA	MAL	GBP6	STRA6	CD93
IL33	ANGPTL7	AP2A2	C21orf33	PALD1
FAM46C	ABCF1	LAMP3	RGS2	LAMP3
MAP7D2	LINC01119	MTND1P23	FBP2	APLN
DEPTOR	PZP	SLK	FOXL2	CTSH
GLI1	HLA-A	HSPA1B	FOSB	DENND3
P2RY1	STX1B	CDK5RAP2	NPIPA1	IL1RL1
UGT1A7	PBX2	CEMIP	OPN5	ADRB1
BMP7	RNA5-8SN2	PCDH9	HLA-DQA1	SLC39A8
KCNJ5	FHL1	GBP5	RIPOR1	TACC1
PALM	LINC00323	MYO10	RARRES1	SDC4
POU2AF1	SPATA1	SORBS2	RYS2	RHOB
NFIA	LINC01447	CHD7	SLITRK4	ROBO4
COMP	SLC2A12	STK19	TTC3-AS1	ARHGAP31
SNX31	LINC02318	INTS4P1	ITIH3	UPK3B
ANGPTL2	DEFA1	ABCA1	QRFR	GPX3
RTL5	SULT1A1	P2RY14	FOXL2NB	DUOX1
CYP4F12	ANO3	MANSC1	FAM46B	INMT
COL21A1	BVES-AS1	PADI2	SMOC1	ANKS1A
PRKCB	PRR9	ANKRD22	TRIM26	ANXA3
CYP4F22	MICA	RSF1	FIBIN	SFTPD
RBM20	LINC00968	ZBTB38	IGFBP6	CLEC14A
NWD1	CNTN6	RALGAPA2	PRRT2	VWF
PROC	SPX	GBP1P1	TMEM151E	ADRB2
APCDD1	HIPK1-AS1	SEPTIN4	MEG3	POLR3H
FIBIN	TICAM2	CASP5	CBSL	PRELP
ELN	MICB	NINL	CSRP2	SELENBP1
EGFL6	LINC02532	ABHD16A	LINGO2	PER1
DMRT2	COLEC10	CD274	STUM	TNS1
TCF4	RNF213-AS1	CACNA1E	RXFP1	FCN3
MAP2K6	CCT8L2	FAM160B1	C4orf22	CAV2
PLA2G4F	LOC101929054	BBX	TNNT1	B3GNT7
MCF2L	MUC15	LC44A3-AS	KLK5	RGCC
BAALC	LRRTM1	GEMIN5	RGPD1	HBB
LINC01583	CCHCR1	MTM1	PIK3C2G	C10orf10
IGFL1	LOC100288570	BAG6	ASIC2	SYNE1
POU3F1	MUC4	ARHGAP27	LHX9	FSTL3
RERG	HS3ST6	PSTPIP2	CFAP52	ZBTB16
FOXP2	H4C5	HK2	LPA	TBX2
LMO2	SDR42E1	UTS2B	C4B	SGMS2
SOSTDC1	ACOXL	LINC00862	HSPA1L	RNASE1

CROCC2	MYH13	S100B	RFLNA	GRK5
LUZP2	DSCR10	FRS2	AHRR	ALS2CL
FAM131B	ZNF555	ALOX12P2	ADAMTS19	ATOX1A
OPCML	EFCAB5	CPEB4	AMN	MYADM
POSTN	PTPRQ	APBB1IP	FAM166B	SERPINB6
CLDN8	NCKAP5-AS2	SLC22A14	HSD17B2	C1orf198
ITGB7	LOC101926964	IGDCC4	CTH	CSF3R
PTGS1	RAB3C	GAS1	ZDHHC11	TMEM2
NOS2	PPP1R18	GLI3	HLA-DRB1	ADGRE5
BCL11B	AQP11	CDCP1	VTN	C2
KCNJ16	TRPA1	PDCD1LG2	ATP13A5	FENDRR
CLIC5	CYP3A43	IRAK2	MT1E	GALNT18
CXCL13	GPR19	ASPH	LRRTM1	PPARG
TFF3	GUCY2GP	ERLIN1	OVOS2	SLIT3
LOC10013071	TRIM50	EIF4G3	PTHLH	LRRK2
EYS	SCN11A	SOC3	PLAG1	CLDN5
FYB2	ADAMTSL1	LINC00189	PAX9	RHOBTB2
GSTA1	LINC00857	VNN1	MIR221	C1orf116
EML6	MRPL45	TLR5	CYP2D6	DLC1
GLI2	PWP2	DNAJC13	S1PR3	LHFPL3-AS2
TNNT3	KCNIP1	XRRA1	CCDC144A	SMAD6
IL16	CTNNA2	PRF1	MMP24	HYAL2
TRPC6	LOC101928731	MIR646HG	LLPH-AS1	ITGA5
EVPL	UTS2B	IDO1	ATF3	SCEL
TMPRSS11E	NDST2	B3GALNT1	PCDHGC3	ALDH3B1
LOC65478C	CSH2	REL	TSC22D3	SEMA5A
RAET1E	LOC101927560	KIF1B	DPCR1	PDLIM1
MBNL3	A2M-AS1	KDM5A	BTG2	LGI3
FOXN1	PLPPR1	WDFY3	TFPI2	AHNAK
AGBL2	NPIPA3	SLC12A6	KIF5A	CD36
CD36	ERICH5	ABHD2	DUSP5	ENG
PCMTD2	PRDM16-DT	STK3	SPEF2	SFTA2
DIO2	FGF20	CLEC18B	ST6GAL2	YAP1
IL6R	VAR1	PRKAR1A	RBP1	GPRC5A
LMNB1	GLI1	IQGAP1	MIR214	ITPKC
VWF	CLDN16	SLC29A4	CD69	CXCL8
FAM20A	CCDC171	SPTY2D1	PRLR	LOC284454
AADAC	ARHGAP31-AS1	MAPK14	MIR199A2	HLA-DRA
DLK2	TNXB	SERPINC1	LINC01554	C16orf89
GRM4	MALL	LAMC1	HOXD11	IFNGR1
SRD5A2	COX4I1P2	CES1	RGPD2	LIMD1
HEY2	TMPRSS11GP	NCAM1	DXO	JDP2
ASPG	SLC16A11	TSHZ3	PCDH10	KDR
DNAH9	SULT1A2	MED12	TRPC4	GANC
LOC1019273	TSHR	KAT6A	LOC64236E	MRC1
CILP	FTCD	WARS1	IRGAP2-AS1	SLC11A1
COL5A3	LINC02610	SNTG2	CLEC4M	PPP1R15A
FETUB		OPLAH	WNT2	KIAA1462
CH25H		PFKFB3	FMO1	CACNA2D2
LGALS9C		MYLK3	SLC16A9	CRY2

EPB41L3	IL18R1	RXRB	ITGA1
DNAH6	TGFA	PGR	GPIHBP1
TMEM200A	TLR8	TMEM196	BAIAP2
PDZRN4	APOL4	RNF5	CAVIN1
ZNRD1ASP	LIN54	ZNF556	STX11
GAS1RR	PI4KAP1	PPT2	PDLIM2
KLHL31	ADM	LOC100505611	HIF3A
FAM216B	TRPV6	C6orf48	WWC3
SEMA6D	DRICH1	FBXL16	PEAR1
RPTN	MCC	C4BPA	TGM2
KRTDAP	VARS2	EXTL1	SLC16A5
GOLGA8R	INCENP	SERPINE1	LGALS3
GSTA2	BMX	TAP1	RASSF2
CYP2C9	CEACAM1	KRT18	FOSB
PPP1R16B	APOL1	IL20	CRISPLD2
IL12RB2	SORL1	CDH17	FBLN5
KIF11	SLC2A3	C9orf47	NPC2
TGM3	FPR2	SULT2B1	CAT
DEPDC7	SPATA13	ABCA12	ENPP2
DNAH10	PKHD1L1	CASKIN1	SH2D3C
CDHR3	MYO9A	ISL1	VSIR
BSND	APOBEC3B	SLN	SEMA3G
DSG1-AS1	OCLN	CACNA1G	ITM2B
TNNI2	DDAH2	PAPPA	RND1
ADH1A	B3GNT5	TF	ACADL
CTAGE4	TUT7	COL11A1	COL4A4
CDCA7	GK	IFNA13	MALL
TGFBR3	FKBP5	KCNT2	LRP10
NGB	AP3B2	LOC285095	CD55
KIT	RBM47	NELL2	ADGRL2
EDN2	SERPING1	FBX816-ZNF333	ADAMTS8
DMRT3	TCERG1L	KRT7-AS	CISH
STEAP3-AS1	PDE3A	SLC19A2	MSLN
ADAMTS5	PBX2	BCAS1	KLF6
E2F2	SORT1	DMRTA1	ITLN2
KRT16P3	KLF13	LINC01028	ALOX15B
ECT2L	BASP1	POM121L9I	ADAMTSL4
KRT3	RPL34-DT	TMEM151A	GIMAP8
AR	ZNF501	GPAT3	HPGD
MSH5	IL1RAP	SCEL	MFAP4
LOC100130417	MINDY4	TIPARP	WWC2
LOC101929295	IGHV1-2	EGR1	CXCL16
PCDHA2	CSNK2B	BDH1	TNS2
PCDH18	LGALS3BP	TCTE1	CNN2
ZNF177	FAM106A	LINC01829	SASH1
ANPEP	LOXL1	SHROOM2	KLF9
HS3ST6	FGF13	MIR924HG	DOCK9
EPHA3	ZHX1-C8orf7	BTNL8	SLCO2A1
NPTX1	RIMKLA	PPP1R11	FOXO3
PBX2	ACSL4	LOC101929295	TNFAIP3

TOP2A	PRR3	ACTA2-AS1	CCND3
FLG2	CSF2RBP1	HBB	SERPINA1
TDRD1	LOC1003792	SLC12A1	TNFRSF1A
HMGCS2	LARP6	TGM1	EGFR
AQP6	C6orf136	MIR17	HOPX
DAXX	CD300LD	NTRK3	ADH1B
GAS1	GNL1	PI4KAP1	PIEZO1
SMN1	CHSY1	SYT17	DUSP1
DUSP9	AFF1	PXT1	KIF1C
APOBEC2	B4GALT5	LOC10192961	TXNIP
LINC02185	SLIT3	GPR78	FOXF1
FKBP5	AIM2	SPDYE18	LMNA
SLURP1	LHFPL2	STMN2	CXCL2
SPAG8	LENG8	SPATA17	PRF1
FAM153A	ZFYVE16	PBX2	ZBTB4
ARL14	UBQLN2	PGBD3	CFLAR
RDH12	TGFBR1	LINC01845	CLIC5
SLC47A2	ITPRID2	IL19	GJA1
DNAJC22	PIK3AP1	TSPYL2	HEYL
MKI67	KIAA1958	PRSS37	CD81
CYP4Z2P	LINC01093	SLC6A4	PCDH12
SDR9C7	BRIP1	ZDHHC11B	IL32
SNHG19	LPCAT2	GJA1	THBD
PTPRT	WTIP	ERICH6B	MMP19
FRMPD3	LINC02384	LOC10798671	RNF144B
ZNF233	LOC10192831	HLF	ZYX
SMIM10L1	LCT-AS1	MAATS1	LPL
MERTK	ANKRD44	HIGD1C	SFTPB
DTL	EP300	SCNN1D	CLIC3
KCNH2	TJP1	PCDHA5	HEG1
FAM13C	ACSL1	GSN	SERPINB1
PLXDC1	NCOA2	LINC00954	LMCD1
ELFN1	DOK6	BACH2	ERG
WDR76	LINGO2	FADS1	IL4R
FGFR1	SPINK8	FBXO40	FOLR1
SLC10A5	PRICKLE2	TRIM55	CSPG4
DNAAF1	TRIM17	DNER	SPRY4
CFAP43	CTAGE4	NKAIN4	TAL1
ASXL3	AMOT	MTCYBP35	FGD5
KCNQ5	LOC10099641	GPX2	SOCS3
IGFL2	IDI1	LOC730338	TEK
ELAVL2	SOS2	ACSBG2	RAB11FIP1
KNDC1	ETS2	LOC730101	TANC1
MYO3B	LIMK2	FAXC	NTN4
ANKFN1	SOD2	FZD3	FHL1
CYP4F29P	EMX2OS	LINC00636	NDNF
BGN	CCDC144A	LOC10272441	STARD13
CATSPERD	HLA-DQB1	T	CLEC3B
C5	TLR1	NETO1	SOX7
EXO1	APOL6	FABP7	EHD4

TNNT2	PPP1R3B	CYP2J2	MUC1
MCM10	TOP1	SCN8A	ITPRIP
CADM2	FOSL2	SULT1E1	MKNK2
HLF	LMNB1	LOC10272441	KLF4
PAQR5	CPD	COL20A1	ALPL
PSAPL1	DYSF	TUNAR	MIR221
SPARCL1	BDP1	LENG8	SH3D19
HTR2B	PLXNC1	ANXA8	EHD2
ERICH3	ERI1	APLP1	RIPOR3
KANSL1	USP32P1	MUC20	SHROOM4
RAD17	UGCG	NAT2	KIAA1671
SEMA3G	EEA1	KIFC1	HYAL1
SHANK3	MCEMP1	KRT8	PLEKHO2
RSPH10B2	KIAA1217	ERRFI1	ARHGAP6
SGCD	FCGR1A	LOC285556	DAPK2
MFAP4	DLG5	APOC4	AASS
FAT3	SLC8A1	LINC01671	A2M
CCNE2	SCARF1	DDX39B	C15orf52
CARNS1	KCNJ2	FAS	CSRP1
THEG	TRANK1	GCM2	LGALS1
EPGN	TNC	TRNP1	AHCYL2
LINC01940	FYB1	CCDC190	FERMT2
NPIPA3	ECE1	ZNF286A	ARHGEF6
INHBB	MAK	TMPRSS3	VPS37B
SPDYE2	PARP11	PLCXD2	EDEM1
KLLN	FHOD3	IGSF9B	SERPING1
TGM7	OSMR	RPS26	PDXK
BPIFB2	HIF1A	ANKRD7	VSIG4
UGT2B17	POC1B-GALN	ANKK1	HPCAL1
NCAPG	IGHV3-33	CSDC2	LAMB2
SAXO2	IPO11	ADAMTS1	BMP1
MAP6	HAUS4	AMER2	CXorf36
ADAD2	ABHD12B	FLG-AS1	ARRB1
FOXO2	RMI2	CBLN4	TRIB1
ANKRD66	DKK2	POF1B	FLT4
GNL1	CLEC18C	CCDC83	ITGB6
SCN9A	KRT8P46	LOC10192731	PTGDS
FAM66E	CHD1	NTS	ANKRD29
POLQ	LINC00491	MGAT4EP	ABCA8
PIK3C2G	ANKRD33B	LILRB4	THEMIS2
LINC01132	CSF2RB	LOC554223	CSF1
AQP2	PER3	DNM1P46	ZFP36
NUDT10	CCDC171	NCAM2	ZNF1
CRISP3	CLMP	CNA2D3-A	ADAMTS1
ITM2A	FFAR3	DMC1	S100A10
MROH9	AQP9	B4GALNT3	LIMCH1
10-Mar	DACH1	PAEP	FADS3
CCNYL2	KIR2DL3	GPR22	FLI1
CD38	EGFR	LOC10192781	FGFR4
1-Mar	PTGR1	EML5	GUCY1A2

ITGA10	NBPF3	ST8SIA6	AKAP13
C2orf71	NAMPTP1	SLC44A5	RPS6KA2
MIR27B	CYP2D7	WNT2B	AFAP1L1
SPOCK2	EFCAB2	YIPF7	WWTR1
IL2RB	LOC388242	RIMS2	TACC2
ZNF853	FCGR1B	DDR1	ROS1
FLRT1	ATP6V1G2	LRRD1	CYB5R2
CFAP74	MOCOS	LINC01237	ATP13A4
ENTPD8	GPR84	NAA11	PLXDC2
ARHGEF26	MCM4	CPNE4	WFS1
KLRG2	MYOM2	NPHS1	MBNL1
SLC5A9	DAXX	EHMT2	C3
LOC200772	GBP1	MIR135A1	SEMA4A
GPR63	MMP2	FBXO39	SDR16C5
CCDC136	TRIM26	LOC10050581	KLF2
F5	FER	PCDHB11	FILIP1
TMEM211	F2RL1	SGIP1	IL7R
RNF222	LMTK2	TMLHE-AS1	SVEP1
ADM5	RNASEL	PCDH20	AXL
RGS22	IGHV4-30-2	HS3ST1	HMCN1
SLC25A34	GPR141	NRNPA1P3	IL18R1
FKBP6	FCGR1CP	EPGN	CD9
UGT2A1	UBA6	WDR49	PGGHG
C6orf118	FNDC3B	MMP23B	CASS4
TUB	XRN1	CST6	SERPINE1
KCNAB3	RALB	FLJ12825	PAPSS2
LEF1	HS3ST1	CFAP43	DHCR24
VASH2	SOX30	DOCK3	HLA-E
VKRD20A11P	HPGDS	LOC10537761	SNX33
CENPA	LOC10192681	DTHD1	COL4A2
LGI3	IDO2	RNF175	ST6GALNAC6
RGS4	C4BPB	ADH1A	SCGB1A1
ARMC12	RN7SKP16	MIR29A	ANXA2
TRIM26	KL	NR4A3	DUOXA1
LOC100505664	SUSD2	NR4A2	KLF15
HOXA2	DIXDC1	PPP2R3B	TOB2
IL5RA	HLA-DOA	TMEM198	SAMD4A
SAMD3	PLS1	IZUMO4	LINC-PINT
LHX6	LENG9	PRTG	RGL1
DLGAP5	AOC1	STOX1	ELMSAN1
LYPD1	LRRC37A3	ZNRD1	TIE1
LINC00648	FLT3	NR1I2	TNXB
DACT2	FCAR	PCDH15	LDB2
BEND5	MATR3	DMKN	ARID5A
CCDC152	CACNA2D2	HBA1	RAMP3
RTN4RL1	PPP1R3D	GRHL2	AKAP2
ARHGAP15	PAPSS1	MC2R	PHACTR2
LPAL2	VCPIP1	CELA2A	ANXA11
LENG1	EPG5	LINC00892	GIMAP5
CYP2W1	CD59	DPYD-AS1	LTBP2

FAM111B	ANXA3	NELL1	CHP1
EGFL8	GAS7	CYP21A2	STOM
WNT3A	ZNFX1	ZFP36	IFI27
MYOT	SAMD9L	EFHC2	CD34
MANEA-AS1	IL4R	DNAJC5G	TNKS1BP1
C21orf140	TET2	LIF	PMP22
MUC21	ALOX5	EGR3	ACSL1
ADGRA1	BCL6	UBD	CD74
OXGR1	CYP1B1	COL28A1	NDST1
IGSF11	RASSF9	ANGPTL6	EGR1
LINC01299	ARVCF	HOXB13	RIN3
499484-C9ORF174	WASHC4	FAM57B	CA4
CYP2C8	PARP14	VWA3A	SGK1
OSTCP1	C3orf20	TRAT1	FRMD4B
HIST2H2AAA4	SSPN	ORC6	AREG
PDGFD	ATP11B	ABCG8	PDGFB
FOXI1	NDST3	ADGRA1	MOB3C
ALS2CR12	NCOA7	LINC01669	TLR3
MESP1	KCNJ15	CTAGE1	CFLAR-AS1
VWA3B	SDC3	ULK4P3	GKN2
CELP	SH3GLB1	HCG17	GSAP
ATP8B4	LY75-CD302	GAD1	RILP
ECM2	SLC51A	LINC00319	MMP28
FAM95C	EXOC6	HYMAI	TNFRSF10D
CKAP2L	FAT4	ATCAY	PODXL
FGF14-AS2	GSTM1	MYOCD	EFEMP1
LINC01481	SHOX2	LINC002943	PRX
WDFY3-AS2	KLHL2	CFAP46	LAMA3
TLX1NB	LAP3	OR2A42	IGFBP4
LOC440910	RN7SL535F	KLK6	PRICKLE2
SLC24A3	CHL1	KLHDC8A	RFLNB
ADGRF5	LMNTD2-AS1	LINC02349	ARHGAP26
LINC01206	PRICKLE1	NIM1K	TINAGL1
ATE1-AS1	CNOT3	KRT19	SLC04A1-AS1
LINC0101927755	ACSL3	TDRD12	CPB2
NDC80	LRRK2	DLGAP2	F3
LRGUK	VSIG10	CDH8	MYH9
CHGB	SLC26A8	TRIM29	PLEKHH2
NEXMIF	ADGRG3	SGK1	IL6R
VKNK1-AS1	MLKL	LINC01342	FKBP5
PNPLA1	H2BC19P	SCRG1	MAMDC2
CCR7	ZNF391	COLGALT2	ADCY4
ZNF311	LINC02177	MMP25	KIAA0040
LINC01473	PCDHA9	SLC8A2	CXCL17
CHN1	PDGFRA	SLC16A8	LATS2
GTF2H2C_2	ZSWIM8-AS1	NDRG4	IFITM2
PDK4	ZBTB20	CHRFAM7A	SSH1
KCNA2	ZEB1-AS1	MUC1	MIR4794
PIANP	GRB10	KIF26B	TMEM173
CEP55	MILR1	FOXI2	DMBT1

JC102724701	FLVCR2	HOXB-AS3	CCDC68
SCARNA10	NBN	MIR548F2	PDGFRB
CRHR2	DRD4	HRG	PDGFRA
JC101929574	GLIS3	GPR1-AS	KANK3
PGLYRP2	C19orf84	CPNE7	MAOA
SAMD5	NRP2	LINC02145	GIMAP6
NLGN4X	ZNF630	GPR1	SELPLG
MIR149	FSD1	DIAPH3	ABLIM3
HSD17B13	TM4SF19	OSR1	PLK3
NAP1L3	SYCP2	MYH11	FGR
VCVR2B-AS1	ARHGEF10	FBXW12	OVCH2
DEPDC1	FEZ1	GLIS3-AS1	GNAI2
CLEC18A	ENTPD7	FAM198A	CD82
RIMBP2	ESRG	GNAT3	CYSTM1
HEPACAM2	SEPTIN14	EQTN	AHR
CLDN22	CLEC18A	YPEL4	PHLDB2
LDHC	FEM1C	GDPD4	SYNGR2
DNASE1L3	GYG1	RGS4	F2RL3
PPP1R42	EIF2AK2	RPA4	GADD45B
ADGRL3	CD55	JC1019286	CST3
ZNF208	IGHV1-69D	HPR	CYBRD1
LONRF2	CELSR3	KCNU1	MGLL
TNKS2-AS1	KIAA1671	AGT	TMEM100
GSTM1	GRIN3A	FAM110C	KLF10
LINC01271	SYT5	GRIP2	HSPB8
JC105376609	AMACR	TTC9	RXRA
CFHR3	PTGDS	RDH8	ABLIM1
RADIL	HLA-DQA1	JC1053739	PHLDB1
MIR200B	ALPL	KIAA1683	MYL9
SSC5D	HPX	CSRNP1	PCDH1
AQP1	ALMS1P1	CFZP434A0	PXN
OLFML1	ASPM	B3GNT4	EXT1
IM6-TRIM34	PLEKHG1	OTUB2	FLRT3
TRPM6	PLSCR1	CBLC	CD59
PLA2G4D	NABP1	LENEP	ZNF385B
JC100652999	PPP5D1	HBA2	SORBS1
JC101929741	MS4A6E	LINC01446	TBC1D2
KIFC1	TEAD1	LINC01833	TGFBR3
PRRT1	LIMCH1	CYP4F35P	RFX2
ZNF367	S100P	ULK4P1	TMBIM1
VSIG4	BAZ1A	SNORA74B	FOS
C1orf87	NXF3	ACTN2	ADARB1
AGER	LINC00939	LAMB4	WIF1
MLC1	TENM1	MYO3A	LIMA1
AFF3	LILRA5	LARGE2	IFFO2
IAAF4-CCPG1	JAG1	ZACN	SLCO4A1
CNIP2-AS1	DHRS9	CACNA1E	SIAE
CCDC173	GPR142	FAM131B	AGBL1
2NC03-63E9.3	IGF2BP3	ACTG2	ARAP3
HIST1H1D	OSM	SLITRK3	HNF1B

PRLHR	RAB38	DGKG	FYCO1
FAM35DP	BASP1-AS1	TSGA13	LAMB1
LINC01136	CFAP58	TP53AIP1	CYP4Z2P
LOC100506869	TBC1D30	APOM	HLA-DPA1
EPHA7	ATP9A	SCUBE3	GYPC
CARD18	KANSL1	COL8A1	TMC5
PCSK1	LINC01270	NMRK2	PLSCR4
PPT2-EGFL8	FGD4	RTP3	CDC42EP1
HSPA1L	SPTLC3	IL11	MIR378E
FAM66C	CYP2C8	ANGPTL7	PRSS8
WSCD2	C14orf132	LINC01670	RASSF4
SNHG25	MYCN	PHLDA1	ALOX5AP
AMH	LINC01426	PDLIM3	MAP3K8
GGT2	LINC01305	ADAMTS8	HLA-DMB
DACH2	NR1I2	C10orf105	GPR17
FCGR2A	DLC1	OTOGL	MYO1C
UNC5C	SYTL4	STK33	TNFRSF10B
COL14A1	TYW1B	LRRC37A3	NR4A1
SYCP3	KCNJ2-AS1	SERPINE3	LOC101929595
LINC01951	FZD3	RGL4	BMP2
CNR1	SLC4A10	KCNC1	ADAMTS9-AS2
C2orf73	LILRA4	PCDHGC5	CD151
OSCAR	ZNF8-ERVK3	SCML4	GRN
CLSTN2	SLC35G2	PBX4	LIPA
LINC02381	VLDLR	TSHR	FAM46B
ENDOU	RPL23AP21	USP29	HHIP
RIMKLA	IFT172	ASIP	ITGAV
LENG8	WDFY1	GFPT2	SPRY4-IT1
LOC105373383	CYSTM1	EFCAB8	KCNE3
PDE7B	STX11	LINC00940	MIR135A2
SMAD5-AS1	GCA	LINC00028	MARCO
CNKSR2	RNF213	KHDC1L	PXDC1
TMCO5A		C9orf92	SOCS2
FAM215A		LOC1019271	TMEM204
PRPF31		LDHC	HLA-DPB1
LIX1L-AS1		C10orf67	MIR22HG
ZNF157		B4GALNT4	MLPH
MAPT-AS1		KLK8	IFITM3
FAIM2		GABRB2	UBL3
CEND1			REL
PDE11A			PTPRG
SAP25			SCEL-AS1
ZNF695			SH3BP5
NXF2			TSC22D3
FABP4			GPD1L
LINC01879			SEMA3B
ACRV1			HBA2
HGFAC			C4BPA
MCEMP1			AK1
UGT2B28			LEPR

PCDHB12
SYT13
MEIG1
XCR1
LOC145694
OR7E91P
NEIL3
AMPD1
LINC01121
WDR17
FD-2201118.1
LINC02333
C101927023
LINC00320
RTP1
RAD54B
PLG
SPATA13
SOAT2
CATSPERB
ADAM23
RRH
ANKRD34C
LINC02453
5V1G2-DDX39B
HLA-F-AS1
SOD3
ASB18
PNMA6A
CHIT1
UPK1A
WNT3
FOXD4L4
C105371242
CYP4F8
KLKB1
IRF4
LOC442497
BTG3
NR2E3
FGFBP3
LGSN
LINC01744
KY
UMODL1
DPH6-AS1
NELL2
HSPB3
MIR6753
NR5A2

EFCC1
MYL12A
PSORS1C3
S100A9
CELF2
CALCRL
CRIM1
FGD4
RAPH1
VCL
TBX4
PREX2
C1QB
EGFL7
STAT3
OSMR
SLC22A31
DCN
NCKAP5
USP54
ADAMTSL4-AS1
ITGA3
SPARCL1
FNDC3B
CSF3
PTPN13
CDC42EP2
LRRN4
MYLK
GALNT5
ARHGAP45
PDK4
MYCT1
NPR1
IRAK3
TACSTD2
VAMP8
VSIG2
DOCK4
MACF1
RNF149
SFTA1P
MMRN2
PTPRM
S100A4
PEBP4
ITPR1
PARM1
LRP2
KIAA1217

MTUS2
LILRA2
LOC730100
LINC02249
MBD3L1
COL2A1
C4A
)C101928446
TET1
HRASLS
)C102724776
)PR75-ASB3
KCNMB1
LECT2
LMF1-AS1
ZDHHHC19
LMOD1
KIF26A
GATA3-AS1
METTL21EP
)C105376480
PDE1C
LY6G6C
)C105369520
LMO3
STPG3
GPR20
EML5
PI16
GPR82
PAK5
NCBP2L
CRTC3-AS1
)C101927837
F2RL2
SLAMF8
TMEM176B
LINC00477
LINC01634
ABCD2

ABI3BP
8-Mar
BTG2
C1orf162
UTRN
CPED1
ELP5
STARD13-AS
SIRPA
NFKB1
PARVA
HECW2
FAT4
ITIH5
SNTB2
EPB41L2
SLC46A2
MGP
CPM
DKK3
ELMO1
CITED2
CPEB4
VEGFD
B4GALT1
FBP1
HSPA12B
ANKRD44
PREX1
EOGT
FMO2
SYDE1
PTAFR
EPHX1
TRANK1
GNG11
EMP1
THSD1
ARHGDIB
RARRES2
NID1
CCND2
MOCS1
MAML2
CHST3
SULT1C4
COL6A6
BRI3
CD99
MAP3K6

ITPKB
ERGIC1
LILRB2
ACSL5
PLLP
LAPTM4A
OLFML3
AMOTL2
ZNF106
PRSS23
NR3C2
RAPGEF5
INPP5D
NPNT
DCUN1D3
SHE
TPST2
VIM
HLA-DQA1
ARID5B
ATP11A
BCL6B
TIPARP
PPFIBP1
RARA
RHOC
GATA6
TSPAN13
RIN2
PARP4
PDGFA
CTNND1
ESYT3
C1QA
WBP1L
TJP1
LOC100506314
OR5P2
ATXN7
HLA-DMA
PALMD
CES1
AMT
GLIPR2
BLVRB
CD109
SCARF1
ELOVL1
ARHGEF15
C11orf96

CD68
THBS1
RAPGEF3
ATF7IP2
CCDC69
COL4A1
TMEM43
B2M
TTN
CAPN3
CAST
F2R
RAI2
CTNNB1
UNC13B
CTGF
LOC100128568
SPOCK2
TGFB1
WASHC2A
AATK
CAPN2
TLR2
SERTAD3
TMEM125
PTPN21
MYZAP
CTDSP1
HBA1
VEGFC
SERPINB9
LTA4H
LOC285804
MCAM
ERF
LMO7
MIR98
CEBPB
LBH
MYO1G
VGLL3
TAGLN
KIAA0513
GVINP1
CD63
RASL12
MT1M
CCL3
TSPAN14
DST

FM05
CYBB
RFTN1
SIGLEC1
RAMP2
TBC1D2B
FOSL2
CD52
TNFRSF10A
EFNA1
TRIP10
SLC44A2
RAPGEF1
CEACAM6
PIGR
ACP5
BHLHE40
IKZF1
NR3C1
PIK3IP1
WSB1
NFKB2
IRF1
LCP1
LRCH1
HLA-DOA
LAMC2
EVI2B
PRKCE
ZDHHC9
LGALS2
MYO10
TBX21
MIR29B2
CH25H
DOCK6
HDAC7
SLFN5
MIR6881
MS4A7
CCBE1
DAB2IP
TSPAN3
HSPG2
GFPT2
ACCS
CYTH1
LAMA4
TM4SF1
EFNB1

ACO2
WNT3A
MYO15B
HBEGF
CXCL3
MYO1F
TCF21
MFSD2A
FZD5
MAP4
MUC21
MPZL2
FAXDC2
MPP3
OR5P3
ABI3
PRG4
CRTAP
HIPK1
CYR61
MYO7B
DDR2
BAG3
RNASE4
MIR30B
CA2
CGNL1
MON2
KDM6B
FAM129B
SLPI
SLC19A2
KCNS3
ANXA6
MAFF
ITPRIPL2
ERAP1
TIMP2
NFKBIZ
MYOF
CTSS
H6PD
PRAM1
RBPMS
ZDHHC3
PRKCZ
LILRB5
CTSO
KCNJ8
ZFP36L2

MYD88
CFD
CYB5R3
TPPP3
PAG1
PDLIM5
KCNMB4
TNFSF13
TFPI
QSOX1
EPHA2
CELSR1
ATP6V0E1
SLC40A1
IQGAP1
EFCAB14
SRGN
DRAM1
TKT
PSTPIP1
CH17-360D5.1
MID1IP1
MT1E
POR
LITAF
TLN1
ITGAL
HLA-DQB1
LINC00842
S100A6
CRYAB
DLL4
TNFAIP1
RIPOR2
ATP2B4
RASGRP4
QKI
LAPTM5
COBLL1
CNNM4
TRIM21
TSPAN18
MIR8076
VEPH1
NKD1
SPSB1
NAMPT
C19orf33
TRIM8
MTUS1

TMEM245
MICA
SLC6A14
KRT7
P2RY1
TRPV2
CRTAC1
IL1R1
FOXF2
NES
VAMP3
JUNB
CPAMD8
FN1
PLPP1
PTPRE
C1QC
LPIN3
SLC15A3
MCL1
ZNF331
GPRC5D
TAX1BP3
CASKIN2
SHROOM3
CGN
PDZD2
IL15RA
SMTN
C12orf49
TMOD3
SOD3
UPP1
CCL14
RNF122
LGALS1
SLC27A3
ANTXR1
AOC4P
SNX25
CCL3L1
FABP4
DUSP5
PTGS2
ZC3H12A
FGFR2
MAPKAPK2
S100A11
GSTK1
ZFP36L1

ZFAND5
GFOD1
FAM20A
MIR223
GNLY
PLPP3
LTBP4
ADGRG6
EVA1C
AQP4
TAGAP
AFF1
ANGPTL1
CCDC17
CCL2
MRC2
PDPN
SPARC
ITGAX
UBTD1
PRICKLE4
NEK7
SULT1A1
ASAH1
RHOG
NKD2
ADPRH
NEDD4L
FOXO1
ARHGAP25
CD37
PTPN14
CD44
SLCO2B1
PPP3CC
ARHGAP27
GUCY1A3
FAM89A
RASGRP2
ADPGK
ABCA1
PLEC
COL12A1
LYVE1
PDE4A
TUBB6
MIR4270
FLT1
NLRP3
CD40

PLEKHG1
SMAD7
WASHC2C
ARRDC3
SH3BP5-AS1
CD302
ARHGAP26-AS1
PER2
TNFRSF1B
LOC102724428
GRASP
GORASP1
BCL3
CREB3L1
SLC19A1
MICAL2
MRGPRF
CEACAM4
MVP
BTNL3
STXBP6
PPM1K
LINC01491
SCD
EDNRA
NPR3
CFH
TPP1
INPP5A
C1QTNF5
GRB10
TMEM74B
TGFB1I1
NINJ2
KL
TMEM109
LPP
RALB
BCL6
RAB11FIP5
FCGRT
ARHGAP29
UBA7
PTH1R
FAM160B1
IFFO1
CRYBG1
LOC283299
GLUD1
MPC1L

MIR8089
VAMP5
IGFBP7
C1R
HELZ2
SEC24B
TNFRSF11B
IL6
TMEM63A
INMT-MINDY4
RBPMS-AS1
DUSP3
FURIN
ICAM5
CCL5
NAB2
KCNJ15
AFF3
MARVELD1
MYH10
CLIP4
ALOX5
GABARAPL1
SELENOP
OSCAR
TNFSF12
ADAMTS9-AS1
PML
CBLB
THSD4
NFATC1
ARHGEF26
GAB1
PROSER2
PDE4D
MXD4
IL16
NCOA4
ITGA8
PBX2
TYROBP
OAS2
CTS2
ALDH3A2
ANXA5
FLNA
TOM1
SCN7A
TNNC1
CCL23

ITGB2
MMP2
OSBPL5
SERPINA3
CD53
NDRG2
C7
ADAMTS15
ZDHHC7
SLC31A2
ADCY7
DOLK
PNRC1
TTC28
RNF145
HLA-DRB4
GATA2
TTC21A
EZR
AKNA
TTC7A
MMRN1
SNAP23
USP53
CEBPD
ERRFI1
BCL9L
MIR8059
MIR548G
PLK2
NDEL1
VDR
LOC101929240
DYSF
SLA
GBGT1
DAAM2
CD83
GLIPR1
ECSCR
ZCCHC24
OBSCN
PCDHGC3
GIMAP7
GLIS3
NECTIN2
SDCBP
GRINA
FOSL1
FCHO2

CFAP161
SPRY2
MOB3A
SMIM3
AOAH
SYNPO2
PLS3
SAT1
SWAP70
DPCR1
PTGER4
LRP1
LYN
SLC9A3R2
TCF7L2
DPP4
PDLIM3
ACSF2
HLA-DQB1-AS1
JADE2
DNAH1
LAIR1
RCAN1
MSRB3
MIR4257
MIR23B
KRT19
SPON1
SCARF2
LAMA5-AS1
LOC107984360
GIMAP4
ARAP2
SNED1
MAPKAPK3
TAGLN2
KCNK3
LTBP1
SNTB1
DNASE2
STC1
SH3RF1
SHROOM1
STX12
OLFML2A
KLHL5
CFB
NBPF14
CCM2L
LONRF3

KRTAP6-2
FILIP1L
HAS2
C14orf119
DIAPH2
SPATA13
ICAM2
NCF2
MAFK
ATP11A-AS1
THEMIS
HERPUD1
IQSEC1
LINC01333
FLII
FES
APBB1IP
DOCK2
TMEM110-MUSTN1
CYP27A1
LAMA5
STAT6
CIITA
RASIP1
PMM1
APOL3
MAN1A1
TNS3
CCR1
MT2A
HLA-DRB1
FBXW4
TMEM88
REST
LOC101928988
CAPN8
EHD3
RAB33B
TCP11L2
RASGRF1
TREM1
PRDX6
MYL12B
UBC
AGPAT2
CRACR2B
FCER1G
PELI1
ADAMTS9
KIF13A

LINC01186
FMN1
NPTN
TATDN1
GGTLC1
NEXN
PPP1R3C
YBX3
PRR16
GRAPL
RRN3P2
BET1L
STAB1
FPR1
CMTM3
CYB5A
S100A16
COL18A1-AS1
TMEM55A
ADAMTS12
HIC1
EHD1
JPH2
FMOD
FZD7
ELF1
SLC7A2
COL8A1
NRP2
ZHX2
DPEP2
ILK
HLA-DRB5
IL27RA
CCDC92
LONRF1
UMODL1-AS1
CYP4Z1
SLC22A3
PDZK1IP1
ACTA2
CAB39L
CST7
TRAF1
FTL
EMCN
GPSM3
RAB31
ST3GAL5
ARHGAP18

ISG20
PTPRC
STK10
PROS1
ITGB4
ATP2C2
ADHFE1
SLC16A12-AS1
MXRA7
RARA-AS1
MIR4521
CCL4
NCF4
NPAS2
CAPN13
ID1
PTGDR
KRT7-AS
ANPEP
TPSB2
SHC3
STON1
PRAC1
MYL3
PDCD1
LINC01884
CCL4L2
USP44
COL6A2
MCOLN2
TC2N
P2RY2
HLA-B
DLEC1
MIR6761
CACNB1
ACOXL-AS1
RPS6KA2-IT1
DCBLD1
WDR46
DAB2
TNFSF10
VWA8
MIR1247
ANKRD28
SLC10A3
MEIS1
MBNL2
CSF2RB
PNMT

ITGA10
ATF3
ZDHC11
ELL2
NCF1B
LINC02182
MAP2K3
RHOQ
PKDCC
SH3TC1
MEF2C
GLUL
MID2
KIR3DS1
SNX30
LOC102724488
PPM1F
NHSL2
PNPLA2
IL20RA
LOC642515
IER2
C1S
SYDE2
TPSAB1
LOC102724788
LCP2
BAGE5
CLUH
ROR1
NKG7
QRFP
ABHD5
SELENOM
RNF125
PKNOX2
AQP9
FPR3
GDF10
PECAM1
GNA14
STK17B
HSPB6
OTUD1
DPT
LOC101928161
ARRDC2
TRIM39
PRRT1
PFKFB3

ORAI3
MIR326
TCTEX1D4
CCL18
TBC1D9
CHIAP2
TMC6
MANBA
PRKG1
MIR8073
NXPH3
ATXN1
PCSK9
ASB9
10-Sep
NR2F2-AS1
IER3
PTGS1
SAMD9L
SMAP2
UNC13D
GRAMD2
METRNL
SMAD3
BMPR2
EEPD1
CDK17
AVPI1
TAP1
NEK3
LAMC1
MNDA
GJA5
NOTCH2
SRPX2
LILRB3
CXCL12
RBMS3-AS1
EPS8L2
LYST
CASP1
TPSD1
PIP5K1B
AKAP7
CPA3
P3H2
LINC02398
DHRS3
ADIRF
JUN

LOC399715
LAMA2
MIR1250
LUM
CTSD
GNG12
GPR157
OR9G1
CHST2
TSPAN15
EFEMP2
COL5A3
CFAP157
PPP1R14A
RASGRF2
CRIP1
RAB27A
C8orf4
ANK3
PVR
MIR548H2
SLC43A2
SCNN1B
DSTN
EMILIN2
PRKCD
ADGRL4
FREM2
CREG1
EMB
SLC2A3
SCARA5
LMOD1
MICALCL
SLC26A9
MIR27A
NFATC2
PLBD1
LAMC3
ETS2
SPI1
WNT2
TICAM1
GCOM1
TSPAN7
NBPF10
PPP1R11
PLCB2
RAB43
FAH

SORBS3
ARHGAP44
LOX
ANO1
ABCA6
DET1
RASSF1
TPT1
LPCAT1
PICSAR
LOC102724153
WDFY4
CD38
PLIN3
MIR4742
LOC100130476
SLC16A6
MIR588
MIR3690
HOMER3
ANOS1
SBDS
PLCD1
CCDC85A
TAOK3
NRGN
BGN
EOMES
IL6ST
A4GALT
NOSTRIN
LPCAT2
CDHR4
ASL
ANXA1
MATN3
MIR3662
CTBS
HDC
MPEG1
CELF2-AS1
EFNB2
CAPG
PSMG3-AS1
CEP85L
CCNH
SLAMF6
PAQR5
TNFRSF10C
PRCD

SASH3
PLAT
ITGA2
LOC107986096
RASSF5
RND3
OLFML1
JAML
LHFP
BICC1
APOBEC3A
TNFRSF12A
MAMLD1
GAS7
PLXNA2
TMEM133
ATP1A1
OR13H1
SUCLG2
SLC25A23
MROH5
GNA15
TBX3
SNX18
PON2
PTEN
LRSAM1
LINC01764
HCK
SNORD115-28
IFIT5
TCTN3
GCNT4
NID2
CHST15
FGD2
CSNK2A3
KIF9
PSMB8
LGALS9
MIR4531
PLVAP
CLIC2
PDE8B
RNF128
NT5DC1
SHQ1
CYP21A2
SLC17A5
ATP10A

KCTD12
RRAD
FCMR
C2CD2
S100A8
C10orf128
ADA2
LINC00694
CNTN6
DES
PPP2R5A
OASL
FGFBP2
MYL1
LTK
RIPK2
RUNX3
HCLS1
GPX1
SRPX
DENND1C
IL13RA1
HSPB7
GGT5
ARHGAP30
NOTCH2NL
CDKN1A
PRDM1
CD2
ZNF330
RANBP3L
PLAGL1
COL6A1
ZCWPW2
CCL20
RNASEK
BHLHE41
DTX4
BTNL8
C11orf97
FBXO17
SAMSN1
MOCOS
GOLGA8M
C1QTNF1-AS1
IL1R2
LPAR1
NCKAP1L
OLR1
SLC35D2

HTRA1
LINC00968
S100A14
RNF152
PALM2
MPP7
CSF1R
COL6A3
SOX5-AS1
MCEMP1
SLIT2
LOC400553
EGFR-AS1
TNC
GXYLT2
MIR605
ADGRA2
NRP1
FAS
TCIRG1
ZDHHC11B
KLRC3
CYS1
GZMK
CDH11
PRSS48
PHYHIP
PF4
SCN4B
ST7-OT4
SYTL3
B3GNTL1
COL17A1
NBL1
LINC01718
C15orf59
IHH
FBN1
METTL24
LOC101928185
GABRE
MAFB
TBX5-AS1
MLKL
DOCK4-AS1
MT1A
TBX2-AS1
IL18RAP
S100A12
LINC01314

PCTP
CLEC1A
ABCC1
SLC38A5
CFAP46
ARHGEF3
LINC02175
TUBB1
RARRES3
TSPAN12
LMF1
CORO6
SLC5A9
TSPO
TREH
OSR1
POPDC2
UNC5C
PSMD6-AS2
GEM
SLC1A3
MIR4772
PHOSPHO1
LINC01038
PTGIS
CALD1
BOK
AGTRAP
PSORS1C1
CYP2S1
CD8A
TMEM150A
CYTOR
MIR23A
WDR81
SCTR
FCRL4
TMEM233
SPRED1
C10orf107
TREX1
RAB8B
CARD10
NNMT
FIBIN
CD248
ARHGAP10
RAB32
GAS2L1
SLC4A4

PRNP
SLC7A7
MIR6809
MIR378H
DHX58
FAM46A
LOC100288175
LOC339059
ABCG2
LINC00551
CDC42EP5
MIR4473
TAP2
UNC93B1
WISP2
TMEM139
PAX8-AS1
FHL3
MS4A14
LINC02110
TMEM37
C22orf23
MIR3149
RNF180
GPR4
LOC101927543
ANTXR2
FOLR2
PLEK
COL5A2
LOC101929340
NKX6-2
NCR1
PLA2G1B
HIGD1B
KCNJ2
DAPK1
AQP3
FAM49A
LST1
HEPH
SNORA1
PRKCQ
PLAC9
NEAT1
MIR4796
CITED4
SCGB3A1
TLDC2
ENDOD1

PPBP
PRICKLE2-AS1
IRAK2
ID3
TMEM71
IFI16
PTGR1
BMP3
ADAP2
ETV5
GOS2
LOXL4
LOC101929237
CYTIP
SOSTDC1
CXCR1
PXDN
CLU
NR4A2
NFIL3
PARP3
COPZ2
ZEB2
FXVD5
GATA5
LOC100506142
SH3KBP1
PRR29
PCAT19
RASA3
MIR494
TEX264
MRVI1-AS1
FP248
CMKLR1
FSTL1
OCLN
PANX3
LIPH
NOTCH1
ADAMTS10
RGS2
APOC1
HLA-A
CXCL10
CARD16
TNNT2
AJUBA
MYH11
VASN

GPAT3
TMPRSS4-AS1
TAPBP
GBP1
MIR3713
MSMO1
TRIM48
MYOCD
ANGPTL2
GIMAP1
CIB1
LILRA6
COL4A2-AS1
EPDR1
MT1JP
LINC01060
MMP25
GOLGA8O
CYP4A11
RRBP1
GZMH
PNKD
FAM216B
MCC
FOXQ1
CHRM3-AS2
RPH3AL
GNMT
MUC5AC
EBAG9
CCIN
SLC27A2
SULT6B1
C22orf34
KLRC4
PLCD3
TMEM163
LILRB1
SERPINA10
PPM1M
FASN
ANKHD1-EIF4EBP3
PLTP
CD300A
MIR3667
SELP
ARHGAP9
CDK6
LOC101930094
MTMR10

SMPDL3B
SYCN
LINC00710
BRD9P2
IFI30
PODN
ASB12
GSTM5
CTSE
C4B
CYP2B7P
MIR548J
ABCC4
RHOJ
TBC1D4
FAM162B
EPS8L1
RASL11A
PZP
C11orf21
CD14
CHRD1
MIR199A1
MMP23A
LINC01500
ABCA10
F11
OR8B2
PRRG1
MIR4514
STAT4
PSORS1C2
CFI
C7orf49
MAGI2-AS3
GPC4
ADAMTS7
VWA7
EGOT
EMP3
ITGBL1
SLC5A8
MOGAT1
MERTK
SH3RF3
S1PR4
LOC100505635
VN1R3
SNHG26
SNORD116-21

MIR4505
DALRD3
ZMYND15
FAM9C
KLF13
ZNF185
PSKH2
EIF4E3
TRIM34
RGS9BP
PLEKHF2
KDEL3
MON1A
CLCF1
LRRC3B
HLA-C
FLVCR2
LENG9
IRF8
PDGFRL
STK19
SERINC4
GOLGA8IP
LOC100192426
ZMYND10
COX4I2
COL13A1
SIK1
CRYZ
HSPB2
PAGE5
OR2A7
SSTR1
GPR3
EDIL3
IFITM10
EGR2
MIR8077
GZMB
IGFBP6
IL33
LOC101929439
WFDC10B
TLR4
OR51I1
TBX5
CD209
ARC
CUBN
FKBP6

TDRD10
HSD17B6
BMP6
MFSD7
VNN2
KIR2DL4
MIR548H3
HS3ST2
NPL
TNFSF8
FCGR3A
LOC105371046
AKR1C8P
SPNS2
TEAD4
FUOM
PLA1A
LAMP5
GRAP2
CT55
SOX17
MXRA8
HSPC324
MIR645
CYGB
GSN
TNNI3K
H2AFJ
PLA2R1
KIR2DL5B
HRCT1
BCL2A1
SNORD56
RAB20
PRR5L
PCDH17
MIR593
HLA-DRB3
STPG2-AS1
MT1X
THRB
CPEB2
RTP5
LINC01546
MIR7853
MYH15
KRTAP11-1
VWA3A
ACKR1
ADGRG3

DTHD1
BANK1
MSMB
LILRA3
KAT2B
DOK2
A2M-AS1
USP17L8
MEDAG
LINC01678
BNIP1
CDKL2
TMEM47
GATA3
MIR548AX
OR8U1
ESR1
LINC01680
LINC01771
MUSK
SMTNL2
LY75-CD302
KHDRBS2
SPON1-AS1
HLA-DQB2
CLEC12A
ARPC4
FABP6
CD84
FAM198B
CRISP3
PATL2
SGCG
PRAG1
GSTO1
GIMAP1-GIMAP5
CPEB1
LINC02407
CD274
DOCK9-AS1
MIR4525
LINC00982
IRX6
SEMA3E
MIR4307
SCML4
INHBA
LOC101927139
AFF2
SALRNA2

MYO16-AS1
GAS2L2
HS3ST3B1
STN1
MIR4639
ODF3B
LINC00607
CHRM3
EDA
OR6C4
CCDC78
MAGI1-AS1
RAB44
KRTAP22-2
DCDC2
OR7G2
CAVIN3
MGAT3
ARHGAP26-IT1
OR7E12P
SIGLEC7
LOC100652999
LUCAT1
LOC105371506
CDC26
CD69
FRGCA
CDSN
ELF3
ADM
MIR5586
KIAA0355
WDR38
TNMD
RASL10A
GSTT2
P2RX1
MIR3613
LINC00184
EMILIN1
C1orf194
CAPN12
2-Mar
CYP1B1
IGFLR1
IFNA5
MINOS1
LOC729970
LOC103312105
LOC100507747

LILRA1
MIR668
CCL21
LTC4S
TMEM150B
ITM2A
PTPRCAP
BIN2
ABHD4
LOC105376468
ZNF423
GPRIN2
IL10RA
FAM163A
APOD
PTH2
LOC107985210
RASGEF1A
PQLC3
SMIM2-AS1
MIR135A1
LOC388692
LINC02264
DMKN
ODF3
MME
OR4M1
SERPINF2
RGS10
MIR590
KCTD11
CRYL1
MIR1296
PIFO
CD3E
CPNE8
TRPC3
MIR4711
ICAM4
CXCL1
AGTR1
LOC101927272
TSPAN2
TMEM200B
AGR2
MIR3133
LINC00675
LINC01683
RGS18
KRTAP5-5

CACNA1H
S100A13
DNAJB9
SOCS1
MMP15
AOX1
PIK3C2G
CD244
GYPA
RDH13
DEFA4
MIR541
MIR26A2
SPZ1
GSTM1
CCDC13-AS1
P2RX2
EVX1-AS
CLDN22
MIR3176
CXorf21
LINC01890
ACTA2-AS1
CYP7B1
MAPT
CNTD1
LOC100506384
FCER1A
RAC2
AVPR1A
LOR
IFIT2
PRDM6
XAGE2
PPP4R4
DEF6
CTSL3P
HK3
C9orf57
FAM138D
SLC12A1
OR6M1
SMIM20
VIM-AS1
SYCP2L
LOC101929072
MIR498
LINC00892
LCE1C
AZU1

MIR33A
COL6A5
LOC102723971
SHISA3
OR2A1
ANXA8
ECEL1P2
DDX43
ALDH1A3
LINC01662
TLR8
CHIT1
UBE2E2
UBXN10
SPATA13-AS1
SSPN
OR2J3
SPATA45
FCN2
ANGPT1
CCND2-AS1
FCGR1A
REM1
OR7E2P
LRRC55
CEBPA
PTPRQ
LOC100506388
SERPINA2
PLAC9P1
SPATA31D4
FAM189A1
FBLN2
MIR548F3
C19orf38
TNF
CYP4X1
UBE2Q2L
GPC5
CCDC83
CCDC80
MORN5
FCGR3B
PPP2R1B
LINC01260
OR10H2
LENG8
MMP7
DPYD-AS2
LOC100506406

RBPM52
DGKG
CASTOR1
LOC100508631
C14orf28
MIR1284
CFAP73