

Supplementary Table 2. Genes extracted from the analysis of the microarray related to the breast carcinoma

TXNIP	TNFRSF11B	CXCL12	ENPP1	HAS2	RRM2	VEPH1	MYBL1
ANLN	ACAN	LRRC17	TOP2A	CDK1	PBK	CCBE1	EXOSC7
CLEC3B	BMPER	COL13A1	ADGRL4	ASPM	VCAM1	SERPINB2	DLGAP5
EPHA3	MEOX2	TOX2	ADGRG7	HMMR	ESM1	KIF20A	CA12
PTPRB	CRIP1	HAPLN1	EBF2	PCDH10	PTX3	NUSAP1	SCN9A
NUF2	KRTAP1-5	CDC20	DTL	CNIH3	BIRC5	SHCBP1	NEK2
KIAA0101	CEP55	TTK	KNL1	STMN3	BUB1B	MOXD1	IL7R
DIRAS3	PLPPR4	LRIG1	NCAPG	CENPK	PRC1	KCNAB1	NEFM
ANPEP	PRR11	CDCA2	FGF5	BUB1	KCNK2	TK1	HMGA2
UBE2C	CCNB2	IL27RA	CENPE	TRH	CDKN3	FRMD4A	APOBEC3B
VAT1L	TFPI2	UHRF1	LINC01119	MIR31HG	FAM83D	NDC80	TEK
TMEM155	OPCML	AURKA	DEPDC1	ADGRG6	CXCL6	FOXC2	ACKR4
KCNQ5	LMNB1	CENPF	TPX2	ITGB8	KIF4A	HMGB2	GALNT5
INHBB	FGF2	BAALC	CCNB1	E2F7	LY6K	GAS2L3	MAP3K7CL
PKIA	CENPU	ST6GALNAC5	NTF3	AOX1	TMEM246	PTN	PTTG1
TRERF1	AURKB	DPYD	FBN2	ZNF880	NT5E	TYMS	RAC2
B3GALT2	CSGALNACT1	RGS7	TBC1D2	KIF2C	CYTL1	ARRDC3	CCNA2
LEP	MKI67	HMGA1	SRPX	SCUBE3	SLC22A4	FLI1	LIN7A
TMEM158	MCM10	LOXL3	FAM167A	PHLDA1	LOC102725271	NTM	GIN52
WNT5B	TMEM178A	CPED1	PCOLCE2	WNK4	IL33	TNXB	TNXA
SLC38A5	HJURP	SSTR1	ATP8B1	CLDN11	PSMB9	POLE2	AK5
CKAP2L	GREM2	MCM5	SLC35F6	CENPA	CRIP2	SMAGP	ARHGAP22
HAS1	MET	GTSE1	FOXL1	TFPI	CDCA3	SHC3	KIF11
TM4SF1	FGL2	RAD51AP1	CCNE2	HECW2	DPT	HHIP	PDE7B
OIP5	ARNTL2	PSRC1	HRH1	FMN2	GPR68	CDC42EP4	LPCAT2
FOXD1	RNF128	ENO2	COLEC12	RACGAP1	SLC4A4	SGIP1	FOXMI
PDCD1LG2	BRIP1	TCF19	SPAG5	LOC105379362	CD274	SRGN	ADAMTSL1
KIF18B	PHF19	FKBP5	KRTAP1-3	AHRR	LOC102724951	LOC389831	KIF14
TRIM14	IL32	LOC102724352	LOC101930593	PCOLCE	FAM72A	FAM72D	FAM72B
FAM72C	DDX60	LOC102724229	RASA4B	RASA4	MMP1	CSPG4	MTSS1
SPAG4	BLOC1S1-RDH5	RDH5	ERAP2	ZMAT4	MECOM	TGFBR3	IFI44
CTSC	LPXN	CFHR1	CFH	SFTA1P	IRX3	CDK15	ARSJ
CNTNAP1	ZNF367	SMC4	STEAP3	STAMBPL1	MFAP2	LYPD6B	KIRREL3
RALGPS2	NEFL	RGMB	PLK1	RNF150	PPP1R3C	IQGAP3	MAD2L1

ADAMTS6	XPNPEP3	HELLS	NCAPG2	HYI	LOC101927 933	LRRC8C	CADPS
CDT1	GJC1	ANGPT1	NHSL2	ZNF274	GBP3	C18orf54	ZNF395
CDC45	PODXL	TCEA3	EBF3	CBR3	CHAC1	LOC10537 9499	FLJ45482
EMB	SPC24	ARHGAP18	CEP152	CLMP	PLEKHG4	NCEH1	CH25H
MASP1	FBXO16	BARD1	C5orf30	NMT2	UGCG	RNASEH2A	PYROXD2
MIR210H G	NDUFA4L 2	PTGIR	CYP26B1	FOXF1	SMIM3	BTN3A3	SORCS2
CMAHP	FANCD2	ATAD2	ECT2	TGM2	LURAP1L	RPL22L1	LOC10050 7353
CACNA1A	IRX5	PROCR	NCAM1	WHSC1	FAM20C	RIMS1	SIX1
KAZALD1	TIAM2	RGS10	TRNP1	TNFAIP3	SMC2	ZBED8	CDCA8
TRPV2	DMD	GFPT2	CDCP1	EMP2	LINC00960	SDC4	LDB2
MT1F	BDKRB2	GINS1	LRRN4CL	HHIP-AS1	AMPD3	COL21A1	TRIP13
OLFML2B	ADIRF	RAD51L3- RFFL	RFFL	HDAC9	GPSM2	ZNF664- FAM101A	FAM101A
NCAPH	SAMD3	NXPE3	NEDD4	PDE1C	NOL12	TRIOBP	CDCA5
PGM2	DKK1	TMEM204	PDE11A	GLRB	SGO2	SPDL1	POMZP3
APOLD1	LOC10192 7204	MED30	TUBE1	PTPRF	FAH	APCDD1L	SHROOM2
HOXB6	LRP11	GPAT2	LOXL4	ANKRD29	TRIM61	SMURF2	PMAIP1
CCDC85C	FANCI	ASF1B	ANKRD44	KNSTRN	LXN	RAD54B	CDC6
EGR3	MALL	LINGO2	ALDOC	DOCK5	TNFAIP8L1	MCM2	PI16
ERCC6- PGBD3	PGBD3	ERCC6	SNHG24	SYT1	FCRLB	RTEL1- TNFRSF6B	TNFRSF6B
FAM107B	TBXA2R	CCDC58	FBXO5	MIR612	NEAT1	TOR4A	MIR8085
BCL3	TROAP	EGR1	GPR39	ZWINT	MYOCD	LINC00936	LOC10193 0578
MRPS31P 5	THSD1	DDIT4	NDE1	CDCA7	CCND1	VEGFC	MT1X
PORCN	AMPH	SAMD9L	PRKCA	FAM171B	NRK	CENPW	ARHGAP2 9
KIF20B	TACC3	CKB	ZFP37	ANGPTL4	PDGFC	SYNPO	CENPN
CKS2	PPFIA4	EPHB1	PRSS12	SPOCK1	ZP3	BNC1	BAIAP2L1
MT2A	APOBEC3 G	TAPBPL	CDCA7L	QSOX1	C1orf54	DRAP1	SERPINE1
ATP2B1	LACC1	MIR675	H19	TRPA1	ACADVL	CDH13	TAF1A
IGF2BP2	BRCA1	RASA4CP	TNFSF15	GPR85	MT1HL1	ALCAM	SOC55
MT1E	MNS1	CCDC88A	UPP1	HRCT1	WISP1	MT1H	DOCK4
PDK1	SLC9A7	ORC6	RELN	CLK2	BTN3A2	MRGPRF	DDIAS
CNKSR3	FANCG	P2RX5	ITGB3BP	ACRC	KCTD9	POPDC3	ENOX1
ZIC1	FGD4	ELOVL6	OVCA2	DPH1	CMKLR1	SERPINF1	FAM155A
TCEAL7	WDR54	CITED2	SKA3	BEND6	SETD9	TIAM1	TPBG
LINC0111 1	ZNF766	BDNF	ERO1A	ETV1	ASL	FAM64A	PSD3
RUNX1- IT1	CDH4	ABI3BP	PRIM1	GAMT	BST2	CCR10	GDF5
GALNT12	KIAA1551	LTBP1	CYGB	FOSL1	FAM111A	ENPP2	IRF2
TWIST2	FAR2	UBE2T	OSBPL7	EZH2	HOXA1	PDIA4	ADTRP
MIR7703	PSME2	KIFC1	PLAUR	IL15	NEK3	SMS	NPR3

STK17B	AHR	TMCO6	NUP37	TIGD7	RMI2	MANBA	DNMBP
MIR6787	SLC16A3	SPATS2	ROBO1	DCBLD2	NGF	KIF23	FCHSD2
STXBP6	PSIP1	GTF2H2B	STMN1	TDP1	DEPDC7	PTGS1	RRM1
CD248	SAMD12	HPRT1	PSMB8	PDXK	PER2	TMEM200A	NRXN3
GALNT15	UAP1	SYT11	RNF182	DENND1A	LOC102723983	DAZAP2	LINC00662
GTF2H2C	GTF2H2	SLC35E4	GYS1	FBLN7	WNT5A	WFDC21P	LOC100506844
GATA2	CCDC85A	CHEK1	BST1	PRR16	VEGFA	DIAPH3	LSAMP
CAMK1	TUBG2	SNHG1	SNORD22	SNORD25	SNORD26	SNORD27	SNORD28
SNORD30	SNORD31	SNORD29	ITGA7	RRP7A	TOM1L1	EMP3	CHEK2
JADE2	MIS18A	C12orf75	RAD51	NR3C1	P3H2	ECI2	KCNC4
LOC100288152	NEDD9	HSPB6	SCFD2	PLA2G5	BAIAP2-AS1	CRELD2	TRIB2
CFLAR	ZFAND1	PGAP1	HOXA5	HILPDA	MCM4	GSAP	LINC00607
HOXB7	IL6	CPT1C	B4GALNT1	NALCN	TNC	SH3BGRL3	ITPR3
IL1RL1	DTWD1	GCNT1	DOK5	METTL26	MELK	PSMC3IP	DBF4
CSMD2	PLA2G4A	DONSON	NBR2	CCDC34	LSM6	RASA1	CDC42EP5
ULBP2	LMNB2	MEG3	P3H3	EVC2	TENM2	MARCH3	SIPA1L1
NHLRC2	LINC00938	MDM4	STEAP1	KHDRBS3	HAUS7	LBR	GORAB
CRABP2	ANKRD28	VRK1	PPWD1	SHROOM3	ESPL1	PRKD2	CD44
LOC101930476	LINC00476	KLHDC1	TGFBR2	PRDM1	HOXB5	NLN	TCP11L1
USP13	KRTAP1-1	LOC102606465	MIR1178	CIT	ADGRE5	LRRC15	PLAT
AXL	KRTAP2-3	KRTAP2-4	WDR5B	GNDF	FHOD1	EVI2A	TSPAN4
RAB27B	POC1A	FST	WISP2	RFC3	TGFB1	SIGIRR	MIR3917
MIR100HG	ATP2B4	C8orf34	ZMYM1	NUDT12	NUDT6	CENPM	NRP1
CCDC28B	AGMAT	SAP30	MCM6	MPHOSPH9	PDSS2	ASAP2	TRIM59
C5orf34	MT1G	SHANK2	LOC100653049	KRT34	TMEM39B	ASMTL	ZWILCH
SESN2	SCG5	FANCL	LOXL1-AS1	LOC100310756	DHFR	GJA9-MYCBP	GJA9
MYCBP	SLC2A1	ARHGAP19	SHTN1	FAM216A	PDGFA	SLC8A1	GPD2
NUCB2	LYPD1	PTGR1	P4HA2	ATP11C	RAB3B	DAB2	FIBIN
CDCA4	ALMS1	TBX1	PDIA6	RAMP1	CAV1	PXK	MLPH
GMPS	VAMP5	SLC43A3	SEPSECS	GPI	LOC101927446	GTPBP10	ITGA5
FABP5	PRSS3	MOV10	GRAMD1B	CCDC93	ILF3	ADPGK	FAM167B
SHROOM1	LOC101929761	ZC3H6	EFHD2	SRSF7	TAF1B	PLIN3	IP6K2
RTTN	PFKP	GSTM3	DUSP6	SLC6A6	LOC101930053	LOC101930048	VLDLR-AS1
STC1	STARD10	LOC101929398	CCNF	MIR5193	UBA7	SVIP	CEP135
CKAP2	SIX4	OLFML3	BNIP3	SLC2A4RG	ERO1B	TNFAIP2	CCL2

NUTM2B-AS1	ZSCAN26	KCNJ2	DOK1	NFYA	RAPH1	WEE1	CXCL5
ago-02	H1F0	MCM7	KCNT2	NCAPD2	H2AFX	C17orf58	PFKFB4
ADORA2B	ZNF844	PNISR	HOXD8	CENPV	MGARP	MSH2	PLCXD1
RECK	TIFA	SEMA7A	NRP2	TREX2	ADAMTS1	RGCC	H6PD
ELK3	MVB12A	RPL39L	RAP2B	SMYD3	CLEC11A	SLC12A8	MOB3C
DUS4L	KIAA1549	XIST	FAM206A	SNRPA	EPSTI1	MICB	NCKIPSD
FXYD5	UXS1	DOCK1	THAP6	LRRC49	METTL15	GALE	BDKRB1
CETN3	BACH1	ABLM3	IFITM1	ARFRP1	FUBP1	ITGA2	ZNF514
PTGFR	ANKRD35	DDX11	NEDD4L	SPIN4	HDGFRP3	HSDL2	CXorf23
LRBA	ARRDC4	DPYSL4	GSDMD	MRPL23	TLDC1	COQ5	KCNG1
NME3	MMP19	FAM171A1	ZNF555	PPP2R5A	MASTL	SLC9A1	SHOX2
PLOD2	REEP4	RRAS2	PYCARD	SYNE3	LINC00341	RFC2	NET1
SREK1	SNORD10	SNORA48	SNORA67	EIF4A1	MTMR11	NUP107	PIBF1
MCTP2	RBM43	CCNYL1	ASPH	ERP44	PHLDA2	RSRP1	IL10RB
DERA	NOTCH1	CARD10	ACD	PCBD2	LRIF1	HERC4	MME
PDGFRA	TMEM91	MCUB	EML2	LINC00116	PAICS	PLA2G2A	PDLIM3
NSMCE4A	C16orf45	RPA3	PTGER1	FTSJ1	HDDC3	WBP4	STK32B
APPL2	SSBP4	DTYMK	H1FX	HERC2P9	HERC2P2	THUMPD2	KCND2
NMRK1	ZKSCAN7	HFE	GPHN	RARA-AS1	HOXA11	FAM24B	MOK
RMI1	RNASET2	TMEM39A	TMEM216	TWIST1	LOC100509457	HLA-DQA1	USP6NL
PARP2	B4GALT6	CSF2RB	LRRC8D	BTN3A1	MRGBP	NFKBIE	G2E3
CHD1L	RNA45S5	MACROD1	INPP5E	ENKD1	ADGRL2	CRYZ	DSN1
BCAP29	COPS6	BCR	ZMYM6	C15orf52	GSTA4	TAGLN2	BCL10
TMTC4	TNS3	TBC1D8B	ACOT7	GIN1	TMEM35B	FAM213B	S100A10
CBX5	KCTD16	TBC1D1	PSME1	RASA2	CDKL5	BAG2	C1GALT1
STK17A	IFITM2	ZCCHC9	DISP2	HK2	SERTAD2	C11orf68	LOC101930404
SNORD116-28	SNORD115-26	SNORD115-13	SNORD115-7	SNORD116-22	SNORD116-4	PWARSN	SNORD107
IPW	N4BP2L2	MIOS	SLC20A1	TAF5	PPT2-EGFL8	EGFL8	PPT2
TENM3	BBS10	ATP7A	KHDC1	DNAJC10	POC1B-GALNT4	GALNT4	PRUNE2
ZNRD1	GALK1	PPCDC	PKN2	AMIGO3	GMPPB	SPTLC2	RHBDF2
S1PR3	SLC25A22	ZNF700	HN1	ZNF788	GAPDHP62	ANKRD46	CYR61
AHSA2	OSBPL6	MAGOHB	MDC1	EPG5	TGDS	SOCS6	AGPAT5
SLC39A10	BORA	IRAK2	C12orf65	SNRPA1	KIF22	PLOD1	LOC100132167
STX1A	RFX2	SLC35G2	LOC154761	FAM57A	MIR7110	PDIA5	TMLHE
TIPARP	IGFBP6	XYLT1	ELAC1	PANK4	NOP9	MAT2B	HAUS3
EBPL	C12orf76	NDUFA12	ATP6V1G2	PITPNA-AS1	RWDD2B	FAM162A	GTF3C3
HAUS1	MYEF2	ZNF606	GPT2	ANP32A	CDC25A	SAMD9	SNED1
CEP192	PTCD2	NPHP3-ACAD11	ACAD11	NPHP3	SPATA6	NFKBIZ	CDC42EP2
MAPK12	C4orf46	XYLT2	NOM1	C5	PWP2	CCNG2	SLX4IP
BCKDK	RSPO3	MIR4784	MZT2A	MZT2B	FCHSD1	ADRA2C	ATP13A2
ZNF404	NHS	RGS2	MGC24103	LPAR6	SDHAP2	LINC00969	SDHAP1

OGFOD3	HSPB7	NARR	RAB34	USP1	CD109	ERN1	FGF7P3
FGF7P6	FGF7	TBC1D4	RCN3	EPHB2	ZNF85	AK1	RCCD1
CDK8	FAN1	ILF3-AS1	CASP8	MRPL39	GOLM1	EMILIN1	TBRG1
PCED1B	IL20RB	AP4M1	LINC01116	FUT4	JRKL	TRMT1L	SENCR
HHIPL1	ZNF671	ABCE1	TJP2	FAM234B	LDOC1	TBL1X	PARP1
TUBG1	LPCAT4	NPDC1	LOC654342	LOC645166	EGR2	SP4	FUS
ZNF451	CARM1	THSD4	PTPN13	NOB1	ZNF692	PRIMPOL	ZNF586
FGF9	DDX50	DALRD3	CLEC14A	LZIC	EYA2	F3	ELP5
UPK3BL	POLR2J3	POLR2J2	POLR2J	LY6E	AP2B1	PPP1R35	CLIP2
SUCLG2	SLC10A7	ERVK3-1	ZNF8	AARS2	LOC100507547	PRRT1	C9orf142
APBA2	EZR	CEP70	CLIC1	PLAU	ZNF626	CD320	CAND2
MTMR9LP	ADD3	STEAP2	HSPA12A	NLE1	POLB	SRI	ST3GAL5
RNF138	EMC9	CCDC85B	PCCB	TOB2	FKBP11	CTBS	LMNA
BUB3	LOC100505555	ZNF846	TAF7	SCARA3	MPI	ZNF217	SNHG8
SNORA24	MTHFSD	LOC100287387	MIR1304	SNORD5	SNORA32	SNORA40	SNORA18
SNORA1	SNORA8	TAF1D	THUMPD3	AARS	ATP10A	SMAP2	GSTT1
C15orf41	HSP90B1	FAM149B1	GFRA1	INTS7	HIST1H4J	MN1	NIFK-AS1
TIMELESS	CIART	FSBP	PUS7L	PMM1	FBXL6	LRR1	YIF1B
GALNT10	GBE1	FBLN1	AHI1	ZNF175	NUTM2A-AS1	GMPPA	ZNF717
LOC101928747	RBMX	SNORD61	UQCC3	CERS6	ORC2	SRGAP1	TFCP2
SLF2	ADM	CKLF	HOXA10-HOXA9	MIR196B	HOXA9	PRPF38A	SFXN1
IL11RA	SRGAP2C	SRGAP2B	SRGAP2	RALB	CCNL2	LOC101929796	LOC100996763
LOC100996717	NOTCH2NL	NOTCH2	NETO2	KDM1B	ZNF277	SPOCD1	ZNF550
ERCC1	TAOK3	HNRNPH3	STRADB	PNP	DCK	USP28	TRIB3
JMJD7	JMJD7-PLA2G4B	PCSK7	APAF1	PRPS2	PHIP	NMRAL1	C6orf120
ZCCHC7	RFESD	STEAP1B	METTL18	FNDC3A	PLEKHA2	UFL1	MPP5
SLC1A1	RAP2C	GOPC	PADI2	SATB2	S100PBP	KCTD3	DNMT1
ZFP69B	ZFP62	DCPS	EEF1E1-BLOC1S5	BLOC1S5	MEIS2	LOC101927841	UBE2L6
PMS1	WDFY2	C4orf3	RPP25L	CDC42EP3	BVES	ADCY4	IKBIP
TRIM68	NCAPD3	APOOL	PFKL	COPZ1	DIAPH2	TCHP	ZNF680
TFEB	FIGNL1	TNIK	ASPHD2	CCDC163	DNMT3B	SMAD3	MPRIP
SMC5	PARVB	EFS	RERG	P4HA1	ZNF573	GXYLT2	RTN4IP1
CHSY1	SNX7	HOXB3	TPI1	ECM1	C10orf54	CKS1B	IFT80
ZNF44	HSBP1	BIN1	TRAM1L1	LOC90768	AK2	THNSL1	MIR4707
HAUS4	CHKB	PABPC1L	ETAA1	TTC31	FIP1L1	CPS1	ATP11B
RANBP1	NUDT1	PTCH1	MAPRE2	SDHAF4	ZNF7	LYAR	PYGL
DNAJC9	ZNF226	ZNF23	CSF1	LOC101060604	NIIPA5	SMG1P3	NPIPB5
SMG1P1	LOC613037	NPIPB4	SLC7A5P1	NPIPB3	ZNF300	WDR3	ZNF883

MOCOS	APLP1	RFWD3	FAM225B	FAM225A	CPXM2	TRAP1	TMEM101
SPATA5L1	TOMM34	AFAP1	CEP250	TRMT5	TXNDC15	POLA1	MBD5
CCDC18-AS1	COL8A1	MITD1	FRA10AC1	TRPC1	STYXL1	ZNF558	GLE1
GLTP	ADAM23	OGFRL1	MTHFD2L	ARL6IP6	TAP2	SEPSECS-AS1	PI4K2B
CRYZL1	MIR4453	DKFZP434I0714	CPOX	STIL	PRPF4B	TRIM6-TRIM34	TRIM34
VAV2	VRK3	HPCAL1	C17orf75	BIN3	ALKBH2	PARP4	OSBPL3
NUP155	MFSD3	KCTD6	TTC33	PEX12	CYP20A1	ARHGEF28	BOLA1
MAD2L2	SAC3D1	DENND4A	ODF2	DPH3	RBMS2	PRKCD	SORD
MCTS1	SCAI	PRRT3	FXN	DZIP3	DHRS13	PPP1R14B	IL17D
LINS1	EIF1AX	VAR5	NRM	KLHL36	IFRD1	TANGO6	GPKOW
METTLL10	TBC1D31	PHGDH	MAP3K6	ATF7IP	FBXO8	LOXL1	BNIP3L
ZNF333	SPICE1	HNRNPH1	TMEM67	KIF2A	NIPIB6	NIPIB15	PDXDC2P
NIPIA1	WDR5	LOC101929134	HERC3	ANAPC10	CHURC1	SUV39H1	ANP32E
SVIL-AS1	OR7E37P	RAB3D	WDR4	GABBR1	CHTF18	ERLIN1	GRK5
LIG1	ETHE1	FAM156B	FAM156A	RNF180	HNRNPA1	PRPF38B	MYCT1
WSB1	MALAT1	PPP5D1	RNPC3	CBX3	NASP	BHLHA15	RPL32P3
VMP1	CUL4A	ZSCAN16	FN1	MATR3	SPX	SQLE	ATP6V1G2-DDX39B
SNORD84	DDX39B	HNRNPD	HNRNPA2B1	TSC22D4	MAP7	PDCD5	APCDD1
LINC01192	DHX9	SNHG3	SNORA73A	EHBP1L1	ZFAS1	ISYNA1	ZNF207
RPL5	SNORD21	LOC102723704	HAMP	CCNL1	FCER2	ATP5C1	SNORD50B
SNORD50A	TMEM43	HABP4	SLC39A6	ACKR3	CDK12	RAD9B	SFRP4
ZNF182	GOLGA8A	MYADM12	CD58	CCDC169	BRK2	RPS14	OGT
SYCP2	RHOJ	SOC31	SLC35F3	STAG3L2	STAG3L3	TRIM73	CCDC69
RUSC1-AS1	MIR24-2	MIR23A	LOC284454	XRN1	CLIP1	GHET1	WDR63
LOC105369167	RBM20	DDAH1	ECHDC2	LOC101927482	MIR21	SNORD77	SNORD76
SNORD74	GAS5	SNORD44	SNORD47	SNORD80	SNORD79	SNORD81	EPM2AIP1
PPP2R5C	POLR3K	RBM6	LOC100129973	CREBZF	DEPDC1-AS1	ZNF517	ZRSR1
SRP19	MKNK1	HVCN1	JPH3	RPS24	TCTE3	HNRNPDL	MCM3AP-AS1
DNM1P35	ARMC9	CEP120	TPTE2P5	FGFRL1	CPD	AGAP9	KRR1
IGFBP7	RPAIN	RBM26	THRAP3	TBC1D32	SERAC1	LOC107985971	COG2
SLC24A3	FABP4	ACTA2	RAPGEF2	ARPC4-TTLL3	TTLL3	ARPC4	LCAT
ITPRIPL2	WDR61	INSIG1	ZNF224	ANK3	MCFD2	LINC01578	RRAD
PRR19	FBXO9	VIM	DENR	PCBP2	RBM25	EWSR1	RBM8A
ABCG5	STK4	A2M	IDS	MIR142	LINC00115	TUBB2B	MGC40069
TRAC	TRAJ17	TRAV20	TRDV2	YME1L1	SNORA16A	SNORA61	SNORA44

SNHG12	HGS	GJB2	NACA	CCDC30	LINC00624	CTB-12O2.1	CST11
IL4	ZNF117	CIRBP	ARHGAP21	NDUFB6	FBXO22	EXOC7	CHKB-CPT1B
CPT1B	LSMEM1	LOC401261	LOC100134317	LOC284412	LOC102724093	GOLGA6L4	GOLGA6L9
GOLGA6L5P	ZFAND5	TAPT1-AS1	S100A8	FGFR1OP2	GGN	CCDC181	SNORA70
RPL10	SLF1	AKIRIN2	L3MBTL4-AS1	AP4E1	IGFBP7-AS1	C3orf52	MGC57346
CRHR1-IT1	LOC644852	LINC01139	ZNF767P	ZNF853	NPIPB8	LRRC28	MAGEC3
RCAN1	RBBP9	PRIM2B	PRIM2	FLJ27354	SLC16A12-AS1	MIR8072	LOC100293704
ORMDL1	FAM209B	FAM209A	LOC101930303	LOC101930301	TRIM16L	PCED1A	HOTAIR
LOC100134445	MIR34A	SATB1	UGP2	TPM4	ZNF793	NRDE2	CDO1
LOC100130642	SEC23IP	LOC51145	OR7C2	DDX28	NKAIN2	BRD4	DGCR6L
EXOC6	PCDHB5	GUCA1C	NTN1	GTF2H5	MTCP1	GAL3ST4	PCED1B-AS1
GSX1	CNKSRI	C2orf88	ZNF157	LY6H	SIRT4	SPEF1	RTKN2
ACTG1P4	AMY2B	AMY2A	AMY1C	AMY1B	AMY1A	C5orf47	LINC00528
CSAD	PRSS16	TM6SF2	LINC01535	CLTA	LOC102723526	SOBP	EIF1
KLF13	ABCC5	NSMAF	TTC14	ACOX1	LACRT	ALPK1	AACSP1
TRMT13	LOC100506282	C1QTNF7	GPRI1	DENND2D	DUSP15	TEX15	TMEM44
GPR55	CP	SCARNA13	SNHG10	PGS1	LOC653602	FAM84A	MIR1248
SNORA81	SNORA4	SNORD2	SNORA63	EIF4A2	ID2B	LRCH3	THAP2
CXCL14	KLF12	SYNGR2	RPS2P45	ANKRD10-IT1	DPP10-AS1	PIK3CD	FLJ45513
TAC4	LAG3	C5orf63	LINC00619	DCTN2	CH17-408M7.1	LOC101929257	LOC101927468
NT5DC1	SLC27A6	PAPPA2	ZBED2	LRRC75A	XAF1	NT5DC2	ZNF582-AS1
LOC284513	TTC9B	NR0B1	LOC101930416	LOC101929792	LOC100996724	LOC653513	PDE4DIP
ARMC12	BCL2L1	TOLLIP-AS1	FRZB	NAV2-IT1	ARHGAP45	APOA1	C11orf45
AKAP9	CARMN	MIR145	LOC202025	CCL21	GBP2	SPPL3	CAPN3
PITHD1	PDE4A	POU3F3	CYB5RL	RNF144A-AS1	COL15A1	ADAM6	LOC101927331
SERP1	GRM1	KALRN	ARG1	PIF1	LOC728485	PCNP	ZNF655
FSD1L	MTF2	FAM131A	HIST1H3E	CC2D1A	LCA5	C9	SMARCC2
GOLGA8DP	GOLGA8F	GOLGA8CP	GOLGA8EP	GOLGA8G	MEIS3	CD28	PTGER3
ETNK1	LOC730102	GSDMB	MYL7	EPB41	SDPR	ZNF688	WIF1

SPANXA2	SPANXC	SPANXA1	LOC100506258	SFSWAP	LOC400620	HOTAIRM1	EPHX4
MIR17HG	MIR92A1	MIR20A	MIR19B1	MIR19A	MIR18A	MIR17	SYT5
HAX1	LOC100630923	NSUN6	TTY8B	TTY8	TMC8	RIMKLB	NRG1
FAM181A-AS1	MFSD6	HTR2B	LHX4-AS1	LTBP4	RGL3	PKM	MMP8
C2orf68	C11orf88	OPRD1	HEATR3	WDR78	PALM2-AKAP2	PALM2	AKAP2
MAGEA12	LIMS1	LARP4B	LRRC37BP1	EMILIN2	ZNF678	PGLS	RAB9B
CTAGE1	SNX29P1	SNX29P2	LRRIQ3	ZNF302	QRICH2	THBD	CNR1
DNAJA4	DCN	RNF125	SLC1A3	TNK2	IL4I1	NUP62	LOC101928230
OK	SW-CL58	CAPZA1	ESAM	IMMP2L	MACC1	NFE2	HERC2P7
DNAH5	FNIP1	DKK2	STX11	EHD4	CWH43	HSD17B6	NR2F2
LOC286059	DNAI2	C6orf58	CELF6	LRP1	DLGAP2	CRAT37	HNF4A
CCDC87	LINC00689	C15orf57	LOC102723897	MIR6859-1	MIR6859-2	LOC101930154	LOC100288778
WASH1	WASH7P	WASH2P	WASH3P	CTNNB1	MAP1LC3C	L1TD1	CBLN3
STX16	B4GALNT4	ABCF2	LZTS1	MGAT5B	MORF4L2	NDUFB8	TRY2P
DPP10-AS3	CEL	CCAR2	NKD2	KCNK1	PHC2	TRAFD1	DPEP3
FOXG1	PKIB	KCNE4	CCDC77	C9orf3	LOC101926963	NIN	CCDC144A
COL3A1	EFEMP1	CYFIP2	SFPQ	PAX8-AS1	UBE2I	INPP5D	SLC23A1
TSPAN16	RAB40C	PLPPR3	C1orf56	RC3H2	CCDC180	LOC100499484-C9ORF174	IQCF5
DNAH1	PLPPR5	GNGT1	DYNLRB2	MAML3	CDH1	TLR1	SP3
GPR26	TSPYL2	KRT16	PPP4R3A	CDK5RAP2	GANC	GATA3	MIR6840
STAG3L5P-PVRIG2P-PILRB	PILRB	CYP11A1	PRKD3	CFAP58	ZNF91	DNM3OS	LINC01088
TF	GRAP2	RCBTB1	F10	HACD3	SNORD96A	SNORD95	RACK1
ADAM30	RBAK	OLFM1	POLI	MSRB3	ELK4	DTX3	ZNF547
SLC39A12	CDC37L1	NT5DC4	DMC1	LOC100996412	CDH15	EDA	RUNX1T1
GPR84	NOC2L	AKAP5	ZBTB1	CAND1	TBC1D10A	PTPN12	FRY-AS1
TRAPPC3L	LOC101926913	DHX30	PCNX4	PRSS2	gen-01	STX3	MAN2A2
CREB3L1	LHX6	TNFRSF4	TRIM24	FAM90A1	FLT4	GART	PDGFB
GRIA1	TTC29	LMNTD2	FASTKD2	DBH	PTPN4	F5	LINC01133
THUMPD3-AS1	AFDN-AS1	IFT140	ADGRB2	SLC30A4	IL12A	ZFP64	MGAT4C
LOC100288893	LOC105371038	LOC284648	LOC100507634	LINC00690	SMIM10L2A	OMP	DNAJC21
LINGO1	ZSWIM7	PRKCQ-AS1	PTCHD4	PRKAR1A	CYTH2	CHRNA4	MAGOH2P

TCP11L2	INHBE	MIR4755	DGKB	LINC01588	PKD1P1	PRDM16	LOC100133039
LINC00882	HINT1	C2orf71	PYDC1	LOC101060363	PPIA	LOC106146153	SLC2A13
LRRC6	OR1J4	MIR186	ZRANB2	CCDC142	MACROD2	GNG7	RAB11FIP1
OSTM1-AS1	BSDC1	SOCS2-AS1	FRMD6-AS1	BRMS1L	LENG8	SEL1L2	METTL3
PIN4	CASP1	LAMP3	DDX3Y	CUL7	LOC101930583	GOLGA8B	FCF1
CCNT2	SALL1	LINC01364	SKIDA1	TSTD2	DKFZP586B0319	AP4B1	MMRN1
MAP3K13	DNASE1	ODF3L1	GNAL	SIM2	SYS1	DCAF16	IQCK
ANKAR	ZSCAN12	PHACTR1	CHST15	RPP30	CHST6	RARS2	CRLF1
LOC101929210	HRK	HRES1	RIN3	HPGDS	SCGB2A1	RGN	DCAF15
LOC643201	LOC105370549	LRRC10B	ZNF740	GPR65	ZSCAN16-AS1	SEC14L1P1	LSAMP-AS1
LYZL2	LYZL1	GAS8-AS1	TYW5	SLC40A1	TNFRSF13B	CAMSAP1	LUC7L3
RARRES3	NEUROD4	SYCP1	ZNF613	VTCN1	LINC00313	LFNG	LAT
LGI2	GALP	TTLL10	PLA2R1	DNAH12	AGER	LOC157562	COA1
TRAF3IP1	YPEL4	CACNB2	VPS33A	SLC25A37	DLG5-AS1	ASPA	DOPEY1
ATP2A1	KLHL35	DLG1	EZH1	LOC100128325	CALD1	IGHM	IGHG1
LOC101927257	CECR9	RNASEH2C	SPTAN1	SERPINB10	AZGP1	LTB4R	UBE3D
LOC105378749	JHDM1D-AS1	MBD4	LOC644656	LOC102723648	LOC102724611	PRDM7	OR2A9P
OR2A20P	CNTROB	FAM118B	REN	TWISTNB	ZBED3-AS1	COBLL1	LGALS3
ZNF114	GJD4	ZNF790-AS1	ARHGAP27	INPP4A	SLC39A8	TTC38	NLRP7
UNC5B-AS1	ZNF414	CCL27	ARHGEF12	THAP9-AS1	LOC102546299	MORF4L2-AS1	S100A5
LOC101928762	NTRK3-AS1	LOC101929047	HERC2P10	HERC2	CCDC106	KCNQ1DN	PHKG1
EME2	REPS1	PHF7	MCM8-AS1	SLC8A1-AS1	ANKRD13A	LOC101929188	LOC105377143
AKR1C1	CR1L	LOC101060091	HOXD4	ENTPD6	CIAPIN1	MYH14	ZNF554
LINC01492	SLC44A4	LMO4	PSPC1	SCARF2	SLC28A3	TTLL7-IT1	ADCY1
SUN1	PCDH17	TTC7A	LCAL1	SUN3	HLA-DMA	ZNF280C	NPC1
CTAGE5	PRDM5	GPC2	LOC100240728	GOLGA8N	P2RX3	LINC00521	ZXDB
ZXDA	MIR99AHG	MIR7-3HG	PRM3	NFAM1	GABRD	SPSB3	INS
PARD6B	NGB	PABPN1	AGGF1	NBPF3	PARD6A	N4BP2L1	ASPDH
FAM60A	ANKRD13D	LINC00982	PLPP2	LOC105373113	PLLP	JCHAIN	ARHGAP24

LOC10192 7138	ODF2L	MYL6	GOLGA2P5	SH3GLB2	ZNF205- AS1	CPA5	HECTD1
LRRC3B	ZBED1	IVNS1ABP	GOLGA6A	VPS8	ZMYM2	PSCA	CARNMT1
CHN2	ELP2	SERPINB6	GUCA2B	LINC0142 8	FIBCD1	MERTK	FAIM2
UNC13D	SGK494	GNL1	ZMYND10	ERCC8	DACT2	LMOD3	MTPAP
LOC10537 8470	DHRS2	GNG12	LOC102724 927	IGHV3-23	IGHV4-31	IGHG4	IGHG3
IGHD	IGHA2	IGHA1	IGH	BCL2L13	ZNF780B	PGGHG	SYNPO2
LOC10192 8837	KHDRBS1	NPTN-IT1	PRMT1	CDC40	LRRC59	BTN2A3P	ZNF271P
FER1L4	HHIPL2	MIRLET7D	LOC100506 675	ZNF503	SELO	FAM19A1	ACOT8
DLGAP3	NF2	WDR59	IL22	ZNF709	COL18A1- AS1	STOX1	LOC10192 9719
MAP4	LOC10537 4809	MEGF10	TTC9C	LOC10028 7015	NEK4	ZNHIT2	FAM160B 2
LOC10192 7587	LOC10192 7560	LOC10192 9248	VMO1	UBE3B	LOC102724 030	IGKC	TRAF4
STK3	GABPB1- AS1	LINC00664	IWS1	LOC10012 9935	LOC101927 181	RAB40AL	CHRNA4
CD4	C11orf96	PIK3IP1- AS1	LOC101929 341	AVPR2	CCL26	USP2	HIST1H2B C
HIST1H2BI	HIST1H2B E	HIST1H2BF	HIST1H2BG	MIR622	LOC339593	CTSLP8	SLC7A14
SPATA17	MAPK13	CARD8- AS1	TNFSF10	IL34	DMP1	MAP3K8	LOC38983 4
MAGI2	HGC6.3	LEAP2	ERVK13-1	LINC0093 3	PHLDB2	PYHIN1	SUPT20H
DES	RUNX3	CSH1	LOC101930 388	LOC10192 8143	NUMB	CORIN	CCK
COLEC10	FKBP15	FBP2	LOC339166	WSCD1	PPM1A	CACNG8	SIGLEC8
ITGB2	TXLNGY	LOC10192 9297	SOX4	EMX2OS	SGMS2	INF2	MYLK2
FNDCA	RHBDL2	WDR27	UBE3C	TAGLN3	CEACAM7	SLC22A6	DGCR5
ELMOD2	GNL3	PCAT4	MYH7	MYH6	C7orf43	LOC10050 6538	LOC28371 3
OTUD7A	PRND	LOC10192 6997	NDNF	WDR86- AS1	INHA	CD93	FAM230B
ZNF713	TMEM165	LOC20218 1	HDAC10	ST8SIA1	CAPN13	CHM	NDUFAF6
FLJ35934	BCAS4	PTER	TRIM44	VAPA	FAM98A	C4orf33	SLC37A2
BFSP2-AS1	MTTP	ZNF365	ZNF154	DUSP26	SLC16A14	BMP1	AP5M1
TRPM7	MIR29C	MIR29B2	RIPK4	C1orf159	USP46	DHX34	H2AFB1
H2AFB2	H2AFB3	MED6	GUCY1A2	EMX1	MOCS2	SLC14A1	KLHL14
LOC10192 8748	FN3K	USP43	TMEM135	CAHM	GAB1	MAGEE2	ZNF578
LOC10192 9269	KCNMB4	SPATA31C 2	MVD	SLC12A1	MRPL50	CCT8L2	IPO8
MRPS5	LOC10192 8605	OR2A1- AS1	EIF2AK2	PYGO2	CYTH1	B3GALT6	RRH

ZNF546	ZFP28	H1FNT	ITPR1	KIAA0907	COL12A1	NFKBID	ULBP3
FAM228B	TONSL-AS1	SRSF3	CLEC4A	KCNJ14	TMEM259	CEP72	SPATA42
SLC23A3	POM121C	SLAIN2	AUTS2	C4B_2	C4B	C4A	LOC101929597
TBCD	MARCH7	EGLN1	MIR452	MIR224	GABRE	KRTAP3-2	TKFC
LOC339862	THNSL2	ago-04	FAAP24	FOLH1B	FOLH1	ZDHC21	EPN1
ANKS1B	ST6GALNA C2	ZNF444	CAPN11	FCHO2	HGD	HAL	LRRC34
CDX2	KRT78	ZSCAN31	LILRA6	EML2-AS1	BDH2	DDX24	CLK4
PRCP	TMEM156	OPRM1	SERPINB13	TAB3	ARHGAP42	ADGRD2	BTN2A1
EEA1	PRDM4	MRPL47	RAB3GAP2	PARD3	LOC102724517	NLK	TAAR5
KMT2D	ANXA3	IL1R1	BTNL3	CCR6	PDLIM4	IMPAD1	MYO3A
ZNF528	PCDHB7	CLCA2	SIRPG	IDH1	ECM2	SPTLC3	LOC100289058
PALM3	DMKN	ADAM11	CSF1R	MIR10A	LOC105376997	ST3GAL4	FAM13A-AS1
LOC100506548	RPL37	SAA2-SAA4	SAA2	SAA1	LTB4R2	NRXN2	FTCDNL1
FAM118A	MKX	MIR548XH G	ARGLU1	PSMD5-AS1	UPK3B	CEP89	INTS6
RDX	RPH3A	MMP20	TECTA	SPATA31E1	LOC100507472	PCSK6	GUSBP11
ZNF471	ASB1	RMND5A	AKAP8L	GABRA3	PGM2L1	TBC1D3I	TBC1D3E
LOC101060389	TBC1D3L	TBC1D3K	TBC1D3G	TBC1D3H	TBC1D3	TBC1D3C	TBC1D3F
VDAC1	ACHE	DIRAS2	RNF207	C11orf31	PTHLH	ZBTB46-AS1	TUBBP5
LOC157931	SETD6	PNN	LOC100996455	TLR8-AS1	PSAT1	ABCC4	BMS1P6
PNKD	BLZF1	GIP	PEX1	PBX4	ACAP1	LOC100129917	WWC2
CNBD2	HHAT	PCAT7	LINC01210	TNFSF13B	CRYGS	LOC101928909	TMEM212
PDCL	LINC00665	SFRP5	CDK11A	CDK11B	LOC101929460	BEX4	HGF
XRRA1	GPR150	HNMT	CTSS	GPR132	LINC00992	FANK1	RFX3
METTL2B	LOC283454	LY9	MRPL32	BCL6B	MYH7B	PCAT19	DGKZ
ANKRD20A11P	SAMD4B	SULT1A1	SNRPN	LINC00708	PAWR	HCN3	TRAF3IP3
PDE1A	FAM175B	HBP1	MELTF	TTY13	TRAF1	ITFG2	FEZF2
HLA-DOA	ALG10	DGKE	PM20D1	DND1	SAP30L	TIGIT	PRR29
DEFB103A	DEFB103B	LOC105376796	PCBP1-AS1	ACY3	PRCAT47	LRCH1	GIMAP5
CSHL1	LOC101929926	TRMT10B	BRAF	TRPC6	SEPT6	TPTE2P6	LOC400927-CSNK1E
LOC400927	CSNK1E	HOXA10-AS	ETS2	RBM17	WTH3DI	RAB6A	UCHL5

LOC10272 4965	PAQR6	INTU	ARHGEF7	PMS2P5	PMS2P1	LOC10012 9516	CLECL1
NHLRC3	ABCC8	HFM1	PSG1	AKAP14	EPHA1-AS1	SLC25A45	FLJ13773
LINC0044 1	TLCD2	GPR62	PTGER4P2- CDK2AP2P 2	MYL1	LRP5L	WHAMMP 2	WHAMMP 3
LINC0161 9	LOC15222 5	LINC01532	LINC00895	ZFP41	UQCRB	LOC10272 4938	BRD7
METTL9	LOC10050 5942	HCN2	LMBRD2	SLC7A1	LOC283075	ASXL2	STARD8
ULBP1	GPR27	ILDR2	LOC284023	CLCN4	HLA-F	GPD1	ENAM
ALPK3	GOLGA2P 3Y	GOLGA2P2 Y	LOC143188	VT1A	CBFA2T2	FAM86B3P	PRKAB2
RNASEH1	ARID5B	MDN1	ARHGAP9	DEFB1	SEC63	EPHA10	ARPC5
COX10- AS1	GOLT1A	NKX3-1	LILRB5	RPL37A	BBOF1	IREB2	PLEKHG5
LINC0067 2	LOC10099 6286	LINC01563	CDC42BPA	FCGBP	RAB5A	FAAP20	Orai2
SLC22A15	RTEL1	THRA	IGDCC4	ZNF300P1	LOC285147	SCNN1A	GLRX3
MFSD9	CAPZA2	ZNF823	CTRB2	CTRB1	LINC00459	TMEM219	LOC10192 8809
SLC7A6OS	CFHR3	LOC10012 9129	ZNF500	KIF6	KIR2DL4	ZCCHC4	ENTPD7
HCK	DET1	MED31	ARNTL	HTATIP2	SIRT1	BHLHE23	ZMYND12
RNF187	HSPA13	ICAM1	UNC45B	NEU2	ERICH5	ACY1	XRCC4
MSANTD4	LOC10192 9524	TOM1L2	DKFZP761C 1711	MITF	ERICH3- AS1	CSNK1A1	SPSB1
ZNF627	ZNF732	HS6ST3	INS-IGF2	IGF2	EBLN2	TRIM52	TNFRSF25
CYP4F11	COL8A2	LOC44117 9	ZDHHC3	SIAH1	USP36	CKM	RBP5
KNDC1	CROCCP2	ZBP1	TP53BP1	LINC0121 3	LINC01448	NFX1	FAM117A
HPS6	RALGDS	LOC10028 8175	LOC105378 130	ASA2B	CELF2-AS1	ERGIC3	LOC10192 7865
LINC0153 7	PARK2	LOC10192 8806	AKAP6	LOC10050 7250	RBM48	ANKRD30A	AKIRIN1
LOC28638 2	ATP11A	FXYD4	TMEM116	ZDHHC4	TP53TG5	AVPR1A	LOC64898 7
GBAS	HAND1	EHF	SETD5	XG	UTP11	MBD2	PRO2012
CDNF	GIPC3	LOC10272 4880	LOC101929 154	PNPLA3	CD55	OPLAH	CAMK2D
TLR5	FCER1A	FXYD6- FXYD2	FXYD2	LOC10050 5530	NFYB	GDAP1	KCNAB2
SAA4	TEX26	LOC10065 3137	CDH23	NBR1	GABARAPL 1	SULT4A1	LOC10012 9406
SNX5	C19orf43	FARP2	SDHB	YPEL3	SLC9A8	EPB41L4A- AS1	GALT
C3orf58	LINC0085 3	PECAM1	TNFAIP6	LOC10013 1662	L3MBTL1	MMAB	PDCD7
FBXW9	SH3RF3- AS1	POFUT1	LIN9	C11orf57	PLVAP	INTS10	LOC10192 8361

ARHGAP15	MARK3	TMEM178B	S100A13	GH2	GH1	DLL3	KPNA5
TAC1	MAPK8IP3	LRRC46	POU6F1	IL23A	HOPX	USP16	PSKH1
FAM27E2	FAM27E3	GAGE12D	GAGE8	GAGE12F	GAGE2A	GAGE12H	GAGE12E
GAGE12B	GAGE12C	GAGE2D	GAGE12J	GAGE12G	GAGE13	GAGE2B	GAGE2E
GAGE12I	GAGE7	GAGE6	GAGE5	GAGE4	GAGE3	GAGE2C	GAGE1
LINC01140	OSBP2	FADS3	SPATA33	PTPRA	LOC102723542	ZNF155	LOC284009
METTL16	NDUFA7	TPCN2	FAM49A	MYRIP	NNT	GNA14	LOC440792
GLS	FAM27B	FAM27C	FAM182B	FAM182A	AP2A1	C1QL1	CAB39
FKBP4	NR5A1	MIR133A1HG	NTS	IGF2BP2-AS1	PRDM11	CD79B	COX6A1P1
ROCK1	LOC100128751	DGKA	PTPN1	PRO2964	LOC100506235	EIF4G1	ADAMTSL2
GIPC2	EGR4	CBR3-AS1	LOC101929774	CASZ1	C5orf51	CCDC190	LOC101926934
LOC101928045	MROH7	TTC39B	CCL24	ZNF337	LOC101928617	LINC00857	SNAPC3
PHF2P1	DOCK6	ALDH1B1	SPEM1	ESR1	ADCK2	R3HDML	IL17RE
NSUN5P2	NSUN5P1	PKLR	ZNF577	MLF1	MYZAP	GCOM1	POLR2M
PGAM2	UTP18	FAM193B	SMLR1	FMO4	USP19	ARL9	HTR4
TRO	SOCS7	SNCG	LINC00589	KIR3DL2	KIR3DL1	FAM110B	REL
CROCC	FOXD4L1	FOXD4	ZNF248	ATF6B	UROD	KIAA1324L	TDGF1P3
TDGF1	DTNA	FAM19A2	LOC101930075	LOC101930013	NPIPA8	NPIPA7	NPIPA2
NPIPA3	PKD1	NAT8L	DRAXIN	ANKS4B	MAGI3	SMAD1	LOC286114
SPECC1	TMEM257	HACD2	CLDN23	MUC5B	ZNF74	PDP1	AGAP11
FKRP	COMMD10	UNC5C	LOC100506368	C1QTNF3	HNRNPU	CCDC71	FUT8-AS1
SMPD3	RP1L1	WAS	LINC00620	SPARCL1	C14orf39	TRA2B	RAVER2
OR2L2	HELZ2	DRD4	RRBP1	LOC100996760	DERL1	CEACAM1	LOC284930
MYBPH	GCHFR	FILIP1	FRAT1	PRELID2	FBR5	CNPY1	RUNX2
KLHL34	LOC101929122	GTPBP2	LUC7L	PARD6G	LOC101926960	CLK1	PRLR
AMZ2P1	PDXDC1	HOXA6	FLT3	C2orf50	PICK1	TMEM30B	LAMA5-AS1
SMIM24	SFRP1	ERC2	C7orf57	TMEM229B	C11orf21	SLC11A1	CDH20
ZFP36L2	KIAA0368	YTHDC1	MRPS18C	PCMTD2	PGRMC1	LINC00244	LRRC32
HLA-DQB1	BORCS6	RSPO4	AURKAIP1	KRT17	JUP	LOC101930322	ABCC6
NUP54	LOC101927699	LOC145783	ZNF280D	CCL3L3	CCL3L1	CCL3	IQCF5-AS1
AZI2	RASAL1	PRNT	TRAV12-2	PPFIA2	LINC00514	CCAR1	CCT6P1
CCT6P3	FAM138E	FAM138D	FAM138C	FAM138B	FAM138A	FAM138F	IFT57
BBOX1	AFF3	SAA3P	LOC285627	ABCG1	DAND5	NFE4	LOC100507513

TANK	KCNH1	LINC00661	RNF126P1	PCBP3	LOC102724250	LOC101930059	NBPF15
NBPF11	NBPF1	CCDC148-AS1	SLC35F4	PPY2P	KIAA1211L	ZNF682	LOC101928306
LOC100507600	HHLA3	ITK	SUGP2	DENND1C	CAPN10	LOC101927606	ZNF808
ALPI	TPD52L1	IGSF1	FAM196A	C12orf49	SEMA3A	LOC101928173	LINC00470
NRSN2-AS1	TMEM88	PEX26	C1orf87	THBS4	KLF6	PAN3-AS1	GPATCH2
SEPP1	TUSC8	PCDHA5	AVL9	PRPF39	LINC00628	PRKCH	LGALS8-AS1
CHRNA6	CDKN2AIPNL	C21orf59	FRG1KP	LOC101930531	LOC101930278	FRG1CP	LOC100134091
FRG1BP	FRG1	LOC100506142	ACRV1	PAK6	ZSWIM8-AS1	NDST2	ITPK1-AS1
TRA2A	LOC100286925	CRABP1	ZNF569	ZFYVE28	PP12719	LINC01103	VAMP1
SEZ6L	NUDT9P1	SLC39A9	LOC102724993	LOC403323	TRPM5	CCDC173	ZNF280B
CCL20	ZNF512B	NDUFC2-KCTD14	KCTD14	PRRX1	JAKMIP1	RSRC2	LIN28B-AS1
CDC42	SNX24	SLC43A1	WDR72	MTA3	RAD52	PAAF1	CYP3A7-CYP3A51P
CYP3A7	LDLRAD4	TYSND1	PMCH	TEX13B	SLA2	LOC153546	C4orf19
TXLNA	STMN2	BTG2	BRDT	ARHGAP31	KIAA0226L	ADRA2B	MAGEA6
MAGEA3	DRD2	CCL22	DCAF13	LOC101929177	AGBL1	PMS2P9	PMS2P6
LOC441259	PMS2P4	LOC102723684	ANXA1	PHF3	OASL	SLC25A47	LRRC37A2
FHL1	COL28A1	LOC100133131	TMEM63A	RAB11B-AS1	CCDC18	KIAA1109	PRSS58
CPA6	GPR42	FFAR3	CD46	APOL1	HDAC6	LOC101928069	SPG7
MIR3671	MIR101-1	MAX	RAB1A	LOC100506406	LOC100506271	SYT12	BANCR
GOLGA7B	FAM184A	PLGLB1	PLGLB2	SPAG8	NSMF	ZFR	ANKRD30BP3
RNGTT	LOC728323	CDR1	MIR3976HG	CFAP97	GRM2	IRAK1BP1	BTG3
GNA14-AS1	LOC101929315	HOTS	LOC105373942	MUC6	RBFOX2	PSMA3	FUBP3
CLN5	TFDP2	NAALADL2-AS3	SLC38A10	CDC14C	TAS2R10	NOVA2	GVQW1
HSD17B12	NIPAL4	MAN1C1	ADRA1B	BTBD19	NES	CDKN1C	ZCCHC18
CDHR5	CT55	CASP9	KCND1	ZDHHC11B	ZDHHC11	LOC101928841	WDPCP
ABCC12	SIK1	CMA1	TG	COL24A1	PCNX3	ALOX12P2	NBN

LACTB2-AS1	CDK19	SULT1A2	SEBOX	VTN	LINC00937	DHRS11	CTDSPL
TEX9	ZSCAN2	ESCO1	BHLHE41	XYLB	CCL23	EPYC	PSTPIP2
NIPSNAP3B	GLP2R	AVPR1B	DMRTB1	TMED2	LOC101928669	LOC644450	KRBOX1
C15orf38-AP3S2	AP3S2	LINC01583	CLDN5	LOC100506497	PELI1	NDUFAF7	TNFSF4
KIF21A	FAM189A2	SLX1A-SULT1A3	SLX1A	SULT1A4	SLX1B	SULT1A3	FGF4
SZRD1	LOC101928718	FAM212B	C4orf22	HSD17B3	GDF15	HILS1	LOC155060
KXD1	C8orf44	LOC100130285	PIWIL2	HES5	LINC01398	CDK5R1	GRAMD1A
C8orf31	MGC16275	LOC100996583	PTPMT1	ITGB3	RAB3IP	CATSPER1	PYCARD-AS1
CCL5	ZNF879	STK36	CXXC4	MYL12A	FAM71E2	CTSH	PROKR2
RAB28	RAMP2-AS1	ZC3H7B	ABCA11P	RARRES1	TCEAL2	PREX2	LOC101927274
LOC339468	LILRB2	DYNC2H1	LOC101927254	LOC101930373	HYDIN2	HYDIN	KIF19
ANKRD40	APOF	IL26	LOC283745	TMEM26-AS1	LOC100130548	ADAMTS9-AS1	SLC25A53
KCNJ2-AS1	ATF7	SNORD104	SNORA50C	FAM83C	LYPD4	KCNB1	CYP4A11
TMEM159	ZNF304	BOD1L2	ZP1	LOC101929240	SNRNP200	ORMDL3	VPS36
LOC103091866	LINC00623	LINC01138	LINC00869	EFNA1	TREML1	LOC101929132	BCL11B
TMEM71	C5orf64	SLC25A30	PDK3	C22orf39	KRT5	LOC100507577	LONP2
RAB24	ZNF777	RASA3	IFT27	NRXN1	FDFT1	ACAD9	STRA6
ATP6V0A2	RAB11B	LRRC37B	LOC100507281	ITIH1	LDLR	GUSBP1	ZNF663P
LHX8	CRYBA4	IBSP	THBS3	TBC1D12	TBX19	RARRES2	SNORD116-21
SNORD116-20	SNORD116-17	SNORD116-19	SNORD116@	HAPLN4	ADCY9	PPFIA1	CEBPD
DNAH9	SDHC	HOXB-AS3	LINC01169	IL11	ZRANB2-AS1	PQBP1	RELT
TM7SF2	NFKB2	TMCC1	HSBP1L1	LOC101927416	NTN5	TRIM23	LOC101929078
NACC2	SIX3	LINC00908	TUBGCP3	LINC00682	UMODL1	RNF146	LINC00595
TFR2	WDR37	WNT9A	CLU	MOGAT2	EIF4E2	SLC32A1	ZNF696
NOXA1	PPM1B	LOC283737	USP27X-AS1	PREPL	UVSSA	RPL35A	LOC101926892
AP3B2	SCRN3	SPRTN	DIP2A	TMEM147-AS1	SIRT3	FGFR4	LINC00965
PCYOX1	TMEM52	MDFI	DCLRE1B	CXorf56	COL14A1	ST7-OT4	SNHG4
CEP131	GOLGA2	PPEF2	UBA6	DEAF1	C1orf116	PSMB8-AS1	ROBO3

CCDC168	TEKT5	HNRNPM	ZNF597	GIPR	MAF	TRAK1	GXYLT1
RRP7BP	TOR1A	CASKIN2	PKD2L2	OLAH	LINC01607	CD70	ITCH
MNT	LOC100288238	USP8	ZNF79	WNT7B	IGLJ3	IGLV1-44	IGLV@
IGLC1	CIB4	KIZ	WTAP	SIRT7	LOC100287413	GLYATL1	PRDM2
FLJ31945	BCL2	TEX33	HIC1	LINC01360	LINC00226	LOC105373065	LRRD1
LOC101929076	KCNAB3	C10orf76	TAF1L	SNURF	FLJ36840	CABP2	AGAP4
RNF217	TMEM198B	ST6GAL1	LINC01431	LINC00560	STX4	FMNL3	APPL1
PTPDC1	LOC105375773	SNIP1	ZBPB	ADGRF3	LOC101927085	KRTAP4-4	UCP1
CALB1	IQCC	TICRR	SLC18A3	MIF4GD	DNAJC13	ARHGEF19	VENTX
CRISP1	FAM181B	DFNB59	TRIM38	HOXC12	HOTTIP	NFE2L3	UGT1A1
CLDN14	LOC100132077	MEX3A	WNT8B	CLEC2D	FAM83H	HNCAT21	C17orf99
KLHL31	LINC00261	ASB9	LOC100507507	ABHD11	KHDC3L	LOC646778	PPP1R11
LOC284600	EEF1A2	OR2F2	OR2F1	CRCP	VHL	HOXB9	LINC00491
LINC01126	ST8SIA3	LOC101929964	LINC01184	SIM1	ACSL5	RPS10	TXNDC16
LRGUK	MTRF1	TMC1	KRTAP5-AS1	APLN	LINC01227	ATL2	HLA-F-AS1
BCO1	TRIML1	CPEB3	SLC10A4	MYLIP	LOC105374366	MYLK4	F8
AMER1	OSMR	RHEB	CAMK2B	CLCA1	CYP2R1	ITPRIP	LOC389641
SKP2	MBTD1	SLC25A21-AS1	C6orf132	ZNF644	PCF11	SLC45A2	IL1RN
ACCS	AIM1L	KCNJ9	NUTM2B	NUTM2A	TXNRD2	POLR2J4	LOC55338
ANO4	CROT	LOC101929718	LOC100132686	NKX2-1	TMEM102	DNAL4	ZBTB14
LOC100507654	PIK3IP1	KLK6	DUX4L24	DBET	LOC100291626	DUX4	LOC100288289
DUX4L2	DUX4L3	DUX4L5	DUX4L6	DUX4L7	LOC652301	DUX4L4	DUX4L8
DUX4L1	LOC100996404	MUC5AC	PARP15	LOC101927292	GABPB1	SLC39A14	TMEFF2
LOC729218	GTF2IP20	LINC01061	MUC4	PDZD2	ZNF208	SNTN	MCCC1
HIST1H2BD	VIT	KCNK7	LOC100507855	AK4	UBE2B	PTCD3	IFNA17
C8orf48	MAN1A1	NANOG	SURF1	JSRP1	GAPLINC	TRIM2	LOC643733
HCFC2	PTCHD1	C5orf17	SLC39A5	KNOP1	DYX1C1-CCPG1	CCPG1	PDIA3
INO80	EXOSC2	LAPTM4B	RNF152	DLGAP1-AS1	FGF18	KLK15	RPRM

PSMD10	LINC00862	LOC101929709	MAZ	CPSF3L	ALKBH6	RAD23A	FBXO15
LOC100996419	LOC102724782	LINC01198	KRTAP21-1	AQP1	MPP4	HPR	FAM122C
HIST3H3	RMDN1	FMO6P	TTN	DDX49	ADARB1	ADAMTS13	MAPKBP1
LHX1	HOXA2	CLTCL1	SP1	FAM184B	SPOP	ZNF33B	COQ8A
LOC100288490	IL36A	PCYT1B	SNRPB2	EEF1A1	CARMIL3	SF3B1	HECW1
PRSS35	C2orf15	GTDC1	OR5P2	LTBP3	NFIC	LINC01122	CCT2
CDC20B	NRGN	DIDO1	NEUROG1	OTUD4	LOC102725345	ADGRE1	ADAMTS20
CA4	INTS6-AS1	TAPT1	LOC101927286	MUC17	LSMEM2	LOC100506472	RPP38
PSG6	PSG4	TMEM56	LOC101929740	ZNF37A	LOC389765	CARF	PLEKHG6
LINC00997	PAMR1	NAT9	SSX4B	SSX4	OPN4	DTNB	HMGB1
DOCK4-AS1	LOC101929479	LOC727751	LOC642423	GOLGA2P7	GOLGA2P10	KCNJ16	FAM91A1
ANKRD23	BEND4	DDX56	PRLHR	C7orf25	PSMA2	LRRTM2	DNAJC28
IFNA1	CCDC102B	ANGPTL8	C1RL	AGXT	GTF2H2C_2	LINC01293	APOM
INMT-FAM188B	FAM188B	INMT	SFR1	C19orf47	THOC6	NLRC5	TFAM
MIR4656	AP5Z1	CAMKK1	LOC153682	NKX2-5	LINC00471	MTERF2	ONECUT3
DCX	KRT15	ZNF461	KYAT1	OSCAR	LOC100128644	PRR15	TRBV19
PDE4D	ORM2	ORM1	RANBP10	QRFPR	RPS11	FBXO44	FAM226B
FAM226A	AQP4	LOC101928917	MYB	MAGI2-AS2	CCDC113	FSHB	MROH9
C8G	PROX1-AS1	LOC101930452	EFCAB14	DYDC1	ZNF786	ZFP82	ZNF350
LOC100288675	DTX1	ARSK	TMED3	LOC283335	KRT8	FLJ13224	MSANTD1
PLCH2	LOC105370178	TMEM232	ING5	OR3A3	ANKRD37	PHLPP1	ARHGEF10
PDE5A	LOC100506679	SLC7A7	NCR3LG1	GALR2	ACTR5	BAHCC1	SSBP3-AS1
PREX1	LOC101927709	LOC254896	TNFRSF10C	CCDC71L	FAM132A	STXBP2	FOS
UGT2B28	CEACAM5	ADAMTS18	KATNAL2	PSMB1	NFRKB	KRT31	NADSYN1
TIE1	SEC31B	ALPL	ITGB2-AS1	TRAPPC6A	POM121L10P	DYRK2	COL20A1
LIME1	MIR6132	ST7-OT3	ST7	TMPRSS11D	OCIAD1	GKAP1	TMEM35A
TXLNG	UNC5A	AK9	TGM7	CREBRF	ZC3HAV1L	LOC101927330	GDF11
CLEC4C	JMY	PRH1-PRR4	PRR4	PRH1	LOC1720	TBC1D21	PELO

LINC00504	FADS2	ANOS1	CXCR4	NPY1R	SAE1	MAST4	DDX42
FAM3B	ABHD1	IL5RA	LOC105371920	SYNDIG1L	CLPS	CHKA	CDC42-IT1
SLC43A2	RASSF4	GPC6	LINC00488	CD14	OR51B6	LINC01289	ABTB1
C11orf63	SMAD5-AS1	MIR6845	NRBP2	OCLN	IMMP1L	LATS1	POU6F2-AS2
PQLC2L	COL11A1	IFNA2	SORCS1	GATA4	DNM1	MDM2	LOC100996756
SNCAIP	FAM229A	ARMC8	PIGA	TRPM1	PROM2	MARC2	MTIF3
HCAR1	GNA15	APOC2	COA5	CACNB1	ARRDC1	MIXL1	ZMIZ2
LOC400692	LINC01549	PHYHD1	HN1L	MYH11	RIMBP2	ACVRL1	TSPY10
TSPY8	TSPY4	TSPY3	TSPY1	C20orf181	LOC100130370	VWA8	KCCAT333
RSL24D1	PGA4	PGA3	PGA5	CELF1	NUP133	SIK3	RYR3
REG3A	PSMA3-AS1	MIR4683	FZD8	WWP1	LRFN4	FAT2	LOC101927660
TBC1D15	TADA3	GPR162	HAB1	DBIL5P2	LOC101927417	LGALS9	LINC00312
KIAA1107	GRID1-AS1	MEGF9	IGFBP1	PLA2G4C	SLC34A1	TCAF1	NTNG1
TBX4	HIBADH	YIPF3	LYST	ANKRD10	VWA1	TGFA	FAM199X
ZNF684	MORN3	CLIP3	APOA2	SLC17A8	ZNF826P	ZNF394	RNF168
ALDOAP2	PPA2	DRICH1	RAB37	NOP16	CLPB	DNAI1	MFSD11
MYO7A	GBA2	ATXN3	BICDL2	CLIC4	HRASLS2	ZNF354C	DYNC1LI2
FPGT-TNNI3K	TNNI3K	LOC102724814	FLJ30064	ZNF133	PRDM6	DUOX1	MAATS1
LST1	KL	ADH4	KRCC1	ZBTB26	KIAA0895L	CTSO	SLC45A3
DTNBP1	TTY14	ADGRL3	ZNF736	TTC39A	FAAH	FBXO40	ZNF75D
EXOSC1	TNFRSF19	DENND2C	FBXO10	BRINP1	BTLA	TSPAN10	MGC10814
PNLIPRP3	LOC101927783	GTPBP1	INSL6	FOXP4	LOC100505498	AIG1	AZIN1
CHRNA2	TCF15	CDKL3	HIST1H4H	FAM98C	EBF1	SLC25A17	SCN7A
GUCY1A3	AGBL3	TRIT1	AFAP1L1	EID1	LOC105379426	SMIM12	DMRT2
MIR205HG	ASGR1	LOC100506114	KCNIP4	PWP1	HLA-J	ADGRG5	CYP26A1
CD177	MAN1A2	L2HGDH	PXN	PALB2	HMGCS1	DENND2A	CAMKK2
MGC39584	RGS18	WDR87	BBOX1-AS1	RRS1-AS1	CEBPE	SUN5	PPHLN1
IFNA16	CHST11	ZDBF2	FCRL1	MFSD4B	CYSLTR1	EPS8L1	THSD7B
VAMP4	TEAD3	NUDT13	CLDN4	TMEM198	MAP3K12	LINC00518	LOC100499489
MCPH1-AS1	MCPH1	CCDC38	PRAMEF10	PET117	KAT14	LOC100506990	LOC374443
LOC101927494	FANCD2OS	INE1	TFCP2L1	EIF4E3	MOG	TNS2	LOC645513
ZG16	FKBP14	COPS7B	ZNF541	LEFTY1	BARX1	LOC100653149	LINC01296

FOXA1	OPRPN	SPATC1L	MIR631	NEIL1	LOC101928 255	LOC10012 6784	C4orf45
ALKBH8	REEP1	NSMCE3	TACO1	LOC10192 8309	FXD7	UTS2B	TPGS2
ADCY8	USP49	MSS51	LOC101928 461	PMEPA1	REXO2	TMIE	EFNB3
MKRN1	GPR174	TSPAN9	PXYLP1	MUC3A	CITED4	SLCO4A1	KIF26B
LRP8	DTWD2	SOX15	LIG3	MINA	DPPA5	SPRED2	CD160
MED26	VSIG10	CCDC84	CHI3L1	MIR2682	MIR137	MIR137HG	LARP1B
LOC10798 4282	GJA8	LOC73010 1	LOC105377 421	RELB	LOC101929 748	TTY15	LOC10192 8658
LOC10012 9455	AIPL1	LOC10013 2731	KIAA1257	SLC46A3	LINC00290	LOC10192 9125	SLCO5A1
SRMS	SAT1	KCNK5	RHOV	MIR3658	UCK2	THBS1	RPS23
LRRC14	BAZ1B	CSNK1G1	LOC100653 247	DUSP22	ASCL3	OSBP	NLGN4Y
MYH16	STAT2	DSC3	MED27	MYO5C	CAMK2N2	LOC10192 9583	LOC10192 8195
LOC10099 6643	LOC10013 3920	LOC28629 7	RFXAP	BTBD9	HMG20B	DDX54	C1QA
LOC10192 9373	SLC9B1	CYP2D6	LURAP1L- AS1	H2BFXP	CDHR3	LOC10192 8042	LOC10192 7579
RGS11	CRTAP	MVK	LRRC4	EIF4B	ENAH	BRINP2	DCC
ZNF567	SYNGR1	CERS4	BIRC7	ANAPC4	HIRA	LOC14940 1	TMPRSS15
LOC10013 1170	SLC25A44	RXRB	SLC22A8	SDK2	ZNF571- AS1	LGALS3BP	FLYWCH2
CFAP100	RIF1	YOD1	LOC101928 429	ATP6AP2	LOC284080	TUSC7	LINC0048 3
LOC10192 9450	TMEM265	SRCAP	HTR3B	LATS2	ARMC5	HESX1	ZNF189
CYP3A5	C10orf71- AS1	PFDN4	CPNE7	GLTPD2	CYTH3	LOC10272 4312	CNTN5
ZNF496	ZNF491	WBP2	TELO2	APOB			