

IL32,P4HA2,DRD4,TMEM101,TEKT2,PPP6R2,PLEK2,CHGA,USP11,PEX11G,NOD1,HSD17B1,PPY,OSCP1,TBX4,FBXO24,POLM,ITPR2,UBE2C,WFDC3,PACSIN1,DDX49,ANGPTL8,MYBPH,MORC4,OS9,SQOR,SLC3A1,VSX2,CCNE1,MOV10L1,SIRPB1,SEMA3A,HPX,ETNK1,ITGAX,NDUFB10,DEF8,ZNF750,SIK1,SLC44A3,REG3G,GPR6,HIKESHI,CC2D1B,OBSCN,GSTT2B,SPON2,PIP,SSU72,OLFML2B,BOLA3,ZDHHC19,FBXW12,SERPINA4,TMED3,PHB,DEFB4A,WDR48,UMOD,ANKS3,DISP3,EXOSC10,PTCRA,REG3A,MTCL1,C17orf62,AVEN,NT5DC2,MYEOV,CEP290,ALAS1,MADD,SLC22A8,HMGA1,MCTP1,RPS6KB2,ST8SIA5,DMAP1,CCNG2,DEFB4B,SLC25A20,TMEM184A,SLC26A10,SPACA4,ZNF491,CD37,PRMT5,CYP4F12,IL32,KDSR,CTAG1B,TRMT12,CLEC4G,SLC52A2,ANKRD11,TMEM89,NAT8L,ACSM5,PGP,CCDC84,VSTM2B,FRMD1,ZFYVE19,ESR1,NAPRT,TBC1D16,OAS2,CD55,SLC35E4,CASZ1,PCNX2,SDSL,ZNF683,GPAA1,KEL,OR8B4,XAB2,KCNN3,LFNG,NIF3L1,MAP4,DISP1,FLNA,TEDC2,SCAMP5,GLMP,TPR,LY9,CD1E,SH2D2A,KHDC4,CALHM6,SELENBP1,ACADS B,RPRD2,LDOC1,ZDHHC16,DIRAS3,SLC29A1,RAPGEF1,CD40,YIPF3,TFAP2E,TMEM35B,TGIF2,MFSD14C,SP5,WDR45,SPATA31A7,BTN3A2,PCDHA4,SEPT8,DCTN3,TLL10,AVP,SLC22A23,ARHGAP6,MTUS2,SLC13A5,ITSN1,TOM1,ZG16B,CTBP1,ARNTL,KIF19,SIGLEC6,AKT1S1,FCRL6,SORBS2,ANKRD39,SEMA5B,VKORC1,IZUMO4,WDR6,AKAP10,CCDC51,KIR2DL4,DDR1,RAB2A,CHMP1A,TREH,GSTP1,MS4A18,ANO7,NAGA,C2orf73,RHBDD3,RPS14,PIGQ,KCNC4,ADPRHL1,CACNA1B,CHN1,STK11IP,SLC2A6,KIAA0930,A1CF,PGC,FAM229A,IFRD2,SLC2A8,CD6,THNSL2,IFT172,C3orf18,MRPL10,HYAL2,KBTBD2,PSPH,BCS1L,PLA2G6,PHF1,SLCO2B1,PIGV,SENP2,ARHGEF33,SRPK3,ZNF485,RLN3,VAMP8,CLCN1,RNF144A,PSMD2,PFKP,COL6A3,HJURP,SLC12A9,EDEM1,EPM2A,HAUS7,TRIM26,NCDN,SNRK,TST,ZNF382,FBXO34,PDE2A,C16orf91,SEMA3E,FAM90A1,FOLR3,GTF2I,OPN4,OR10C1,CCDC188,BCAS4,GSDME,CCT3,NR5A2,MRPL28,ZNF185,TTC22,ORC5,MBOAT7,TMEM150A,ANAPC1,C2orf92,DOT1L,RBKS,NDUFS8,FAM126B,CLCN4,FOLR2,PDE3B,DCAF6,NEFLA,PCSK5,SCMH1,GOLGA2,IRF1,XPNPEP1,KLHDC8A,ATP11C,CFLAR,PPP2R5D,TNNC1,C1orf116,TFPI2,SLC25A48,CBS,PPP1R16B,ALAS2,D2HGDH,ASCC2,MRPS5,PRKD3,PGAP2,IL1RAP,DEGS1,RABL6,PYCR2,GPR157,PLP1,SYP,CYP21A2,MFNG,TMEM8A,PIM3,ARMCX3,CREB3L2,DESI1,INPP4A,TRAIIP,SLC35E1,LAS1L,MTA1,OSBPL10,STK36,HKDC1,CKS1B,DPH2,NOM1,RASSF4,PKD1,ACADM,ARF1,NFKBIL1,CNN3,ALPP,DNAL4,TBC1D10B,MFSD4A,UBR4,LAMB1,SPINK5,SACS,CLIC5,AP5Z1,FANCC,ITGB3BP,PQLC1,BCR,SETD5,TM9SF4,KREMEN1,SLC38A5,ZC3H11A,CCM2,PDZD4,KDM4A,XKR8,DTNB,PABPC1L,TP53BP2,EWSR1,RGR,COPS6,PDLIM4,STIMATE,NPDC1,CCZ1B,NEBL,TSPAN32,GSDMB,ANKS6,ALB,LBR,ISM2,AC114490.2,ARIH2,RAB11FIP3,PSD,MMP11,TMCO4,MZT2A,CREM,IARS2,UBAC1,CACUL1,ATRAID,TOP2B,C3orf58,ZNF789,AL080251.1,SLC4A2,EIF3B,JAK1,MFSD2B,SH3BP1,AMT,PCMT1,LY6G6C,KDM4C,LAMC1,NRXN2,STX1A,LZTR1,MAST2,TNIP2,DGKQ,MARCH6,ABCC3,NR1I3,ATP13A2,C5orf34,ZDHHC11,INPP4B,PXYLP1,TLR1,SIL1,THAP9,SLC9B2,CHIT1,AMN1,ARL10,RGS7BP,IRF2,IFT122,SDHA,HK3,TRIP13,SPAG9,ZNF451,NADK2,SH3BP2,CEP72,GYPB,WDR36,PCDH1,ZFAND1,TBC1D9B,ATP6V1C1,PIEZO1,RRNAD1,NSMAF,TRIQQ,TSPAN18,STC2,ENTPD4,MROH5,ATP6V1H,MTSS1,PRSS55,ERICH1,PHYHIP,REEP4,AARD,DIS3L,ABCA7,PPP6R3,KCNK7,USP47,NUP214,RPS3,C11orf16,ME3,ST5,PACS1,TK2,PRDM10,RIC8A,ARMS2,SULF1,ANO

1,TPP1,CDKL1,CTBP2,INTS11,TP53I11,PCNX3,IGLL5,MOB2,MAJIN,CAMSAP2,RCE1,ACAT1,PPP1R16A,TKFC,POLR2L,NUMA1,PTPRO,PLEKHB1,ARAP1,ACSF3,RELT,PDE1B,NCAPD2,IGHMBP2,SLC22A1,FAAP100,MMP20,M6PR,WDR74,DNAH10,MGP,SLC39A3,SUOX,DDI2,TPH2,HECTD4,HVCN1,KRT78,NTN4,GAS2L3,PFKM,CSAD,DUSP6,PLXNC1,DAZAP2,KRT6A,CA6,DDX23,TSPAN8,FICD,ESPL1,HECTD1,ACTN1,PSEN1,ASB2,PCNX1,MIPOL1,SIPA1L1,PPP1R13B,NIPA1,IDH3A,GATM,MAN2A2,EIF5,RNF31,GABPB1,ADCY4,TLN2,GCNT3,DNAJC17,ALDH1A2,PBX4,GMPR2,SEMA4B,CEP152,FAH,SLC9A5,ATXN2L,PLA2G4F,PRMT7,GALNS,CASKIN1,AC090360.1,EXOC3L1,AMFR,CLCN7,CCDC33,ARMC5,C16orf58,NOL3,CNOT1,TAF1C,ZNF688,VAC14,BAIAP3,DDX19B,NLRP1,NEIL1,ABCC11,GEMIN4,SLC25A11,PELP1,CIC,SPACA6,FN3KRP,TSR1,CLUH,FAM57A,CHRN1,SGSM2,STRA6,CORO7,AKAP1,HCF1R1,WNT9B,URI1,NAA60,RASSF5,DUS1L,SMARCD2,TTC39C,MYO15B,ADCYAP1,NARF,TMEM94,ITGB4,RAB31,GDPD1,LRRC45,OGFOD3,CDC6,CCDC57,FLOT2,GHDC,WDR7,TEN1,MAU2,HAUS5,ZNF793,MAP3K14,RBFA,HIGD1B,CXXC1,GPATCH8,FHOD3,ROGDI,TMEM161A,ATP9B,EFTUD2,ACTN4,ZNF532,EIF3G,ALPK2,ZACN,LIG3,EP8L1,NAGLU,SLC7A10,JSRP1,CTAG1A,ARHGEF1,ADGRE2,ECH1,CD22,ILVBL,MCOLN1,HPN,CCDC97,ZNF17,F2RL3,TMEM38A,PPFIA4,EMG1,KCNN4,LIPE,VAV1,FSD1,HNRNPL,SIGLEC7,ZCCHC18,LCE1C,ARFRP1,GRM4,AL034430.1,MYO19,UNC93B1,PCGF2,MED26,TTLL13P,SPPL2B,AC008162.2,SIK1B

hsa-miR-103a-3p

CAMKK1,CNFN,CD69,MXI1,APC,GNB5,TCIRG1,EXPH5,KCTD7,SEC16A,KCNMA1,PKNOX1,TNFSF12,FASTK,HRASL5,MAP2K1,FAM53A,NOSTRIN,GPR137C,ZAR1,APP,ZFYVE26,MYO9A,SMOC1,SOX13,CFAP46,TTF2,ZNFX1,GLO1,MAP3K8,RELC,YP1A1,TSPAN4,GATD1,NONO,KMT2B,IFT22,MFSD13A,MED20,DGCR6,ZNF879,AL139260.3,DLG2,TMEM72,BRDT,STAT3,PPP1R2,LAMB2,TMEM54,SNX17,MFN1,SLC11A1,ASB18,HECW1,CERCAM,SMARCD3,NDUFV2,DENND2A,TOGARAM2,PLIN2,MMACHC,MRPL38,RNF146,SPTLC1,GT2F2,IRD2,MPP3,CAPN10,ITGB1BP2,CFP,PTP4A2,TTLL3,SLC2A11,FAM45A,SUB1,MGAT1,ZNF346,CNGA1,FER,ELMOD2,CORIN,WDR17,MZB1,ARL15,UBE2Z,ZNF706,ITK,ACAT1,DDX25,CAPN5,GDPD5,DEAF1,TRMT9B,MRPL16,FKBP4,MLXIP,ARAP1,SLC38A10,LETMD1,ACTR6,ATAD2,DAA M1,TMCO5A,DET1,IVD,RPS27L,KATNBL1,MAN2A2,SQOR,METTL22,STX1B,GINS3,SPG7,CDH3,WDR59,PPP1R27,MPDU1,MYCBPAP,ZZEF1,CCNE1,TMEM105,LASP1,CCDC57,ERBB2,CLPTM1,FOSB,KDSR,GPI,DNAJC7,KEAP1,KDM4B,ZFR2,CACNA1A,DAPK3,SIPA1L3,LIG1,ZNF17,IRF3,SNRPA,SELENOW,USP29,EMC8,ELAC2,MMRN2

hsa-miR-122-5p

PPP2R5B,GATC,VPS53,SLC25A34,XPO6,SWI5,NUDT1,GPRC5C,OR2AK2,BGLAP,TSPAN2,BPIFB3,CFAP74,RAB3IP,CAP2,DENND1A,DOT1L,FAM118A,HECW2,G6PC2,VTCN1,FHIT,SLC11A1,THADA,RAC1,CMTR1,STX7,ZP3,SFXN3,PPP2R2D,INPP5K,ZAP70,DMXL1,ETF1,SLC2A9,FUT10,GEMIN5,PLEKHA7,C11orf49,MROH1,FPGT-TNNI3K,GNS,APPL2,UBAP1L,FANCA,BEAN1,SIRT7,RAB8A,DNMT1,CCDC155,NUMBL,TMEM185A

hsa-miR-125b-2-3p

GUCA1A,PTBP3,ISL1,NPC2,SLC52A1,EDAR,HINT2,MUL1,GCKR,SPIB,AWAT2,RPP30,PLEKHG4B,BTG2,SOX8,KCNT2,CAPN13,PF4,CCDC174,B4GALT2,CCPG1,BANF1,TPRX1,WDR45,RPAIN,HCAR2,BRCC3,RTN4RL2,AGAP3,SH2D6,ZKSCAN7,NPAS3,CHRD,THSD4,TBX19,NR1I3,SARDH,MMRN2,KLF17,CLCN5,CYP1A1,CIITA,CHD2,DOK5,NRL,IL25,ARID1B,C19orf24,CD8A,VDAC2,CFAP65,TMEM250,IL1R1,AC03745

9.1, DPCD, PRSS45, WDCP, AC023509.3, TPR, ZNF674, GLP2R, KCP, ST3GAL5, MICAL3, MRPS31, TRANK1, LAMA5, ABCA2, TFIP11, GTF2I, C2orf42, LETM1, NOL8, PCOLCE, D LG5, ACSS2, ECE1, RNF182, CERCAM, VTI1A, NIT1, ECE2, KRBOX4, SKIL, PPP2R1A, IL11 RA, C21orf2, C2orf70, ECHDC2, SPINK5, ROR1, DNER, HLADOA, LRP1B, TMLHE, RGS3, TAB1, IL9R, FAAH, CCT3, ZNF491, LY75, CENPL, PCOLCE2, PER3, MIA3, DGCR8, SSR3, C NIH3, AURKAIP1, GLB1, RPL9, ACAD9, APBB3, TSC22D3, RCHY1, FAM81B, CANX, RN F175, POLR2B, PALLD, CNOT8, CARD8, SPIDR, ZFHX4, ZNF706, ZNF395, MYOZ3, DEC R1, CEP57L1, THAP8, IFITM1, PLEKHA7, MTA2, ZNF692, LRP5, HCAR3, C11orf88, SLC37 A4, REPS1, SMPD1, C12orf60, NPEPPS, CRACR2B, ATG16L2, ACACB, TM7SF3, C2CD5, M ED21, TARSL2, CCDC91, MPHOSPH9, CD163L1, IBA57, CAPS2, ACVRL1, TWF1, MED13 L, MAPKAPK5, TNS2, HDAC4, KRT86, LIN52, NAB2, EAPP, PAK6, TIPIN, CDH11, CARH SP1, UBR1, NRG4, AC026464.3, MYO9A, EARS2, IL4R, ATXN2L, FAN1, CPEB1, ANKFY1, P2RX1, TMEM100, RPL23, PPIAL4A, ASPSCR1, PPIAL4F, PPIAL4E, AC243756.1, PPIAL4 C, ZNF559, MOB3A, NKIRAS2, TNNI3, HDHD2, GLYR1, EFTUD2, C18orf25, LIN37, KLK2 ,LTBP4, ZNF749, PEG3, PHLDB3, ZNF772, AC012254.2, DUSP22 CYP26B1, MLF2, UBOX5, BCKDK, ANAPC15, PXN, DOK1, ARHGAP40, PACSIN1, LRFN 3, MAP3K10, USP29, KMT5C, DDB2, TIMM10, AKAP2, HHAT, OSBPL5, MUL1, ANK2, SF RP5, GFOD2, LRRC46, ZNF593, PTGES2, FAM160B2, CRYAA, FAM207A, IKZF3, MAPKA PK2, ANKRA2, ANPEP, TSC22D4, VPS37C, UTF1, MAP3K11, ABLIM3, MATK, SPEG, BTB D9, CDPF1, AMBRA1, ASB2, CSH1, TMEM107, GADD45GIP1, EIF4E1B, TMEM184A, EH D1, ZNF7, LMNB2, IFNLR1, CTAG1B, HDCC3, SNAI3, SIGIRR, ZNF555, TMLHE, SELEN OV, GGT7, OPRL1, ZNF385A, CRTC1, SECISBP2, SP100, SLC26A9, HIST1H2AD, VCX, WD R31, COL11A2, COL18A1, NUTM2B, EPB41, LRRC69, PSMD13, NUTM2G, NEIL1, ADAM 11, SERPINH1, EPHA2, ZNF707, SSU72, SIRT5, NT5C1B, BAK1, R3HDM4, SMG5, S100A3, CTAG2, STMN3, DNLZ, AIF1L, GDAP1L1, MANBAL, HSPG2, PLA2G5, SKIV2L, PROSER 2, NUTM2D, NUTM2A, RPUSD3, WIZ, PTOV1, CSH2, MED20, UBE2D3, ANKRD13B, CE NPO, EMP1, CCDC125, TAGLN2, OTOG, HMX1, CCDC134, UBE2I, COMT, HIC2, TTC7A, VWA3B, MAGEA2B, AFF3, RBM44, MTHFR, DENND6B, MUM1, MECP2, RPS28, SLC19A 1, ANLN, SERPINE3, ZNF839, RFC5, POR, CTU1, ADORA2A, C20orf173, DBNL, NUTM2E , AKR1D1, ENTPD6, ZNF780B, HLA F, TOP3B, RGSL1, CRP, EXO1, PNCK, RARRES3, ENO 2, FZR1, SPAAR, OSBP2, TMEM131L, MED22, NEK6, AC037459.1, SMARCD2, ADAM12, F ANCG, ASCC2, OGFR, C8orf58, SEMA4F, ANKRD60, LYRM4, CFAP65, TBC1D2B, HM13, MGST3, CPT1B, UROD, PDGFRA, DUSP18, PRR14L, SGSM3, C1orf61, RNF103, MIB2, SEM A4D, WDR27, CLSTN1, MPZL1, ACAA1, COL11A1, MOV10, GP6, SSR2, COL21A1, ST7L, S FII, FGFR2, PARVG, EXOC4, TMPRSS2, NOC2L, TTN, SLC4A11, TSC2, PTPRE, TEP1, PAR D3B, ARPC1A, P4HTM, TM2D1, DNAJC11, AUP1, STK11IP, DHX30, TLE6, SNTG2, PARP 3, CEP250, LCK, SLCO2A1, ARR3, ARHGEF3, MFAP2, SYNGAP1, PLCD1, NEU1, FES, SEP T8, ABLIM1, QARS, EPS8L3, GPRC5C, ZAP70, PCNX2, NDUFA3, ACP1, LRRC29, RHBDF 1, PTPN14, TBC1D5, MUSTN1, PHF1, NR1H3, DNAH1, TCTA, HES2, INTS11, C7orf50, PC YT1A, PIGL, ZBTB48, MDC1, CNBD2, AURKAIP1, ASB3, PTPN18, REG3A, CYB561D2, IK BKG, AGRN, PTK7, NCOR2, MAGEA8, PSAP, CLCNKA, TPI1, ACTR8, HDAC4, SLC2A4R G, HHATL, DNAH10, ADAM10, REG3G, HDAC11, ZC3H12D, CEBPA, P2RX4, FLT4, F12, CDK10, WDR41, PRELID2, COL4A5, PIGG, LYRM9, PDK2, FRMD1, IDUA, ALG1L2, SLC5 2A1, HARS2, CHCHD6, TRIO, RMDN1, STMN4, GLI4, LYPLA1, ADAM18, AP3M2, DECR 1, RAB11FIP1, PNMA2, RPS6KA1, SIGLEC10, FHAD1, MCAM, TP53I11, SPAG11A, GSD MD, PTPRU, TMPRSS13, TTC12, PRMT1, ZNF250, CHID1, ZDHHC5, SPAG11B, GATD1, B RMS1, ST14, DPF2, NDUFS8, SIDT2, E2F8, GRK2, ST5, PLEKHA7, GRAMD1B, SART1, DPP 3, OLFML1, TMEM258, TMEM134, MPHOSPH9, CD6, SLC6A12, SFSWAP, VWF, VTN, HI P1R, MMAB, PGA4, PGA5, C1RL, MACROD1, ST8SIA1, PAH, PAX8, IFI27L1, SLC25A29, I

TGA7, IDH3A, CCDC33, CD79B, ZNF710, DPP8, PHGR1, CMIP, RSRP1, PRSS36, SPIRE2, CASKIN1, MVP, CDH11, KDM8, RBL2, RPAP1, KIF22, EME2, VAC14, CLEC18A, BRICD5, KATNB1, PLEKHG4, ABCC11, IL34, SLC25A10, CNTROB, SPACA6, AC139530.2, ITGAE, DVL2, CHRNB1, SGSM2, TXNDC17, MRM3, NPLOC4, SLC46A1, ARHGAP44, MAP3K3, RBF, FOX3, MARCH10, ICAM2, RAB11FIP4, CENPV, RPL36, TBC1D29, TNS4, SCN4A, RAC3, VAPA, GHDC, CATSPERG, SPPL2B, STK11, TMEM161A, DOCK6, CARM1, CXXC1, C19orf66, MAP4K1, PRKAR1A, PODNL1, VMP1, CIRBP, ADAMTSL5, POLRMT, FIZ1, ZNF234, ACP5, APOC4, EPS8L1, C19orf12, COQ8B, PET100, C19orf44, AXL, KLK8, GPR108, FCHO1, ZNF414, SPTBN4, ANGPTL4, SNRPA, SIGLEC7, KXD1, NMRK2, KHSRP, CTAG1A, CD37, SLC25A42, ZNF329, NAPA, TP73, AC116565.1, SSTR3, YTHDF3, HTR2A

hsa-miR-1271-5p

ADCK2, GNA11, HDAC7, AQP2, CBX6, TRIB3, ZMYND10, IL17C, PDCD2L, SDF2L1, EEFSEC, ESPL1, BCO1, FAF2, GIPR, DBH, BUD23, ERBB3, GPR17, AIG1, EML3, SLC24A2, TYSND1, GOLGA6A, FASTK, C9orf24, PACSIN3, PLK1, NLRP4, C2orf54, ASPHD1, GPR137, CLASP2, TEX44, FUT7, CABP1, ZNF771, RPS15A, NLRC3, OR8B8, MCF2L2, MT1E, ID2, FAM129C, BET1L, MT1B, DOK7, CDK11B, ING4, RPS21, SDSL, ATG16L1, MAGED2, GIT2, ENTPD6, MYH7, CDK11A, ITIH2, GOLGA8A, CDC42SE2, ODF2, SLC29A3, SKIV2L, MGME1, PRDM16, AC026461.4, CPXM1, GREB1, GPRC5C, BBS1, CELF6, MIEF2, CEP250, RGPD2, SAMD12, SPATA13, CRIP1, RGPD1, THRB, CAREF, IFI35, MX2, C21orf33, TVP23C, PROC, P, OLR1C, SHANK2, SPHK2, EFHD1, OXSM, IFRD1, CARD10, MBD3, C11orf68, CBX5, DBNL, HNF4A, FAM160B2, PLA2G6, CABLES2, F8, FAM171A1, GRAMD4, COL21A1, MBOAT2, SLC12A8, GRAMD1C, TSTD1, CHRNA4, MT1HL1, MIB2, FDPS, WDR31, RAPGEF4, ANO10, ADORA2A, PLXNA3, THADA, CRELD1, IL17D, KIAA2012, HPCA, PRKCZ, LAMB1, SACM1L, P2RY11, RIPOR2, DENND2D, ABCF2, RNF220, RAB34, ERGIC3, ASAP3, RUNC3B, UTP6, PRPSAP2, GUSB, USP19, EPHA2, TIE1, LAMB2, GBP5, STARD3, AGPAT3, GKN2, MGMT, TBRG4, CUL3, MEGF11, EVA1C, CSTL1, KCNIP3, SREBF1, IFRD2, DRG1, ATP13A1, TTC22, CSF3R, DRC3, SHISA5, ANKRD16, TPRG1, SRC, HDAC6, DMAP1, AZIN2, P, LP1, LRRC2, LAMA5, C1orf109, MBP, IQGAP2, PCDH1, KIF13A, ANKHD1, PPAT, HSD17B11, SPATA20, NGFR, MXD3, RNF44, QRFPR, FAM200B, METAP1, ARAP3, PAPSS1, ANXA6, OSR2, GRIA1, FAM83A, SLC39A14, TAF2, ENO3, ARFGAP2, GOLGA8G, CTTN, TME, M262, PIDD1, TPP1, GOLGA8F, PPP1R16A, MMP7, IMMP1L, CDKL1, CREB3L1, PEX5, IP, O8, CARS2, NLRC5, CCND1, PRH1, LHX6, SPECC1L, MAP1S, ANO2, OLR1, PACS2, TPC, N1, GNPTAB, AL928654.3, CNR1, PRKCH, PTGDR, TTLL5, SLC35F4, MTHFD1, ALDH6A1, TVP23CCDRT4, GLDN, SLC12A1, TM2D3, IGDCC3, NIPA1, MTFMT, SQOR, FAM214A, MT3, GOLGA8S, ATXN2L, GOLGA8M, GRAMD2A, AC090527.2, MAP1LC3B, ADCY7, GOLGA8H, GTF3C1, GGA2, GOLGA8J, GOLGA8T, DDX19B, MAN2C1, VPS53, TVP23B, SLC43A2, SIRT7, RNF213, CFAP52, CYB561, TMEM241, TOP2A, ARHGAP44, MKS1, SAP30B, P, WIPF2, BAHCC1, LSM7, AES, ARHGAP33, GIPC1, G6PC, USP32, CDC37, MBD1, CIRBP, AC092073.1, GHDC, GTPBP3, ZNF665, TIMM50, HNRNPM, F2RL3, DLL3, KLK2, PNPLA6, DUSP22, CCL15CCL14, NTMT1, MLLT6, SRCIN1, CCL23, CCL15, PTPRQ

hsa-miR-130b-3p

PRTN3, BCL2L14, TCEA2, PPA2, MRPL37, CNIH4, STXBP5, IPPK, OR10A4, ATP6V0A1, OR10W1, THOP1, AGAP1, WDR43, TRIM2, ADGRG3, AOX1, ANKS6, CXorf65, DLG5, ACSL6, USP37, EXOSC7, ATG2B, PRKD1, USP34, ABL2, LYRM2, FNTA, MTMR9, MYRF, FKBP4, RAB5C, KCNH3, RPS29, APH1B, CNOT1, AKT2, AC099811.2, NDUFA7, C3, INSR, TIMM50, AC010323.1, MFSD14C

hsa-miR-133a-3p

ITGA3, B4GALT7, NGFR, TRO, TRAM2, CDC34, MORC2, NME4, POP4, FBL, SIPA1L3, AEBP1, CDX1, INO80B, DLGAP3, PDZD11, KLRK1, MRPS2, SEC61A1, PYCARD, PIN1, FXR2, CNN1, PRDM12, YIPF2, NAPS, PPP1R1B, FADS2, TTBK1, CACNG4, GGT5, PPP1R12C, KCNT1, COL5A3, CHFR, SCAMP2, ARHGDI, SLC47A1, SEC22C, ADAMTSL1, SOGA1, SPARCL1, OSCAR, OBSL1, PDXK, NAGS, FCGR3B, TRIM17, COL6A3, CLEC3B, SENP2, C

LEC1B,PRRT2,SLC50A1,KCTD19,DDIT4,SSH3,CLDN15,DNAI2,GABRB3,MMP14,RP
L7A,STOML1,RORC,MARCH8,SF3B2,PDZD3,FOXJ1,FOXL2,FAM187A,CMTM1,NEL
FA,SERPINA11,NCKAP5L,MMP25,MXD4,ZNF385A,FBXL19,BRAT1,TRIP12,TRADD,
DHX30,NPHS1,IL27,FGF17,LAT2,PIK3CD,SREBF2,PNMA5,MRPL55,ENAH,FCGR3A
,PFDN2,DNASE1L1,EDN3,SLC2A6,PREX1,LRRC73,FAM167B,KIF12,MSANTD3,MG
AT5B,STK19,RSG1,MPIG6B,DLG2,ACTN1,CNNM4,PLXDC2,ACSF3,SHROOM1,NU
DT2,CDKN2A,FUS,C1QTNF7,LNP1,IL17RE,ABL1,PTTG1,KCNK7,CELF6,FGFR1,GST
P1,COL13A1,MYL5,ARVCF,DPP6,ABLIM2,CCDC103,SLC35G6,ATP5MFPTCD1,PSM
B9,C2orf76,TRAF2,DDAH2,GRPEL2,RASAL1,EPCAM,SFXN4,CD22,CERCAM,BRPF1
,OGFOD2,CEP250,TTC38,FAM182B,GIGYF2,SDCBP,PRDM1,PICK1,MRPS18A,RPL10
,MGAT1,TULP1,LSP1,KCTD15,PIGV,RLN3,MICAL1,PILRA,MLPH,SERPINE2,POLD
2,NCOA6,SH3BP2,MMP23B,EMID1,SEC14L2,GCK,PCED1A,FAM20B,TSSC4,LCP1,E
LF3,CCT3,ZNF185,PILRB,TTC31,ASCC2,RASA4,ACAP2,SMIM34A,FCAMR,DMKN,
ACTR1B,RHBG,GSS,COL9A3,TGM2,PLEKHA3,BACH2,KLC4,ARFGAP3,PLA2G6,TT
LL6,CLCN2,PFKL,DXO,ZNF862,STK40,KEL,NADK,MAMDC2,SCAMP4,SHANK1,A
PP,MRPS5,ABCA2,PEX5L,NDUFB8,TFDP2,CCDC13,LANCL2,RHBDD2,RNF13,PSO
RS1C1,MSH5,SNORC,CYP2J2,SURF6,B9D1,FAAH,CRAMP1,SH2D3C,WDR54,CXorf5
6,HSPH1,EFNA3,MYO1A,KLHDC8B,IL1RN,ACAP3,TBC1D2B,MXRA8,AL096711.2,S
SBP1,RRAGB,SPAG8,CPA1,FAM129B,HMGCS2,NRP2,DNASE1L3,PDZRN3,NFKBIE,
CACNA2D3,MAGED4,BCAR3,WHRN,MAGED4B,EXOSC7,IZUMO4,ZNF783,NT5C3
B,CNTN2,AC093668.2,YPEL5,MLF1,ZNF391,PDS5B,EZH2,PKN3,POLR3H,TAF1,CO
G5,OPHN1,CLASP1,MYCBPAP,ZNHIT1,PPIL2,PRSS53,PRKCB,CDS2,TRIM56,FUBP
3,CCDC150,NISCH,NGEF,DDC,PRRC2B,PNPLA7,RREB1,CBS,DOPEY2,ARPC1B,NC
OR2,RABL2A,NICN1,DEPDC5,TSC22D1,LRP8,OGDHL,GYG1,UBE2G2,HM13,ARH
GAP8,CEBPA,SH3RF1,PGM3,MZB1,TRIML2,PITX1,NFKB1,KLHL3,HK3,ACAD9,SE
C24D,FAM193B,IPO11,FGFRL1,SLC10A7,SRPK1,MGAT4D,EXOC3,AXDND1,CFI,CO
RIN,COL12A1,ANKHD1,ATP8A1,NR1I3,ABHD18,BFSP2,LMAN2,CPLX2,ACOX3,Z
NF704,NDRG1,VIRMA,TMPRSS4,AC105052.1,SNX31,GRIA1,MGAT4B,SORBS3,VDA
C3,SLC39A14,ST3GAL1,TRIQQ,NKX63,TBC1D9B,PITPNM1,CCDC17,C1QTNF5,ZNF
250,TESPA1,ZNF195,PPP2R5B,PPP1R16A,NKAPD1,CHMP4A,TYK2,BACE1,ARHGE
F4,ECE1,ZNHIT2,LRP5,AMPD2,TMEM86A,SART1,CKLFCMTM1,EFEMP2,MRPL17,
SMPD1,NDUFS8,BBOX1,DNHD1,STK33,PCSK7,ATM,SIPA1,P2RX3,TPCN2,GPR162,
KIAA1551,PDE2A,RHOF,CARS2,SRGAP1,SLC6A12,TRMT10B,EHD2,VWF,STAT6,ID
H2,NDUFA9,RASA4B,NOP2,MEIS1,KLRC4KLRK1,PLEKHB1,WSCD2,ZNF606,MAP
1LC3B2,MCRS1,MARCH9,EEA1,SOCS2,FKBP11,GATC,ARHGAP9,TNS2,ITGA5,ITG
A7,SDR39U1,SLC7A7,WDR25,CD63,AKT1,RPS6KL1,CRTC3,TPM1,GCNT3,RTF1,SLC
22A31,TK2,MYO7B,KCTD13,KLHDC4,CBFA2T3,NEIL1,CDH16,CEMP1,CMIP,ABCA
3,DHX38,NTHL1,LMF1,SMPD3,VPS35L,STARD13,SLC38A8,LDHD,TCF4,ADCY7,ZS
CAN29,MAPK7,AKAP10,PLD2,ATP2A3,ZP2,RPS15A,SLC26A11,AKAP1,PELP1,ALD
H3A1,DPH1,POLR2A,NXN,PER1,RAB11FIP4,ITGB4,LLGL2,PIEZO2,SUPT4H1,PROC
A1,SLC25A35,SEPT4,ARL5C,SLC16A3,EIF4A1,PRR29,ERBB2,PRKCA,TSEN54,CD300
LF,MTMR4,CDK12,RPL26,TMEM94,MUM1,PCSK4,UBXN6,MATK,TLE2,EDDM13,N
AT14,NEDD4L,PALM,BCAM,APLP1,POLRMT,ATP5F1D,AP1M1,RFX2,SPHK2,SH3
GL1,SNAPC2,NAPA,PGPEP1,ETHE1,MYDGF,IRF3,KCNN4,MRPL34,SLC17A7,ARH
GEF1,VAV1,PPFIA4,PPFIA3,MORN1,TBX18,CCL15-
CCL14,DGKK,AC239799.1,CTDP1

hsa-miR-184	ANKRD54,PEX11G,SF1,MTUS2,AMPD2,TMEM184A,NLGN2,ZBTB46,C20orf196,TCTN2,ATP13A2,CARM1,CACNA1G,TOMM20L,TRIM27,KLF6,TSSC4,PPP1R21,AURKA,MTA1,HMCN2,PTRH1,RLN3,MAP6,CLUH,METTTL8,PABPC4,AXIN1,HM13,SLC26A9,PHF21B,TLE1,ABCA2,CDC25B,DPYSL4,FAM83F,S100PBP,SLC2A4RG,ST6GALNAC4,AKT2,TRDMT1,MTMR11,KRTDAP,TARS2,GAL3ST4,ARHGEF10L,CTSA,PHF24,CTSZ,ARHGEF7,DGCR8,TACC2,IFT22,PPP2R3B,LHFPL4,UGT2A1,CDK18,EXOC1L,EFNA5,SPAG9,MGAT4B,STK3,LRR6,FUT2,STT3A,TMEM80,SIGIRR,UBQLN1,ROBO3,ZSCAN9,C1RL,ARHGEF40,NRDE2,TTC7B,PSMA4,PSME2,CACNA1H,ZKSCAN2,FAM192A,ABAT,RNF167,NXN,ELAC2,CTC1,GPRC5C,PTBP1,AP3D1,PIP5K1C,LTBP4,LGALS4,SIPA1L3,PAFAH1B3,IRGQ,KANTR
hsa-miR-203a-3p	SLC26A10,PRKG1,ACVR1,FTSJ3,FO XK2,CCM2,SIM2,SLC35B1,ITGA1,DDX55,GMFB,SUSD6,FUS,LSM7,APOC1
hsa-miR-206	GTPBP1,LY96,SOCS1,TCF7L2,TCTN3,NOTCH4,TRIM31,BSCL2,ELMOD3,ASCC2,TEM178A,COL20A1,MRO,ZNF33A,SFTPC,FAM120A,AQP12B,AQP12A,ROBO2,PER3,GSTO2,SLC25A12,OCIAD1,RHOBTB3,ASPH,PDP1,GDPD5,ZC2HC1C,FBRSL1,TRAF3,CD276,FA2H,CTC1,ATP5F1A,SIPA1L3
hsa-miR-335-5p	SGK3
hsa-miR-551a	DVL2,RPL18A,PCDHB6,IFT43,PCDHB8,PCDHB10,NEUROG3,TYMP,TUBGCP2,SLC2A11,COX10,KAT6A,ADAMTSL1,FAM81A,FAM46B,ZFYVE28,ABCF3,GPR182,ANGPTL4,MMP14,TRPM7,C4orf50,TMEM150B,SORCS2,EWSR1,DYNC2H1,SNRPD2,TRPM3,VKORC1,AC008397.2,ANKRD35,ZNF707,C20orf203,CNIH4,RXFP4,CHTOP,CYBR4,ZNF451,BTBD17,DCTN3,EIF1AX,GMDS,AKAP17A,MPP1,GPT,ATP2A1,SELENO S,ZSWIM8,ITSN1,CENPM,ELF1,PRSS40B,PPT2,POLM,PASK,VILL,RTL10,ANKRD62,CIZ1,CAP1,PBRM1,APOE,NR2E1,MAGEA10,LSG1,ZNF776,GTF2I,LCNL1,TNK2,ADAP1,SULF2,COLEC11,TADA3,GPAT2,SFTPA1,RGPD5,TMEM114,OGT,SNRNP27,MFSD13A,CAV1,AURKA,GNB1L,WDR74,PRODH,SEMA4F,DENND6B,EIF6,ECE1,DDX43,LTC4S,RND3,CLTA,RARRES2,PLCH1,RWDD2B,ZMIZ1,ACAP3,SCAF11,TFR2,MECOM,MATN1,PLCG1,RGS19,HES4,KIF6,HBA2,MX1,AKAP2,MCF2L,PANK4,TSC2D3,RCC1,SLC2A5,LRCH4,HBA1,IFT172,LZTS2,RGPD6,HLAC,KRBA1,RGPD8,SLC22A18,RMND5B,MEF2C,TMEM110MUSTN1,RFC1,DDR1,KIAA1191,BDH2,FAM149A,KCNQ4,CPE,SPON2,SPAG9,SERF1B,RPL26L1,NCOA2,ADAM28,MPP2,KIF13B,SLC39A14,RSF1,DLG2,BCLAF1,CRACR2B,TNKS1BP1,CHID1,AC135050.2,TRIM29,HINFP,EPSS8L2,PITPNM2,OGFOD2,C12orf65,DDX11,UBC,VSIG10,P3H3,KDM2B,C12orf57,FAM180B,TIAM2,CRIP2,SPRYD3,KCNH3,NDRG2,KLC1,EAPP,SLC25A29,DGKA,ALDH1A3,ADCY4,PIF1,PHGR1,IGF1R,GLDN,BCKDK,NIP7,SPG7,GPRC5B,APRT,RPUSD1,ITGAL,CTU2,RIPOR1,FAM192A,GSPT1,SGSH,FLYWCH1,CTRL,FUK,CHRN1,SLC47A1,FN3KRP,NAT9,AMZ2,PSMC5,SLC46A1,PSMD8,ADAMTSL5,CYTH1,SPRED3,CDIP1,ANKRD27,TBXA2R,GIPC1,PRKAR1A,TMEM161A,FAAP24,GADD45B,CPAMD8,ADAMT510,NFKB2,KLK2,PPFIA4,SYT3,AC003006.1,VAV1,FAM156B,NDOR1,ANKRD20A3