

Table S1. The DEGs and DEMs of GSE41657, GSE71187, and GSE72281.

GSE41657-UP	GSE41657-DOWN	GSE41657-UP	GSE41657-DOWN	GSE72281-UP	GSE72281-DOWN
A2M	SCARNA17	LY6E	PRKACB	hsa-miR-4431	hsa-miR-211-5p
ACKR3	VSIG2	MRGBP	FAM3D	hsa-miR-628-3p	hsa-miR-204-5p
ACSL4	CACNA2D2	ADRM1	AKAP5	hsa-miR-206	hsa-miR-4711-3p
ACTA2	BDH2	FAP	ANKAR	hsa-miR-338-3p	hsa-miR-431-5p
ACTG2	FERMT3	APLN	PPP1R36	hsa-miR-1184	hsa-miR-3191-5p
ADAMTS1	SPATA18	MAPRE1	NXPE1	hsa-miR-5003-5p	hsa-miR-4475
ADAMTS4	PPP1R36	SNAI1	HSPB9	hsa-miR-5000-3p	hsa-miR-5582-3p
ADGRL1	DPF3	ASAP1	FCGBP	hsa-miR-593-5p	hsa-miR-3650
ADM	LOC643733	COL8A1	VSIG2	hsa-miR-338-5p	hsa-miR-1825
ADRA2C	NEURL1	MYBL2	SAMD13	hsa-let-7f-5p	hsa-miR-937
AEBP1	NXPE1	IL6	SLC35A1	hsa-miR-4659b-3p	hsa-miR-4449
AGT	NPDC1	AURKA	NEDD4L	hsa-miR-708-5p	hsa-miR-3679-3p
AHCY	TRIM34	SSH1	ACSM1	hsa-miR-199a-3p	hsa-miR-522-3p
AIM1L	EPHA4	H19	FGFR2	hsa-miR-297	hsa-miR-513a-5p
AIM2	SULT1B1	CD248	WNK4	hsa-miR-1252	hsa-miR-1207-3p
AKAP2	DUOX1	FJX1	ZADH2	hsa-miR-424-5p	hsa-miR-548k
ALYREF	KIAA1324	ORC6	PDCD4	hsa-miR-4661-3p	hsa-miR-4445-5p
ANGPT2	PRAC1	TPD52L2	NRAP	hsa-miR-27a-5p	hsa-miR-519e-3p
ANGPTL4	MAST4	BCAT1	KLHDC1	hsa-miR-34c-5p	hsa-miR-935
ANLN	FANK1	TPX2	EPHA4	hsa-miR-199b-5p	hsa-miR-32-3p
ANTXR1	KIAA0319	RNF114	SPATA6	hsa-miR-186-3p	hsa-miR-3646
AP1S2	SYTL1	EREG	DNAJC28	hsa-miR-550b-3p	hsa-miR-4764-3p
APOLD1	MUC4	RGS16	APOBR	hsa-miR-4477a	hsa-miR-3157-3p
AREG	CCL28	PLEKHG2	LOC643733	hsa-miR-4299	hsa-miR-625-5p
ARHGAP23	PSD3	FILIP1L	ANO7	hsa-miR-766-5p	hsa-miR-330-5p
ARHGAP29	ZNF704	PLK1	PLCD1	hsa-miR-761	hsa-miR-7-2-3p
ARVCF	CHADL	SEC61A2	C14orf159	hsa-miR-3687	hsa-miR-432-3p
ASAP1	CKB	KLHL5	UGT1A8	hsa-miR-4753-3p	hsa-miR-511
ASB9	CCDC18-AS1	TNFAIP6	SLC22A23	hsa-miR-299-5p	hsa-miR-23a-5p
ASGR1	MTSS1	TTC7B	ATP8A1	hsa-miR-214-5p	hsa-miR-502-5p
ASIC1	SCGB2A1	HILPDA	SCARNA17	hsa-miR-3201	hsa-miR-323a-3p
ASPN	FAM3D	THBS2	SPATA18	hsa-miR-1297	hsa-miR-508-5p
ATP11A	MLPH	LOC101927746	ZNF552	hsa-miR-126-5p	hsa-miR-5696
ATP6V1C2	TCEA3	TGM2	SLC9A2	hsa-miR-125b-5p	hsa-miR-4775
AURKA	CAPN9	SUV39H1	SULT1B1	hsa-miR-219-1-3p	hsa-miR-4799-3p
AZGP1	ZNF644	LOXL3	DLEC1	hsa-miR-4704-5p	hsa-miR-4795-3p
B4GALNT4	RALBP1	TOMM34	RNPC3	hsa-miR-4434	hsa-miR-5002-3p
BAG2	SLITRK6	C20orf24	CLCA1	hsa-miR-4518	hsa-miR-4483
BCAT1	HOXB13	MTHFD1L	TCEA3	hsa-miR-124-3p	hsv2-miR-H5
BMP7	IQGAP2	CENPP	CCDC18-AS1	hsa-miR-4514	hsa-miR-551a
BST2	FCGBP	CEP72	NPDC1	hsa-miR-4732-5p	hsa-miR-4455
C11orf96	SPTLC3	FLNA	RAB27B	hsa-miR-100-5p	hsa-miR-4639-3p
C1orf216	NUDT6	WISP1	MUC4	hsa-miR-7-5p	hsa-miR-501-5p
C1S	UNC13D	HIP1	AGR3	hsa-miR-4778-5p	hsa-miR-4653-3p
C20orf24	ANO7	NUP210	LOC90246		hsa-miR-320a
C2orf27A	MROH7	SEMA3A	ARHGEF28		hsa-miR-1537
C2orf54	AGR3	OSM	SLC44A3		hsa-miR-5011-5p
C4BPA	NRAP	ACAN	TSPAN8		hsa-miR-548as-3p
C6orf223	TLR4	EGFL6	MLPH		hsv2-miR-H11*
C6orf99	TLN2	DLEU2	CLMN		hsa-miR-1236
CA9	SAMD13	NES	NPAS1		

CALCRL	CES3	TRIB3	CEP70
CALD1	NXPE4	COL1A1	NEURL1
CAPRIN1	PPM1L	TEX30	FANK1
CARD14	APOBR	ZNF623	TNFRSF11A
CARD9	TESMIN	RFC3	HES5
CAV1	RASD1	DEF8	TRPM4
CCDC88A	PLSCR4	ADAM19	NXPE4
CCL18	CLCA1	VEGFA	MTSS1
CCNE2	HYAL1	INHBA	SCGB2A1
CCT5	SERTAD4	E2F1	NOXA1
CD34	MRAP2	SLC5A6	TLR4
CD93	HES5	IFITM3	VWA5A
CDC25A	SYT17	ISLR	FAM161B
CDCA5	ASAP3	COL12A1	GLIS3
CDCA7	MB	MFAP2	RETNLB
CDH11	ATP2A3	SKA3	IKZF2
CDH6	KCTD16	DUSP14	MRAP2
CDR2	NXPE2	MYL9	NPY6R
CDT1	EDN1	CYR61	SYTL2
CEACAM3	ARHGAP44	CSRP2	DPF3
CEBPB	WNK4	AUNIP	CACNA2D2
CENPA	CEP70	ZNF469	RNF186
CENPJ	PAQR8	SPARC	GTF2IRD2
CENPN	CAPN13	GNB1L	PADI2
CENPP	ATOH8	FAM83D	KSR2
CFH	CBFA2T3	ACSL4	SLITRK6
CGREF1	CX3CL1	HTRA3	EPHA10
CHI3L1	RILP	CCNF	CAPN9
CHRDL2	NSUN7	FOXM1	ABCC3
CHST2	HEPACAM2	AREG	CCDC191
CLCN2	TNFRSF11A	IFITM2	PSD3
CLDN1	CYP1B1	RBL1	UGT1A6
CNN1	ST6GALNAC6	TP53RK	ENTPD5
CNRIP1	ALOX5	SNN	CCDC30
COCH	SERTAD4-AS1	PRPS1	NDRG2
COL11A1	FGFR2	VAV2	SMIM14
COL12A1	OTUD7A	SULF1	ATP2A3
COL18A1	MOGAT2	SLC7A5	RORC
COL1A1	SPAG16	SCRN1	CCL28
COL1A2	HRK	CALD1	ULK2
COL3A1	DUOXA1	COL5A2	KIAA1107
COL4A2	CHST5	ADA	BCAS1
COL5A1	ATOH1	IFITM4P	MYOF
COL5A2	ASRGL1	CENPN	PLCE1
COL6A1	LAMA1	ZCCHC24	ACER2
COL6A2	SELENBP1	C11orf95	SPTLC3
COL8A1	RNU12	RELT	LRRC31
COL8A2	N4BP2	CDC25B	KCNMA1
CORO1C	ECI2	NDST1	AFAP1L2
COX7A1	POU3F3	ADAMTS4	NXPE2
CPNE1	SMPDL3A	TCFL5	NR3C2
CPVL	PTCHD1	LAPT4B	TSGA10
CPZ	LOC100506990	S100A9	AK9

CSPG4	UGT1A6	CDCA5	FAS
CSRP2	LDHD	SPON2	SLC40A1
CTHRC1	LYZ	TMEM132A	SYTL1
CTNNB1	FFAR4	COL1A2	ST6GALNAC1
CTSK	SLC40A1	C6orf223	TRIM16L
CXCL12	CWH43	PDGFRB	HHAT
CXCL5	ADTRP	FAM216A	ATOH1
CXCL8	DLEC1	ADGRL1	PAQR8
CXorf57	SHC2	WWC2	FUT8-AS1
CYR61	BCL2	CENPI	ARFGEF3
CYYR1	HMGCS2	GUCY1A3	ASAP3
DCN	FUT8-AS1	SPP1	CELF6
DEF8	GRAMD1C	VCAN	CES3
DFNA5	ST6GALNAC1	KIAA1462	ARMCX4
DKK3	KLRB1	PRPS1L1	CHADL
DPEP1	KIAA1107	XRCC2	ZNF704
DSN1	PBLD	CPNE1	GPRIN2
DUSP5	C2CD4B	ROBO1	ASRGL1
DYRK3	GALNT8	FANCB	IMPACT
E2F1	TMEFF2	RECQL4	PTPRB
EIF2S2	RNF186	HOMER1	RAP1GAP
EIF4H	SMAD9	ASF1B	RAP1GAP2
ELOVL5	TBX3	CLDN1	ATOH8
EML1	CFD	KIF18B	DENND2A
ERCC6L	GAREM1	ATP11A	CTSO
EREG	MIA2	FADS1	RHBDL2
ERICH4	GLIS3	TRIP13	WDR78
ESM1	IKZF2	ALDH1L2	MUC2
ETV4	TNFSF15	ELOVL5	PDE4D
EXO1	MUC1	C16orf59	BLNK
FADS1	LOC105379426	RELL2	IQGAP2
FAM216A	PRKACB	PDPN	HEPACAM2
FAM3B	SPINK4	PKMYT1	CRYM
FAM65C	IGFBP2	LRP8	ABO
FAM72D	SEMA3F	LUM	GCNT4
FAM83D	MUC2	GDF11	C15orf65
FAP	RHBDL2	IGFBP5	B3GNT6
FARP1	TCN1	IGF2	LOC727916
FBLN1	TLR3	FBLN2	CA12
FBN1	PHLDA3	AKAP2	TLN2
FGFR1	TXNIP	RAB31	RASSF6
FILIP1L	EFNA5	RBM38	EIF4E3
FJX1	CEP290	DNM3OS	NUDT6
FKBP10	RORC	TXLNG	AKAP7
FLYWCH2	LOC100507412	SCLY	HOXB13
FN1	ZBTB20	RBMS1	GSN
FREM1	ST3GAL4	CDT1	C9orf66
FUT1	LOC105376714	PACSIN3	ALOX5
G0S2	FOXA1	DKK3	KIAA1324
GALNT18	ALDH1A1	TICRR	PLCL2
GARS	NFYC-AS1	COL4A1	CWH43
GFPT2	JCHAIN	ZNF695	ABCA5
GID8	ANKRD30BP2	SIRPA	SPAG16

GJA1	CLIC3	PLAU	RILP
GNAZ	IGFALS	CENPJ	DUOX1
GNB4	SPDEF	TTC26	ACSM3
GNG11	BMX	MMP11	CKB
GNG4	FAR2P1	BATF3	LOC105376714///SLC30A4
GP1BB	AIFM3	STRIP2	MCTP2
GPC6	ACER2	UBE2S	ZDHHC2
GPR4	PDE5A	LOXL2	MB
GSTT2	PPP1R9A	LOX	GLUL
GUCY1A3	ALDH3A1	MCM2	KIAA0319
GZMB	CHST6	FUT1	CHST5
HBA1	IL1R2	MELK	PRKAG2
HBA2	TMEM61	POLQ	LINC00324
HBB	ATP12A	IMPDH1	LOC100130691
HBD	SESN3	NDRG4	GATA2
HBG1	PCSK1	LHX6	GALNT8
HDGFRP3	C15orf48	ANTXR1	MMP28
HERC5	ADH1A	HSPA6	ACOT11
HILPDA	PDIA2	PFKFB3	TOX
HKDC1	BCAS1	KIF4A	CBFA2T3
HMGA2	ANKRD20A2	DSCC1	TMEM61
HOMER1	TRIM22	MCM10	GALNT4
HOXA11	CAPN12	SNHG17	RASD2
HS6ST2	L1TD1	DDIAS	SERTAD4
HSPA6	PLCL2	SUSD3	ABCA13
HTRA1	MN1	FN1	ADTRP
HTRA3	SYTL5	FSTL3	LOC101927402
IGF2	RG513	PPBP	KLK15
IGFBP3	PAX9	GNG4	FMO5
IGFBP5	IGHA2	COL5A1	CNGA1
IGFBP7	ADH1C	DIO2	KANSL1L
IGFBPL1	ECM1	SAMD8	GNE
IGHG4	SAMD5	SDC2	NTN4
IL13RA2	KCNMA1	HSPB2	THSD4
IMPDH1	LGR6	ETV4	DAPK1
INHBA	MT1E	CDH6	FFAR4
INHBB	REG4	PRNP	CYP3A7
ISG15	DUOX2	KIF2C	SLC38A4
ITGA2	COL17A1	MIR17HG	SELENBP1
ITIH5	PPARGC1A	CCDC80	KIAA0513
JMJD6	KLK1	KCNH2	TVP23C-CDRT4
KCNH2	AKR1B10	NOX4	GFI1
KCNMB4	SLC28A2	CCL2	BTBD8
KIAA0922	ODAM	DNM1	PBLD
KIAA1462	MFSD4A	TAGLN	TRIM34
KIF18B	UGT1A8	BGN	RASD1
KIF26B	KLK11	TMSB15A	KCTD16
KIFC1	MDFIC	COL18A1	LYZ
KIRREL	CEBPA	UROS	AGBL2
KLHL5	MT1M	CCDC102B	TFF3
KRT23	CRIP1	LAMA5	PIGR
LAMA4	HPN	SHCBP1	FLJ42627
LAPTM4B	ID4	ORC1	CAPN13

LARP6	KCNV1	ANGPT2	C15orf48
LDLRAD3	PRUNE2	CTHRC1	MROH7
LGALS1	AXDND1	DCN	METTL7A
LHX6	MGC32805	MIR503HG	ARL14
LINC00659	SLC5A8	HTRA1	ZNF396
LOC101927746	MMP7	ABCC2	CA8
LOC105379362	AGGF1	ITIH5	B3GALT1
LOC341056	CTSE	MXRA8	LCN12
LOX	SPON1	CCDC3	REG4
LOXL3	PLAC8	TGIF2	BCL2
LRIG1	ITLN1	COL3A1	NT5E
LRP8	SOD3	SRGAP2	PIK3IP1
LRRC10B	OLFM4	DFNA5	LOC100287869
LUM	LINC00261	AFAP1L1	LOC100507053
LY6E	CHP2	WWTR1	HMGCS2
MACC1	KLK12	MAP1B	FAM189A2
MAD2L1	FAM71D	MLLT11	KLK3
MAP7D2	SLC38A4	LINC01296	MIA2
MAP9	LEFTY1	ARHGAP10	KLK1
MAPRE1	WFDC2	SLCO4A1	CNTN3
MCAM	PIGR	ATAD2	EXD3
MED29	TRIM7	MPP6	PPM1L
MEG3	MSLN	NR2F1	EDN1
MEIS1	GPER1	STX2	AIFM3
MELK	LGALS2	IFITM1	LOC643201
MEX3A	SLC4A4	ESM1	SYT17
MICB	LYPD8	RDX	NPAP1
MLXIPL	ANKRD20A12P	SLC41A1	TCF12
MMP1	CYP4X1	COL11A1	RGS9
MMP11	IRX3	SNHG7	SPDEF
MMP12		TNS1	ZMYND12
MMP19		TIMP3	RNASE4
MMP3		STMN3	ST3GAL4
MPDZ		LGALS1	DNASE1L3
MPP6		NT5DC2	SOD3
MRAS		OLFML2B	NTRK2
MRGBP		GNB4	PRAC1
MTFR2		CRLF1	SPINK4
MTG2		FCGR2A	ROPN1
MTHFD1L		MX2	ADH6
MTTP		KIRREL	ST6GALNAC6
MXRA8		FAM217B	CFAP70
MYBL2		KDELC1	CYP3A5
MYH11		HCAR3	LINC00842
MYH7B		GINS2	CCDC171
MYL9		SCD	TFAP2D
NEIL3		HSD11B1	NSUN7
NEK2		CTSK	IGFALS
NFE2L3		HIST1H1A	BEST2
NKD2		TOP2A	DLX3
NKX2-3		BST2	LDHD
NNMT		C16orf45	PTCHD1
NOD2		ST3GAL2	BARX2

NOX4	GLI3	SIDT1
NR2F1	CHI3L1	PPARGC1A
NR3C1	CCL3	PIGZ
NRP1	COL4A2	TLR5
NUB1	C11orf96	IL1R2
NUP210	ZAK	SEMA3F
ORC6	IL17D	RASAL1
OSER1	SLC2A14	RGS13
OSR2	CPT1C	FAR2P1
P3H3	GP1BB	TESMIN
PARPB	CHN1	EPHX2
PAX8-AS1	RRM2	IL23R
PCDH17	RAD54L	SMAD9
PCDH7	FAM69B	IGHA2
PCSK9	SFRP4	CRACR2A
PDGFRB	GNAZ	CD160
PDLIM3	MAP6D1	ECI2
PDPN	EXO1	SYTL5
PECAM1	FCGR3A	HYAL1
PGK1	APOC2	CACNB2
PHGDH	C2orf54	SATB1
PHTF2	FAM3B	AHNAK
PLA2G12B	COL15A1	GIMAP2
PLAU	AJUBA	LTBP4
PLEKHG2	AP1S2	ALDH3A1
PLS3	TSPAN4	NAT2
PNMAL1	ERBB3	LAMA1
POSTN	CKAP2	SLC16A9
PP7080	SNX10	KIAA0825
PPP1R18	ICAM1	PTGER2
PRDM16	TREM1	RNF125
PRNP	BCAS4	ST3GAL5
PROCR	VEGFC	FERMT3
PRPS1L1	PAMR1	ADCY10P1
PSMA7	CD93	RNU12
PSMC3IP	ARHGAP23	ATP13A4
PTPRO	WASF1	COL17A1
PTRF	NTM	BDH2
PXDN	SLC2A5	GRAMD1C
QKI	ZNF512B	KLB
RAB31	DUSP5	NOL4
RAD51AP1	POSTN	SH2D6
RAMP1	CASC15	FAM174B
RASIP1	FAM20A	L1TD1
RBL1	LARP6	ANKRD30BP2
RBMS1	CD34	MOGAT2
RBP2	IGFBP7	DQX1
RECQL4	CXCL5	BMX
RFTN1	THBD	KCNK10
RGN	TFPI2	CACNA1C
RGS16	WNT5A	CHRNA7
RIIAD1	COX7A1	LOC105371920
ROBO1	CXorf57	P2RY1

ROBO4	CHST15	SHC2
RPN2	G0S2	SLC36A4
RRM2	TPM2	TXNIP
RSAD2	TMEM55A	PRUNE2
RUNX1T1	ADAMTS2	MFSD4A
S100A8	TNC	GALNT5
S100A9	MSRB3	PTPRN2
S1PR1	FERMT2	LINC00261
SACS	BRCA2	DAPP1
SAMHD1	MCAM	KLF3-AS1
SCRN1	COCH	LINC00926
SEMA3A	FAM72D	COLCA1
SFRP4	ANXA9	C16orf89
SHCBP1	GGT5	TCN1
SIRPA	CERCAM	LRRC19
SKA3	ECM2	FXYD3
SLC13A3	PHGDH	CYP3A4
SLC16A10	FCGR1B	LEFTY1
SLC25A25	ST3GAL1	PTGDR
SLC2A1	RASIP1	FAM134B
SLC43A3	GINS1	GGT6
SLC5A6	HSPA12B	WEE2-AS1
SLC7A5	TGFB2	DRC3
SLCO4A1	TUBB4A	MTURN
SMOC2	COL5A3	ATP12A
SNAI1	GALNT18	SPATA9
SNHG17	FBN1	SLC28A2
SPARC	ISG15	ACVRL1
SPERT	GFPT2	GPT
SPON2	BMP8A	KCTD1
SPP1	IGDCC4	CHST6
SRGAP2	PRR16	ANKRD20A5P
SSH1	SPHK1	CBR3
ST3GAL1	KCNMB4	PRKAG2-AS1
ST3GAL2	S100A3	ABCC13
STC2	SUSD2	CYP1B1
STIL	PROCR	JCHAIN
STIP1	AEBP1	KLK11
STMN3	FAM171B	ECM1
STRIP2	TLR2	SLC25A21-AS1
STX2	ZNF618	SESN3
SULF1	KIF26B	PTGDR2
TAGLN	AKT3	PLA2G10
TBL3	EGFL7	UNC13D
TBX2	S100A8	EPM2A
TCEA2	FCRLB	TMEM71
TCF4	KCNAB2	MUC5AC
TCFL5	ACTG2	MUM1L1
TCP1	TMEM74B	FRMD3
TDO2	COL6A3	TEX11
TESC	RBP1	TSPAN1
TEX30	FOLH1	KCND3
TFDP1	CSPG4	C2orf88

TFPI2	VASN	SERTAD4-AS1
TGIF2	NRP1	AMY1C
TGM2	OLFML2A	B4GALNT2
TICRR	EDNRA	CCNJL
TMEM132A	SLC2A6	SDR16C5
TMEM150C	CLCN2	ANO4
TMEM158	CCL3L3	SLC18A1
TMEM170B	CCDC150	PDE5A
TMEM200A	VWCE	FABP2
TMEM204	MYH10	RBMY1B
TOP2A	NOCT	ADRB2
TP53RK	SYT11	HTR3E
TPD52L2	FNDC1	PPP1R9A
TPM2	ALDH4A1	HGD
TPX2	NKD2	ANKRD20A2
TRIB1	PARVB	KLRB1
TRIB3	GPR4	PGAP1
TRIM15	PRKCDBP	NEFL
TRIP13	ADAMTS1	HSPA2
TRPM2	EML1	SCG5
TSPAN33	NNMT	FOXA1
TSPAN4	ANXA6	NXF3
TTC7B	HKDC1	ABI3BP
TUBB4A	SLC13A3	TRIM22
TUBB6	MEIS1	GSTA2
UBE2S	SFRP2	SLC28A3
UBQLN1	FAM20C	CRIP1
VASN	KCNJ8	FAM189A1
VAV2	HMGA2	MIPOL1
VBP1	DUSP5P1	CTSE
VCAM1	FITM2	DUOX2
VEGFA	MMP2	LRMP
VIM	SCHIP1	SCN9A
VWF	MAP7D2	ITLN1
WASF3	FCGR3B	FGF13
WISP1	TCF15	GPBR1
WNT5A	TUBB3	EFL1
WWC2	KRT23	SERPINB5
XPOT	RASSF8	SAMD5
YTHDF1	LZTS1	PDZD3
ZAK	BCL6B	RPGRIP1
ZCCHC24	MMP19	HTR3C
ZNF259P1	DACT3	CLIC3
ZNF469	GPC6	ADAMTSL1
ZNF587	JAZF1	TARP
ZNF618	MMP3	LPAR6
ZNF623	EEF1D	EFNA5
	DHDH	KBTBD12
	DDIT4	ATP1A2
	TRO	SLC52A1
	PHACTR3	ADRB1
	LARGE2	C2CD4B
	FREM1	PARM1

VSIG4	C17orf77
TESC	LOC100506253
MFGE8	FAM135B
IGFBP3	KCNV1
SCARF2	MGC32805
ACTA2	AXDND1
SFTA2	SLC16A7
DGKG	SLC4A4
LOC100507460	ASPA
CNN1	ADH4
ADGRA2	GOLGA8S
PDLIM3	LOC105379426
MMP12	RHBDL3
MEDAG	GSTA1
FKBP10	FAM221B
GJA1	SLC4A8
FBLN5	NOX1
STC2	EGF
ATP10A	CCDC62
NID1	SCIN
P3H3	NECTIN4
ASGR1	LOC105376944
B4GALNT4	SCOC-AS1
CSF2	CHP2
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ROBO4	MID2
GPM6B	AKR1B10
CPVL	ZMAT1
ASIC1	DSCAML1
ADAMTS14	SLC2A10
PDGFC	NPY1R
COL13A1	ACKR4
FAM126A	LINC01341
DOCK4	EDN2
GDPD5	ADAM32
TMEM198	LOC283788
HBA2	ENTPD8
PXDN	UGT2B15
MEX3A	ERICH3
SMKR1	SHF
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ANGPT1	ADH1C
HBA1	NR1H4
BICC1	CNTD1
LILRB3	UGT2B17
PCOLCE	ASPG
MMP1	GSTA5
TNNI3	BMPR1B
SPOCK1	SEMA6A
MAPK12	ADH1A
JAG2	ARHGAP44
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RHOD	MDFIC

QKI	ENTPD3
AGT	TIMD4
SNHG6	KLK12
TSPAN33	ALDH1A1
CRABP2	PLCB4
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TREML2	SPINK2
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ADAMTS5	PCSK1
COL14A1	PAX9
ESPNL	TRIM7
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FOSL1	DUOXA1
FRMD6	SPTB
SLC6A4	SATB2-AS1
RNFT2	WFDC2
DENND5B	TP63
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CDCA7	LINC00589
IGF2BP3	SLC5A8
TWIST2	KLHL32
DDR2	LDLRAD1
TMEM204	CDHR1
C2orf27A	ALDH1L1
PTRF	ADRA2A
PLPP7	HP
NOD2	UNC5B-AS1
ADGRF5	SPON1
SGIP1	SERPINA1
COL7A1	ANKRD20A11P
CPZ	LIMCH1
GZMB	KANK4
LBH	TLL2
GNG11	LOC441666
CPXM2	SLCO1B3
ITGB3	CSRNP3
FAM19A5	TNFRSF17
DUXAP8	DNAJC12
MRAS	SLC3A1
GLIPR1	TEX12
SLC2A1	HAVCR1
HOXA11	TMED6
IGFBP1	ID4
AMOTL1	BHLHE41
GLI2	IGFBP2
HSD17B6	COLCA2
HECW2	POU2AF1
EFS	LGR6
FSTL1	SLC25A21
PSAT1	CCDC158
CCDC102A	ART3
ADGRL4	KCNG4

COL6A1	GATA2-AS1
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FLT1	TRIM58
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GPSM1	QPCT
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CEL	ARHGAP24
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NRP2	CA2
RBP2	MMP7
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SEMA7A	SLC45A4
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DCHS1	RBM22
EDA	CGB1
DLC1	C17orf78
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TREM2	PIK3R5
PLN	MT1JP
RCN3	NDP
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IL13RA2	OTC
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MAGED4B	CCDC66
SERPING1	ATXN3L
CARD14	ZG16
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CARD9	IRX5
TCF4	PKIB
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COL6A2	PYGL
FBLN1	OLFM4
CYP2A7P1	FAM183A
TRPM2	DEFA6
TDO2	LGALS2

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PLXDC1	
CITED1	

TNFSF4
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COL9A3
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PLA2G12B
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BAG2
CSF2RA
KRT14
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APOC1
ERICH4
SCAMP5
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PRICKLE1
MICU3
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PPP2R2C
SLC6A20

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LGI2
FRMD5
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