

Genecards database	disgenet database	NCBI database	OMIM database	pharGKB database
PCOS1	CYP19A1	TNF	ACTG2	PCOS1
INS	AKR1C3	IL6	ADAR	CFTR
SHBG	STAR	ADIPOQ	AFF3	ESR1
ADIPOQ	BCL2	AR	AGRN	PKD3
FSHR	HSD3B1	TP53	AHDC1	UBE3A
FST	FSHR	VDR	AKT3	ESR2
AMH	LMNA	PPARG	ALG14	PGR
LEP	GNAS	VEGFA	ALMS1	PKD1P6
DENND1A	GDF9	MTHFR	ANAPC1	PKD1P5
PRL	BMP15	ACE	ANTXR1	PKD1P4
INSR	INS	CRP	ARID1A	PKD1P3
IGF1	LEP	ESR1	ASXL2	PKD1P2
PPARG	HSD3B2	TGFB1	ATAD3A	ST8
IRS1	LIF	SERPINE1	ATP13A2	PKHD1L1
RETN	LHB	PON1	B3GALT6	PKD1P1
CYP19A1	RBP4	IL1B	BBS5	PKD1L1
AR	MMP2	IL10	BCL10	OVCA2
GHRL	AZGP1	FTO	BCL11A	PKDREJ
CYP11A1	MTNR1B	INS	BOLA3	PKD2L2
GNRH1	SRD5A1	HIF1A	BSND	PKD1L2
CYP17A1	GAB1	MMP9	CALM2	PKD1L3
CAPN10	CGB5	PTEN	CASP10	PKD2L1
NAMPT	MALAT1	GHRL	CASP8	PKHD1
IGFBP1	AKT2	BDNF	CCDC28B	VEGFA
H6PD	AKR1C1	AKT1	CCDC88A	LEPR
CGA	CCNB1	IGF1	CD46	RENS2
CYP21A2	MANEA	CXCL8	CDC42	RSS
IRS2	ERRFI1	LEP	CDC73	PKD1
IGF2	CLDN4	RETN	CDCA7	MMP19
THADA	DMD	NOS3	CELA2A	DPH1
POR	PNPLA2	AGER	CENPF	PKD2
GH1	TFRC	IFNG	CEP104	FAM32A
SRD5A1	BAX	IL18	CFH	OCIAD2
GAS5	TNRC6B	CYP17A1	CFHR1	POF18
IGFBP3	RP2	NAMPT	CFHR3	DWS
GDF9	RAB2A	MDM2	CHN1	KSS
TCF7L2	MAPK8IP3	CCL2	CHRM3	LEP
LINC01828	FUT7	MMP2	CHRNA1	RLN2
ENSG00000234940	TMEFF2	NPPB	CKAP2L	PMPS
ENSG00000286145	IQCC	ICAM1	CLCNKA	CDL1
ENSG00000230704	FLT4	AMH	CLCNKB	CDL2
AFA1	LSM5	CYP1A1	CNNM4	MYSA
SERPINE1	RPL37A	IL17A	COL11A1	ICR4
STAR	RRM2	LCN2	COL3A1	THAS
CRP	MAPRE3	HMOX1	COL5A2	AIC
SULT2A1	PWWP2B	IL1RN	COL9A2	ACLS
HSD3B2	TCF15	ESR2	COLEC11	JBS
VEGFA	UBE2H	MIF	CXCR4	BOK
MSR1	AKR1C2	HMGB1	DCAF17	FGS2
IL6	TTLL9	FSHR	DCTN1	FGS3
MT-TL1	TMF1	TNFRSF11B	DDR2	TNR1
TNF	TOP2A	HFE	DDX59	MBS1
HSD11B1	LINC00475	SHBG	DGUOK	ADFN

FTO	PTCRA	INSR	DNMT3A	SCKL3
PON1	TBX1	HLA-G	DVL1	SRPSMCR
APOB	S100P	IL4	EIF2AK2	CAPN5
ACE	SCNN1A	IGF1R	EIF2AK3	WS2B
LHCGR	SCT	APOA1	EN1	RIEG2
RBP4	SFTPC	IRS1	ESPN	MROS
ADIPOR1	DUX4L5	LMNA	F5	DURS1
APOA1	ELAVL3	IGF2	FASLG	ANCR
PPARGC1A	SOX15	TCF7L2	FIGLA	CECR
SLC2A4	DLG4	CYP19A1	FLG2	GTS
MTHFR	TTK	MIR146A	FSHR	DCR
ESR2	LTK	UGT1A1	GATAD2B	WHCR
FBN3	IGHG1	LHCGR	GLI2	MSD
ADIPOR2	NMNAT3	BAX	GNAI3	DGCR
POMC	TONSL	APOB	GNB1	WBS2
AGER	ADGRD2	CXCL10	GPSM2	LCS1
ESR1	S100A7A	LPL	GRHL3	USH1E
GATA6	FOXP3	IL2	HAAO	USH1A
MC4R	PDE3B	WT1	HADHA	GPDS1
REN	HMMR	PCSK9	HFM1	DGCR7
PAEP	BCL11A	LEPR	HHAT	KERSMCR
AKR1C3	ATF1	IL1A	HOXD13	HTC1
VDR	MYBL1	PGR	HS2ST1	PRS
HSD3BP4	LIFR	RARRES2	HSPG2	NFXL1
HSD17B6	MAD2L1	FOXO3	IBA57	WBSCR2
AMHR2	BLOC1S3	PPARGC1A	IFIH1	SMCR9
IL1B	KRT3	DPP4	IL6R	SMCR3
IL18	SPATA21	VCAM1	IRF6	TRESMCR
SRD5A2	ZSWIM9	CD40LG	KCND3	SMCR6
IAPP	ODF3B	CAPN10	KCNH1	MCS
HP	TMEM151B	CHI3L1	KCNJ10	ATD
DPP4	ISYNA1	TNFSF11	KCNN3	DGCR12
PPARD	NRG1	PIK3R1	KIF14	EEC1
PLA2G7	HELLS	CNR1	KIRREL1	EEC2
BMP15	ANLN	TIMP1	KYNU	ERMP1
MIF	PTGER3	GC	LBR	FILIP1L
CCL2	PLEKHG5	ENG	LMNA	DGCR6L
PBX1	REXO1	STK11	LMOD1	MBS3
LEPR	ARHGAP23	HNF1A	LORICRIN	MBS2
F5	SPTBN4	RUNX2	LRIG2	MEHMO
FNDC5	ASPM	MALAT1	LRP2	ADAMTS1
IGFBP2	PRKD2	PTX3	LYST	SMCR2
ANGPTL8	ARHGAP30	ITLN1	MDM4	NOBOX
CHIT1	NPB	FBN1	MDS2	OCIAD1
SERPINA12	PTAFR	DICER1	MPV17	MRXS7
ICAM1	EMSY	KLK3	MPZ	MRXS11
ADAMTS1	TNPO2	HMGA2	MSH2	IMMP2L
PTEN	NOP53	KL	MSH6	GALNS
KLK3	RACGAP1	ANGPTL8	MTOR	DSCR4
ADRB3	LPCAT2	GH1	MTX2	MSH4
INSIG2	CEP55	MC4R	MYCN	PCYT1B
MAP3K2-DT	TRPV6	NGF	MYSM1	CECR3
FAS	GP1BB	MIR27A	NBAS	SOHLH1
PPARA	CMTR2	KISS1	NECTIN4	STRA8

FSHB	PBK	KCNJ11	NFU1	CECR9
STK11	TMEM151A	RBP4	NLRC4	MDS2
RUNX2	ABCB6	ADM	NLRP3	KALP
MIR21	C12orf66	UCP2	NOS1AP	AFP
MIR323A	ZMYM5	IL6R	NOTCH2	FANCG
GNAS	RHPN1	SERPINF1	NPHP1	NO53
ALDH1A3	CAMK2D	TIMP2	NPHP4	KDR
CXCL8	TEAD2	SREBF1	NPHS2	DGCR9
LEPQTL1	CKS2	WNT5A	NRAS	FSHB
AKT2	CNTROB	FNDC5	NRXN1	SDCCAG8
PYY	MGAT5B	HSD11B1	NUP133	CECR7
GCG	ADAMTS7	AHSG	ODC1	DGCR11
AKT1	PDLIM4	SOCS1	ORC1	DGCR10
PCSK9	HACD1	APLN	ORC4	KITLG
KISS1	SRSF10	AVP	PADI3	RIPPLY3
MMP9	RUNX3	GHR	PBX1	USHBP1
GIP	ADARB1	BGLAP	PER3	PKP1
ADRB2	FGF18	PLAT	PHGDH	PRG4
MIR135A1	CCNE2	SAA1	PIGF	RCC1L
SREBF1	ZNF205	CX3CL1	PIGV	GTSCR1
GSTM1	DDX54	CPB2	PIK3CD	MIEF1
KISS1R	RASL10B	NPY	PKP1	METTL27
MIR222	SAP30L	CASP9	PLOD1	ANOS1
MIR320A	LARP4	PRL	POGZ	INHA
HSD11B2	CDC6	EPHX1	POLR1B	TCTN2
ANXA5	TAB1	SRD5A2	POU3F3	WASL
PTX3	BBOF1	SLC2A4	PPP1CB	DSCR10
LOC108964933	JSRP1	ADIPOR1	PREPL	EVC2
UCP2	ZNF430	ADA	PRG4	HYLS1
ITLN1	MORN1	GZMB	PSMB4	DGCR6
ADA	FBX044	ENPP1	PTCH2	ZNRD2
IDE	CARMIL3	GLP1R	RAB3GAP1	HDHD5
IL17A	DCBLD2	IRS2	RAB3GAP2	HPS3
MIR145	DACT3	IGFBP1	RBM8A	BCS1L
HMGB1	CDH15	CRH	RC3H1	BCL2L1
CGB5	HOOK3	CCN1	RFX5	ANG
NR1H3	LRATD1	MIR203A	RIT1	NHS
MUC1	THAP3	MIR223	RNU4ATAC	ANGPT1
MIR146A	IL34	HDAC3	RYR2	EREG
MIR27A	PGR	MSTN	SATB2	EVC
MIR483	RARRES2	CYP11A1	SCN1A	BBS12
MAPK3	HSD17B7	NR1H3	SDCCAG8	FOXC1
GPB1	NR3C1	DCN	SF3B1	SSNA1
INSL3	ADRB2	LOX	SKI	OCRL
CYP1A1	CD36	INHBA	SLC19A2	CRLF1
GPT	ADRB3	AKT2	SLC25A24	TBL2
MIR486-1	NCOR1	ANGPTL4	SLC2A1	AMMECR1
HOXA10	TNFSF10	NUCB2	SLC5A7	WBSCR23
MIR23A	TH	MTNR1B	SLC9A1	SAMHD1
MIR486-2	DENND1A	MIR222	SOS1	INHBA
INHA	INSR	TNFRSF11A	SOX11	ARVCF
MIR23B	SLPI	NR4A1	SPEN	DSCR8
WT1	THADA	FAAH	SPRNTN	NPHP3
PEPD	NGFR	MMP8	ST3GAL5	WHSC1L2P

GPX3	ADRA1D	FABP1	STAMPB	HPRT1
MIR155	ADRA1A	XPA	SUCLG1	AMH
PWRN2	LHCGR	HSP90B1	SYT2	VPS26C
RARRES2	ADRA1B	CSF3	TBCE	LFNG
TLR2	ATP5F1B	INHA	TBX15	DMC1
GRP	PPARG	HMGCR	TCHH	PISRT1
ADO	YAP1	MIR142	TET3	SMCR5
NOTCH3	PTEN	ARF6	TGFB2	VGFB
ITGAX	AOPEP	PEPD	TMC01	XK
MIR30C1	HNF1A	UGT2B7	TMEM237	SMCR8
MIR30C2	ATM	TFAP2A	TPRKB	FGFR2
IGF1R	ERBB4	SLC30A8	TTC7A	ACSBG1
BRCA2	LIPE	NCOR1	USH2A	EIF2B2
BRCA1	HMGA2	VCAN	VANGL1	AGT
TP53	VCAN	GATA6	WDPCP	EIF2B4
PKHD1	CBX2	MIR125B1	WDR26	INHBB
ATM	FOS	HOXA10	WIPF1	NRIP1
MSH2	CAV1	SMAD1	WNT4	CCND2
MSH6	SETD2	FST	YY1AP1	DGCR5
TSC2	PLIN1	FADS1	ZEB2	C8orf37
CEP290	ERBB3	ARNTL		FOXL2
FBN1	SERPINE1	AKR1C3		TAF4
PIK3CA	AGPAT2	SREBF2		EIF2B5
CDH1	IGF1	ACAN		IPW
RAD51D	BAZ1B	ADAMTS1		CEP290
RAD51C	AMH	IDE		TMEM121B
PALB2	ANTXR2	ADIPOR2		PLA2G4A
CHEK2	MAP3K1	AZGP1		ZMPSTE24
NBN	DHH	IGF2BP2		MIEF2
BRAF	IRS2	PAEP		RNASEH2C
MLH1	MTHFR	FADS2		MMP14
KRAS	VCAN-AS1	CCK		CCNE1
BRIP1	TBL2	HCRT		SBDSP1
PTCH1	CRB1	MTNR1A		SSB
PMS2	RFC2	MIR23A		DSCR9
CC2D2A	FST	SLC22A1		TMEM270
FMR1	TICRR	ACVR1		FGF7
APC	PRL	GAB1		EDN2
CTNNB1	FLT1	INSL3		BMPR1B
NF1	IL6	PYY		FRAS1
DICER1	CDK2	TGFBR3		SUGCT
ERCC6	FBN3	FGF19		ESS2
FGFR2	RETN	PRKAA2		SPART
RAD50	CAPN10	GDF9		CECR2
C11orf65	CORIN	KISS1R		BBS10
OFD1	LINC02055	PNPLA2		NSUN5P1
MKS1	GTF2I	TRIB3		GALNT17
BLM	LMNB2	SLC18A2		SIRT1
MUTYH	GCG	SMAD5		NIPA1
GANAB	STON1-GTF2A1L	LUM		GTF2H5
BARD1	CCDC91	GPX3		MKS1
KCNQ1	POR	BMP15		TKT
SEC63	IL1B	ITGAX		MID1
SMAD4	CAVIN1	APLNR		BSND

TMEM67	BSCL2	INHBB	PCNT
DYNC2H1	NR5A1	LHB	IDS
ERBB2	PON1	LIPE	BUD23
NPHP3	GABRB1	GIP	MLF1
PRKCSH	POMC	MT-TL1	SOD1
FOXL2	IL1A	SFRP4	CC2D2A
LMNA	BRD2	MIR23B	ITSN1
JAK2	SULT2A1	HAS2	USH1G
RPGRIP1L	ELN	THADA	HPS5
FLNA	SOX5	GJA4	CLDN4
TSC1	TGFB2	UGT2B15	CFM2
BBS1	SOX3	NRIP1	CFM1
HNF1B	KIF7	SRA1	DSCAM
MRE11	FTO	LEPQTL1	PANK2
MECP2	TNF	CYP2R1	FBN1
LRP5	CYP17A1	SRD5A1	HPS6
SDHD	ESR1	DENND1A	TP53
ALG9	CYP2B6	PRDX4	CFTRP1
NR5A1	SLC2A4	MIR130B	KCNQ1
BBS10	ACE	MIR486-1	ETV2
COL4A5	SOX9	SGTA	BBSS
TP63	DMRT1	MIR483	USH1C
BBS4	CRP	SFRP5	CD177
PTPN11	ZBTB16	MIR423	DCAF17
ALMS1	SRY	H6PD	ETV3L
HRAS	WT1	MIR125B2	CSTF2T
PMM2	TCF7L2	HOXA11	NIPA2
RET	NROB1	MIR19B1	SBDS
EGFR	ALMS1	MIR30C1	SPG21
STAG3	GTF2IRD1	AMHR2	BAZ1B
MKKS	CLIP2	LPP	ETV6
FRAXA	VEGFA	APPL1	ETV5
ATRX	LIMK1	ADAMTS9	USH2A
TGFBR2	CYP11A1	GYS1	DGCR2
SDHB	VDR	ZNF217	ALG3
RAF1	IKZF3	AQP8	DSCAML1
TMEM216	ADIPOQ	HAS1	TCOF1
FGFR3	CIDEA	ENHO	BBS9
MIR17	MMP14	CCN5	ELN
STAT3	IRS1	BANCR	ADA2
BBS2	MAPRE1	MIR33B	TRPS1
NOTCH1	MSX1	IL18BP	NSD3
XRCC2	AR	WNT2B	CLCF1
BBS12	IRF1-AS1	EPHA7	BBS7
POLE	STOX1	GREB1	HPS4
MTOR	PMEL	NFIC	WRN
POLG	SHBG	HAS3	ETV3
TMEM231	ANGPTL8	MIR30C2	NSUN5P2
MIR15A	DPP4	RAD54B	ETV4
AHI1	AMHR2	STK26	SCHIP1
VHL	KISS1	FBN3	SCNN1B
MAP3K1	IGF2	MIR323A	ETV1
FGFR1	TGFB1	INHBC	PSAP
NUP107	GLP1R	OSGIN1	MECP2

BMPR1A	CYP21A2	MGAM	WAS
NSD1	HSD11B1	PRKAG3	ETV7
ALB	LEPR	ZP4	EBP
CDKN1C	GHRL	PDE8A	OFD1
GLI3	IL10	HSD17B6	BLOC1S3
NPHP1	CXCL8	MIOX	PYGM
GALT	H6PD	FEM1B	HPS1
COL3A1	LDLR	C1QTNF12	ERCC5
TTC21B	FSHB	FEM1A	ATRX
BBS5	IL18	C1QL3	BBS2
IL10	ESR2	MIR486-2	PEX2
IFT140	PPARGC1A	PWRN2	USP10
NOTCH2	PLG	MCF2L2	ALMS1
TCTN2	PIK3CG	NEWENTRY	NSD2
WDR19	CYP1A1	YAP1	WFS1
BBS9	ADIPOR1	APOE	NDN
RAD51	PIK3CD	STAT3	SCN5A
NPHS1	AGRP	HLA-DRB1	BCL2
BBS7	PIK3CB	COMT	BMP4
RB1	ARTN	CD274	TAZ
SOX9	PIK3CA	PCOS1	CD40LG
SUFU	MIR93	NR3C1	TWIST1
SLC2A1	APOA1	GSTM1	BBS1
GJB2	APOB	MIR21	PRNP
PRKAR1A	ICAM1	CD4	GOPC
MITF	GNRHR	ADRB2	CYLD
MIR200B	ADAMTS1	CDKN1A	MKKS
MIR200A	SLC2A1	GSTT1	RPGRIP1L
MIR223	EGF	TLR2	CD74
MEN1	ALB	F2	EEGV1
TGFBR1	CASP3	ATM	BVR1
COL5A1	KLK3	DRD2	RNVU1-11
COL2A1	IL1RN	F5	RNVU1-1
EPCAM	MMP9	GSK3B	RNVU1-7
COL4A3	MC4R	HLA-DQB1	RNU6V
JAG1	MAPK3	SPP1	UBE2V1P1
TGFB2	PDCD4	LGALS3	ERCC6
CDKN1B	FOXO1	AGT	RNVU1-18
SRY	PTH	PDCD1	GLRA1
AIRE	ACTB	EDN1	PF4V1
MAPK1	HSD17B6	SOD2	BBS4
TGFB1	AKT1	MAPK3	TAGLN
UBE3A	F5	CDKN1B	C1QTNF5
POF1B	PCOS1	AGTR1	BLM
FRAS1	CAT	MIR155	CALR
NPHP4	KISS1R	LDLR	MFRP
NRAS	ADIPOR2	ABCA1	FGFR1
ZEB2	MTOR	CYP21A2	KIF17
MIR200C	LPA	HBA1	UBE2V2
CHD7	ENPP1	EGF	ARMC10
NROB1	STK11	E2F1	THPO
SLC26A4	STS	FOXO1	CLN6
FANCC	CHST3	IGFBP3	UBE2V1
SGO2	GSK3B	C3	DFNM1

WFS1	NGF	HP	CC2D1A
SDCCAG8	PPARA	KCNQ1	BIRC5
COL4A4	HSD17B1	PLAUR	SLC1A3
CPLANE1	GC	TOX3	NOX1
B9D1	GATA6	IL33	
PAX3	INHA	HSPB1	
FLCN	SMAD2	HAMP	
PAX2	HSD17B2	S100A9	
NOBOX	NUCB2	PLA2G7	
IFT172	MIR27A	NRG1	
UGT1A1	MIR155	NQO1	
MET	SMAD3	GDF15	
WDPCP	LCN2	CD36	
HSPG2	APOE	H19	
ARL13B	ZGLP1	NOTCH3	
MT-CYB	IARS1	TNFRSF1B	
MYC	ENHO	TRPV1	
GJA1	KCNJ11	GNB3	
EGF	IFNG	FABP4	
MIR214	MIR223	IAPP	
MRPS22	ITGAX	SUOX	
MMP2	IGFBP1	POSTN	
PDGFRA	STAT3	ERBB4	
BNC1	MIR486-1	FGF21	
PRKCD	MAPK8	PTH	
SOS1	AGTR2	F13A1	
PREPL	CFTR	CD28	
TYROBP	PRKAA2	PKD1	
TTC8	KRR1	TNFRSF10B	
MIR31	DKK1	PECAM1	
NRXN1	GPT	GPB1	
MIR210	EHMT1	MIR29A	
CASP10	CNR1	CD163	
MIRLET7I	ROS1	POMC	
KIF7	AGT	SERPINA12	
HSD17B4	PLA2G7	IL23A	
NIPBL	SIRT1	TGFB2	
SMAD3	PCSK9	WWTR1	
EDN1	PROK1	ANXA5	
COL5A2	ZNF410	REN	
MT-ATP6	HAMP	GGT1	
SETD2	FN1	GNAQ	
THBD	PTGS2	NR5A1	
COL1A1	BGLAP	PDCD4	
CSPP1	FAAH	RAB5B	
MUC16	SOD2	TFAM	
KIT	SOCS3	IL6ST	
CHRNE	VCAM1	IL32	
LRRC56	ACACA	ATF4	
C3	BMP6	IL1R1	
SDHC	CCL2	PRF1	
TGFB3	HLA-DRB1	TNFSF12	
MSH3	UCP2	HSD11B2	
CDK4	TP53	MIR93	

CCND1	CPA1	LIF
DNAJB11	ADA	GAS5
CDKN1A	FBN1	STON1-GTF2A1L
IQCB1	HSD11B2	RAB5A
PIK3R1	APLN	TXNIP
MDM2	EGFR	GNRHR
EIF2B2	CCND2	PON2
FIGLA	HOXA10	XDH
PAX6	HMGB1	XIST
TCTN1	MECP2	ESM1
CHRND	BMPR2	APOC1
LIG4	SMAD7	PRLR
H19	MIR200C	APOA4
MIR429	SRD5A2	SET
MMP14	SPARC	ZFP36L2
EDNRB	SPP1	CHIT1
FREM2	SREBF1	HHEX
APOE	ZNF217	GREM1
ATR	SUOX	CDKAL1
IFT88	WNT3A	HSD17B1
AKT3	TBC1D4	STS
NOS3	TPD52	ADRA2B
TBX5	TPM2	STAR
POLD1	MIR21	MIR320A
SMC1A	CAPN5	STC1
PMS1	MIR204	PAFAH1B1
CASP3	VIM	UTS2
ARID1B	MIR146A	MIR335
CASP8	MIR145	SULT2A1
INVS	VIP	LPIN1
CD40LG	MIR222	MIR27B
TMEM107	TAC3	PLIN1
ERCC4	MIR34A	HSD3B1
DGCR2	MIR320A	CYP11B1
PSMC3IP	CD44	SLC22A2
ARL6	PIK3R1	LBP
KLLN	MIR33B	KIR3DS1
CFI	MIR92B	MC3R
HDAC8	WNT2B	CYP3A7
GPC3	TGFBR1	ATP5F1B
DNMT3A	TLR4	FSHB
ELN	MIR141	ANGPTL3
TYMP	MEF2A	KIR2DS4
COMT	PAPSS2	ANGPTL2
FOS	PAEP	SH2B3
ACTB	PTPA	AQP9
MT-ND1	NPR2	GTF2A1L
LRP2	NPPC	MIR99A
TCTN3	NOTCH1	CARTPT
DSP	FEM1A	FERMT3
IFT80	PRKAA1	MIR135A1
ESCO2	PRKAB1	PRKAR2B
SIX1	AVP	EDN2
GATA3	SQSTM1	HSD17B2

HIF1A	CDKAL1	SERPINA4
FH	PKD1	COPA
MT-CO1	PLAT	PLIN3
BDNF	PCSK1	MIR574
DROSHA	PCNA	MMP26
DIAPH2	TMED7	C1QTNF3
PGR	PLXNA2	MIR103A1
CIITA	IL22	AQP7
KCNJ5	SERPINB2	TACR3
B9D2	NOS3	TOR2A
BMP4	BAAT	TBC1D4
SST	PSMD9	BCO1
AFP	MIR323A	AKAP8
CHRNA1	S100A6	SGK3
FGF2	SET	MIR136
ANOS1	SFRP4	SORBS1
ALG8	SGTA	AOPEP
TRAF3IP1	CGB8	FGF13
HLA-B	KITLG	AFM
SATB2	MFAP1	COL8A1
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VIM	COX2	GPC4
TMEM138	REN	MEP1A
FAT4	RUNX2	UCN3
JUN	ATF4	ANGPTL6
UGT1A6	MSC	KLF7
SHH	PTX3	MIR760
ERBB3	MOK	SLC5A3
SOX3	RNR1	MIR151A
CDC73	RB1	SORCS1
CDH2	MTNR1A	SUMO1P1
HPRT1	MUC1	ANGPTL1
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CHRNB1	NOC2L	METRNL
SCN1A	INHBA	USP34
CCND2	ELANE	MIR592
BUB1B	DCTN6	LEAP2
RAB3GAP2	GATA4	HSD3B7
PTGS2	RBM45	MIR1294
UGT1A8	EDN1	TM4SF4
CFTR	AGTR1	NENF
SMC3	COMT	MIR518C
MSX1	GPX1	CTBP1-AS
HAX1	HSPA1A	LNCSRLR
ZNF423	ZNRD2	LINC02402
LIMK1	PRDX4	LNCOC1
MYH8	RNU1-1	
WNT5A	ADM	
MLX	GPX3	
SALL1	HSPB1	
BCL2L1	EPHX1	
TTR	IAPP	
GAPDH	INSL3	
GLI1	AGER	

AIP	GH1
CYLD	H3P23
TH	TICAM2
NEK8	APRT
SRC	ACAN
CTLA4	AQP8
ESS2	CYP1B1
WNT4	IFI27
GHR	DCN
CFB	AQP7
CAV1	MSTN
BCL2	CGA
CHRNA4	INHBB
B2M	CGB3
CSF3	GPR83
SERPINA1	IL17A
ADAMTS13	DBP
DCTN1	KRT16
AGK	RHOG
BAX	FCGR1B
ENG	TMED7-TICAM2
TBX3	ANGPTL2
RUNX1	HIF1A
ALDH3A2	HP
UGT1A9	RAD50
GDF6	AKR1B1
CXCL12	NR4A1
TNXB	LINC01672
DES	FCGR1A
VCAN	HHEX
HNF4A	FKBP4
AFF2	HLA-A
DVL1	MMRN1
NDUFAF2	LPL
RASA1	AQP9
IL2	CCN2
IFNG	HTC2
CEP57	HOTAIR
KRT7	LOX
SNAP29	FCGR1CP
ZMPSTE24	FGF2
AOPEP	FABP4
MPV17	FABP1
KDR	F3
GATA4	LPIN1
SHANK3	THBS1
NSD2	ECI1
NKX2-5	DECR1
H2AC18	TFAM
ATRIP	TFAP2A
BSCL2	SLC47A2
IL1A	CTF1
CXCR4	TLE5
IDH1	DAPK1

GNRHR	DDIT3
PLCG2	TIMP1
PIK3R2	DBH
PAX8	CRISP2
STIM1	C3
BAZ1B	TPT1
ANTXR2	ANGPTL6
PROKR2	CYP51A1
CP	TNFAIP3
FLNB	TNFRSF1B
SEC23B	CYP3A7
TFAP2A	TOP1
NOG	CYP11B1
FLT1	CYC1
TET2	TM4SF4
PROM1	TIMP3
MIR221	TIMP4
GTF2IRD1	TLR2
COL4A1	CTLA4
MYCN	CTNNB1
PSMB8	TPM1
NAGLU	CTRL
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SPP1	CYBB
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CLU	SLC30A8
MYHAS	S100A1
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FN1	F2
CSF1	BMP4
HLA-DRB1	SLC5A3
GLI2	SLC6A2
GTF2I	NCF1
DYNC2I1	EREG
NEK9	ERCC2
IFT27	ARHGAP9
RAB3GAP1	FBRS
MT-ATP8	SFRP5
SLC2A2	S100A4
AAAS	S100B
AGTR1	TSPAN31
AGT	SCD
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RAD21	FGG
GRIN2B	FGF13
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ABL1	SELENOP
CASR	ALDH1A3
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MYO5A	BMPR1A
KITLG	SLC18A2

PRKD1	SLC22A1
NTHL1	DOCK1
TLR4	STC1
ETS1	SULT1E1
PAFAH1B1	DNMT3B
SLC52A2	DNMT1
ITPR1	TAC1
FANCA	TACR3
WNT10A	AFM
BMP6	NQO1
NDUFS4	DHCR7
FGF10	MIR592
RAB23	DRD3
FGF9	PRSS55
FOXC2	ATN1
YAP1	SLC22A3
FOXE1	EPO
C8orf37	SNAI1
ENPP1	EPHB2
DGUOK	EPHA7
EZR	AHSG
DCAF17	EGR3
STAT5B	EDN2
F2	ABCA1
FGF23	SREBF2
TTN	SRF
AHSG	ADAMTS19
MYH9	BEST1
KRT19	PEA15
MAX	HSPB3
NKX2-1	SELENBP1
ADCY6	ACVR1
HMGA2	SORBS1
GSTP1	UCN2
CALB2	CECR
MMP1	CIB1
DHX37	CAP1
ALK	CDX2
MVK	ANGPTL1
BIRC5	CCT
CYP1B1	STUB1
CDH3	CBFA2T2
EDAR	POSTN
CDC45	IGF2BP2
COQ8B	TNFSF12
CLIP2	TCFL5
CYP11B1	CBS
EIF2B4	FGF19
MSLN	FADD
IL1RN	TNFRSF10B
CSF2	POLD3
ITGB3	CCN4
NFKB1	HDAC3
HDAC9	CCK

NF2	ARHGEF7
ERCC3	KHDRBS1
PRKCA	KHDRBS3
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AQP2	SLC33A1
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CDC25A	ROCK2
EPO	NR1H3
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HERPUD1	INSL5
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PLAU	CD59
SUCLG1	CD68
PARP1	GREB1
THBS1	CD69
SPIDR	USP34
RPGRIP1	PCLAF
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EIF2B5	TNFRSF8
CSF1R	FADS2
TGFA	ACVR2A
KIF3A	AKAP8
ALPP	CDKN1B
HUWE1	CDKN1A
PIK3CG	IL32
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PACS1	ACVR2B
WASL	NAMPT
LAMA3	KL
POLR3H	FEM1B
CTNNA2	FTMT
CEP164	SFXN1
PTH	PGR-AS1
MAOA	ELM01
CCR6	PRDX3
TFRC	SERPINA12
CTSD	CPB2
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TIMP1	PWRN2
HGF	DHRS11
HOXD13	LAP
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WFDC2	CALCA
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SP1	COPA
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USF3	CPT1A
DGCR8	AIR
F3	WFS1
LOX	WNT1
ABCC1	WNT5A

NSDHL	WNT8B
SCT	TMEM120B
MIR143	OR2AG1
UFD1	XK
IGF2R	XRCC1
SLC12A2	YWHAZ
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CRH	CSF3
CTSB	CREBBP
GRN	CPT2
GREM1	TMEM18
CD34	FLAD1
MIR9-1	CYP2R1
PIBF1	TADA1
IL6ST	LEAP2
FBN2	CASR
IL4	SLC5A11
FANCD2	SPZ1
CD27	C1QTNF3
GDNF	SORCS1
AGPAT2	GABARAP
SIX5	ATAD1
ATP6VOA2	LINC02605
NUP93	CHM
ALX4	INSL6
CDKN3	NROB2
PIK3C2A	CASP9
CDK2	NCOA4
HDAC1	PNPLA3
DMRT3	FGF23
MIR4713HG	DRAM2
PIRC66	MAP1LC3B
ILK	CNP
TNFAIP3	NCOA3
SELE	NRIP1
SYP	SPPL3
MLXIPL	MRO
TXNDC15	IMMP2L
BUB1	CASP7
TBL2	BCAR3
COL7A1	GLIPR1
AQP1	BDNF
AXIN1	MMP1
VCAM1	MUC5AC
GNAQ	MUSK
PTHLH	FAS
CLDN4	SERPINC1
NFKB2	ATD
LBR	NBN
COQ2	HCG26
DCLRE1C	NFIC
HFE	CCN1
TEK	IGFBP6
TKT	IGFBP4

GGT1	NHS
AURKA	NNMT
RPS6KB1	IL1R1
TUBA1A	IL2
PDE6D	ITGA2B
RFC2	ISG20
HBA2	MPG
VWF	MPO
FAN1	IRF1
DMRT1	MIR151A
SLC6A4	CXCL10
MAGI2	MIR335
POU5F1	MT1L
KIAA0319L	IL11
MIR106B	IL7
NDUFS8	IL2RA
PHB	MTR
FEN1	NOS2
FKBP10	IGFBP2
TFAP2B	HSD17B13
SMARCC2	HSP90AA1
DGCR5	HSPB2
PTK2	INSIG2
CCN2	DCTN4
OCIAD1	HSPA9
LIPE	HSPA5
SERPINC1	HSPA4
FBXW7	HSPA1B
SLC34A1	PDE8A
RBPJ	PDGFRA
HLA-DQB1	IL23A
BMP2	GDE1
NPPA	PKD1
CHEK1	DNAJB1
SHOX	TAS2R13
APP	NOTCH3
ADCY10	NPPB
HDAC4	NANOS3
MIR182	ROR1
ARMC5	P2RY2
CD4	IDE
TIMP2	PAFAH1B1
PRDM5	PRDX1
RHO	APOC1
LAMA5	TNC
FGF7	HTR2C
C4A	PAPPA
HMOX1	PAX6
MIR126	PTRH2
MIR141	LUM
CASP9	FADS1
MIR29A	LGALS3
GLIS2	LCT
STAT1	MIR224

MIR140	MIR23A
PSEN1	MIR23B
NCAM1	MIR25
PIK3CD	MIR26B
HSPA5	SUM01P1
NODAL	MIR28
MIR22	MIR29A
PAPPA	MIR29B1
KL	MIR29B2
IFT20	MIR203A
QRICH1	MIR200B
ABCC8	LYN
HDAC6	MIR106B
WWTR1	MIR130A
LMNB2	MIR130B
ABCG2	ARNTL
PDSS2	MIR142
AGGF1	CIMT
MAPK14	LRP5
CEP250	LPP
MMP7	MIR181A2
PALLD	MIR182
KARS1	MIR186
CST3	MIR19B1
CRYAA	MIR30C1
VEGFC	MIR30C2
PSMB4	LALBA
TUBB	GSTK1
BMPR1B	MCM2
RPGR	MCM7
PRLR	MDM2
SERPINA3	JUN
ERBB4	JAK2
SMAD2	ITK
FLI1	MAP3K4
NQO1	MEP1A
CTTN	ITGB5
AFF4	MELTF
MYH11	ITGB3
MAPK8	MIF
SMARCAL1	MC3R
SMAD7	ARSD
HSP90AA1	C1QL3
GSK3B	MAP3K15
PROK2	MIR99A
SLC6A3	TNFSF12-TNFSF13
DRD2	MAA
TFAM	LIN28B
SPARC	SMAD1
NLGN3	C1QTNF12
PLA2G6	SMAD4
MIR93	SMAD6
TPO	KNG1
LHB	MAGEA11

TOP2A	AREG
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PCNA	HSD17B4
CFLAR	SLC2A4RG
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LRPPRC	MIR491
SLC9A1	SERBP1
MUC5AC	ARID1B
SOD1	SEMA6A
RINT1	CFAP97
NBAS	PRPF31
HLA-G	APPL1
SGPL1	GAPDH
ATP2B3	TRIB3
CHGA	RAD54B
TNFRSF1B	ZP4
PTGS1	NEGR1
SLC25A1	MIR451A
MNX1	GATA1
CLDN3	C2orf83
NRG1	FEM1C
LRBA	GGT1
CXCL10	PYY
EIF2AK3	CHPT1
CUX1	ADAMTS9
IFT122	GREM1
DIABLO	GCKR
PLAT	GCK
PER2	PTBP1
ITGA6	FGF21
IFT57	PTGDR
ZFPM2	FBX08
HOTAIR	ACTA1
TNNT2	SLC37A4
PDE11A	G6PC
MALAT1	FLNA
TUBB3	RNF6
SYNGAP1	RNU1-4
IFT52	GAS5
ADD1	ROCK1
KRT14	TAB2
PLAUR	MCF2L2
MIR142	RPL3
PLIN1	RPL36A
BGLAP	MIR483
CCNE1	FOXO3
INHBA	RPS6KB1
CYP11B2	RPS26
PLEK	FMR1
EFEMP1	RENBP
CACNA1H	PTBP2
NCOA3	NEIL2
SCARF2	RAB5B
MT-TT	RAC1

SOX11	FSHMD1A
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LGALS3	SGK3
SMAD6	RASA1
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PTH1R	LGR6
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ITGAV	BCL2A1
CDT1	PPP1R13B
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LEMD3	PDPK1
XPA	HLA-DQA1
MIR25	BCO1
ARHGAP31	PRKAG3
IL6R	PNN
TBC1D20	NANS
RREB1	ANXA5
ECE1	WNT4
GAD1	HAS3
ITGB1	HAS2
CXCL1	HAS1
MRPS34	PON2
UMOD	GYS2
USP8	CCHCR1
CEP55	PLAUR
ST3GAL5	HMGB2
ITCH	APEX1
AIFM1	ARID4B
MIR30A	SERPINF1
SCN9A	STK26
CD8A	ADA2
LEF1	PF4
NRP1	HRAS
FAM20A	PHB
HSPA4	HNF4A
YBX1	HMOX1
HSPB2	MIR30A
CLUAP1	PIK3R2
PRODH	HMGR
SOCS3	GTF2H1
HOXA11	PPARD
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VANGL2	TOR2A
ACACA	SGSM3
NTS	PRKAR2B
SYK	DESI1
XIST	HPGDS
MIR125B1	DMAP1
SRA1	MAPK1
HPSE	AGO2
COQ6	MAPK7
NR2F1	GIP
SLPI	GHR
LIF	PRLR

HADHA	PROC
CLTC	GNAQ
GCK	GNB3
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HSD17B1	GSTM1
NPPB	PYCARD
SIM1	PPP1R3A
DNAH11	FLVCR1
GNB3	SLC47A1
DDX59	CTBP1-AS
GSTT1	PPP5C
IFI27	PPT1
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CAVIN1	MIOX
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CREB1	MMP26
TSHR	
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TIMP3	
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TRPV1	
CCNA2	
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ACTC1	
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STAG2	
CBX2	
GNAI3	
DGCR11	
MICALL2	
ACVR2A	
CKAP2L	
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ABHD5	
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IL1R1	
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FIG4	
HLA-C	
LOXL3	
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SF3B1	
SOD2	
SMARCD1	
ZP3	
INS-IGF2	
BUD23	

LEFTY2
TNNI2
STS
HBEGF
AREG
CHRNA7
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AMBP
CFL1
CYP3A4
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NCOR1
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OXT
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GALNT17
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FERMT3
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UGCG
XRCC5
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AKAP1
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TOX3
CDH11
FGF4

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CDK10
SRSF2
JUP
ARNTL
SEC61B
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GLS
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ANXA2
ACVR1
ACVRL1
KRT17
NEUROD1
ZNF217
SPRY4-IT1
GALE
CCL3
KRT8
LIG1
PLXNA3
PNPT1
SPATA7
MLANA
ZP2
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CRHR1
DYNC1H1
PRKAR1B
TGIF1
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PHKA2
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ACVR1B
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MCPH1
MMUT
KAT8
ADM
NHEJ1
GSC
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KIF11
CFAP300
SELL
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M6PR
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UBA1
PDE4D
CDK5RAP2
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GJA4
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MIR19B1
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SLX4
CDK20
FZD4
ANO6
NEB

ANGPT1
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MDC1
HEY2
SSTR1
EMD
G6PC1
PRKACG
NCOA4
ABCB4
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NLRP5
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GRIA1
APRT
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MB
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CEP97
TMEM17
LPA
GCM2
CSH1
KRT1
CNR1
PIK3CB
PKD1P6-NPIPP1
ACE2
LAMB1
HNMT
GALNT3
CAT
ADCY5
MIR193B
EML1
PI4KB
CXCR2
DDB1
EGR1
CILK1
TBX2
AGTR2
LTBP1
PARK7
DHDDS
SYNE2
HSD17B2
CHI3L1
KCNA5

MCM2
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ABCC6
CPB2
FJX1
MEIS1
RIPPLY3
GDF2
TACSTD2
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TENM3
NEUROD2
SMARCA5
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MERTK
PAX9
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PTPN1
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SGK1
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HAND2
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IGF2BP2
POC1B
ITGA4
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EPAS1
WDR1
UFSP2
ABCA7
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DNAH9
GAB1
MTMR6
TERF2
CUL3
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NEDD4L
CORIN
PLD3
PODXL
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ZFPM2-AS1
BDKRB2
OTOA
MSTN
DRD3
NEK2
GUCY2D

PRKD3
OPRM1
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TUBB6
ITGB6
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ABCC3
RPS6
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HDAC5
PDSS1
UBB
STUB1
JAG2
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ABHD11
CEBPA
CSH2
BAG2
RHEB
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ALPK1
UCP1
SPAST
CEP89
FLAD1
PGRMC1
NFE2L2
RAB3IP
ACVR2B
ATF4
MAOB
HYOU1
STAG1
GC
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TAC3
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STON1-GTF2A1L
MAPKAPK2
GPBAR1
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ADAM12
CHRNA4
CENPC
PRKACB
YWHAZ
CCN1

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LPP
IQGAP1
PLXNB2
PMEL
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GEO (GSE5850, GSE98421, GSE34526) Genes present in at least two databases

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LPL
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TIMP3
TIMP4
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EDN2
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TNFRSF10B
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KHDRBS3
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ROCK2

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BCAR3
BDNF
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FAS
SERPINC1
ATD

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IL7
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INSIG2
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HSPA5
HSPA4
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PDK1
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PRDX1
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HTR2C
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FOXO3
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FMR1
NEIL2
RAB5B
SGK3
RASA1
LGR6

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PDPK1
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PRKAR2B
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AGO2
MAPK7
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GHR
PRLR
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GPER1
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MSH6
CEP290
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BLM
KCNQ1
NPHP3
FOXL2
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MKKS
ATRX
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COL3A1
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EIF2B2
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CD40LG
DGCR2
DNMT3A
LRP2
AFP
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ANOS1

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BMPR1B
DRD2
SLC9A1
SOD1
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THBD
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