Supplementary Table 1. Information of the potential targets of the DE-miRNAs inhibited by solasonine. By searching the databases including Starbase, miRDB, TargetScan, and Tarbase, the potential targets of the 17 known mature DE-miRNAs inhibited by solasonine in BC cells were identified. We listed the information of these identified targets after eliminating the duplicated ones.

Starbase	
hsa-let-7e-3p	____
hsa-miR-122-5p	NOC2L, UBE2J2, MXRA8, CCNL2, SSU72, GNB1, CHD5, ICMT, ACOT7, HES2, PLEKHG5, KLHL21, DNAJC11, RERE, GPR157, CLSTN1, CTNNBIP1, DFFA, MTHFR, AGMAT, HSPB7, FBXO42, ATP13A2, PADI2, RCC2, ALDH4A1, UBR4, TMCO4, DDOST, HP1BP3, EIF4G3, HSPG2, LUZP1, ZNF436, ASAP3, E2F2, CNR2, SRSF10, IFNLR1, STPG1, PAQR7, PAFAH2, SLC9A1, MAP3K6, WASF2, FGR, EYA3, LAPTM5, SDC3, NKAIN1, ADGRB2, PTP4A2, YARS1, AK2, PHC2, KIAA0319L, CLSPN, TRAPPC3, EVA1B, STK40, RSPO1, C1orf109, MTF1, FHL3, RRAGC, RHBDL2, MYCL, PPT1, RIMS3, SCMH1, HIVEP3, FOXJ3, SLC2A1, ELOVL1, HECTD3, IPP, PIK3R3, MOB3C, TTC39A, RAB3B, KTI12, CZIB, LRP8, TMEM59, CYB5RL, DHCR24, MYSM1, ITGB3BP, JAK1, SERBP1, GNG12, WLS, ANKRD13C, NEGR1, GNG5, MCOLN2, BCL10, DDAH1, GBP2, GBP4, TGFBR3, EVI5, BCAR3, GCLM, DBT, VAV3, WDR47, SORT1, AMIGO1, GSTM3, WDR77, INKA2, DENND2C, CD58, IGSF3, TRIM45, GDAP2, WARS2, PIAS3, ITGA10, LIX1L, ANKRD34A, SV2A, SF3B4, OTUD7B, ANP32E, APH1A, ENSA, ARNT, MINDY1, CDC42SE1, SEMA6C, LYSMD1, SELENBP1, POGZ, MRPL9, THEM4, S100A16, ILF2, GATAD2B, RAB13, TPM3, SHE, UBE2Q1, KCNN3, PYGO2, SHC1, MUC1, CLK2, ASH1L, GON4L, RIT1, SSR2, MEX3A, SMG5, GLMP, MEF2D, IQGAP3, NES, CRABP2, ISG20L2, HDGF, ARHGEF11, IGSF8, DCAF8, DEDD, RGS5, GPR161, VAMP4, TNFSF4, CENPL, RC3H1, KIAA0040, ABL2, STX6, GLUL, RGS16, ZBTB41, KIF21B, TNNT2, TNNI1, PHLDA3, CSRP1, PTPN7, CYB5R1, GOLT1A, PLEKHA6, PIK3C2B, TMEM81, RBBP5, DSTYK, NUAK2, ELK4, SLC45A3, SLC41A1, FCMR, PIGR, YOD1, PLXNA2, LPGAT1, BATF3, NSL1, ANGEL2, RAB3GAP2, ENAH, CDC42BPA, TRIM11, ACTA1, C1orf131, GNG4, ERO1B, CEP170, AKT3, ADSS2, HNRNPU, SMYD3, PRKCZ, RER1, PRXL2B, TPRG1L, DFFB, KCNAB2, ESPN, CAMTA1, VAMP3, PER3, TMEM201, NMNAT1, KIF1B, PGD, CENPS, PEX14, AGTRAP, CLCN6, TNFRSF1B, VPS13D, KAZN, TMEM51, DDI2, PLEKHM2, SLC25A34, SZRD1, PAX7, MRTO4, MICOS10, CDA, ALPL, ZBTB40, EPHB2, NIPAL3, CLIC4, TMEM50A, SELENON, SH3BGRL3, DHDDS, ZDHHC18, WDTC1, GPR3, FAM76A, PPP1R8, SMPDL3B, ATP5IF1, SESN2, MED18, PHACTR4, GMEB1, PTPRU, ZCCHC17, TINAGL1, KHDRBS1, TXLNA, IQCC, EIF3I, ZBTB8B, ZBTB8A, NCDN, AGO1, ADPRS, MAP7D1, AKIRIN1, MACF1, BMP8A, KCNQ4, CTPS1, ZNF691, TIE1, PTPRF, DPH2, ATP6V0B, B4GALT2, KIF2C, HPDL, NASP, MAST2, NSUN4, CYP4B1, FOXD2, ZYG11B, CPT2, TCEANC2, PRKAA2, ROR1, CACHD1, AK4, DNAJC6, SGIP1, TNNI3K, FPGT-TNNI3K, ST6GALNAC5, MIGA1, NEXN, GIPC2, CCN1, SH3GLB1, HS2ST1, LRRC8B, BTBD8, MTF2, DR1, TLCD4, FAM102B, PRPF38B, FNDC7, STXBP3, ELAPOR1, SYPL2, CYB561D1, GSTM2, GSTM1, CSF1, AHCYL1, SLC6A17, ATP5PB, CTTNBP2NL, HIPK1, VANGL1, MAN1A2, PDE4DIP, VPS45, RPRD2, ADAMTSL4, PRUNE1, MLLT11, GABPB2, PIP5K1A, CGN, SNX27, PRR9, NPR1, INTS3, IL6R, ZBTB7B, EFNA3, EFNA1, RUSC1, SYT11, SEMA4A, PMF1, TMEM79, KIRREL1, IFI16, CADM3, ATP1A2, PEA15, SLAMF7, TOMM40L, PCP4L1, ATF6, NOS1AP, DDR2, POU2F1, RCSD1, MPZL1, TBX19, SUCO, PRDX6, KLHL20, RABGAP1L, CACYBP, FAM20B, TOR3A, SOAT1, CEP350, XPR1, IER5, LAMC1, SMG7, RGL1, C1orf21, IPO9, ELF3, PPP1R12B, ATP2B4, SOX13, MDM4, NFASC, TMCC2, CDK18, SRGAP2, IKBKE, RASSF5, MAPKAPK2, PFKFB2, CD46, HHAT, RCOR3, FLVCR1, RPS6KC1, SMYD2, RRP15, MARK1, C1orf115, MIA3, BROX, FBXO28, DEGS1, EPHX1, SNAP47, ARF1, IBA57, OBSCN, GALNT2, COG2, TRIM67, SPRTN, TSNAX, NTPCR, GGPS1, GPR137B, ACTN2, MTR, CHRM3, EFCAB2, OR2L13, DIP2C, LARP4B, KLF6, ANKRD16, USP6NL, ACBD7, NMT2, CUBN, SKIDA1, PIP4K2A, PRTFDC1, ABI1, YME1L1, ACBD5, ARMC4, MPP7, JCAD, KIF5B, ZNF248, ZNF33B, CXCL12, ARHGAP22, ERCC6, SLC16A9, CCDC6, EGR2, JMJD1C, PBLD, TYSND1, LRRC20, PCBD1, VSIR, SPOCK2, ASCC1, DNAJB12, MICU1, P4HA1, MRPS16, USP54, SYNPO2L, ZNF503, KCNMA1, POLR3A, ANXA11, WAPL, ARHGAP19, ARHGAP19-SLIT1, LOXL4, HPSE2, CHUK, SEC31B, AL133352.1, KCNIP2, ACTR1A, ARL3, NT5C2, SH3PXD2A, STN1, ITPRIP, GPAM, CCDC186, ABLIM1, GFRA1, SHTN1, PDZD8, CACUL1, TIAL1, C10orf88, CHST15, FAM53B, MKI67, WDR37, AKR1C1, FBH1, ITIH2, CELF2, DHTKD1, CAMK1D, OPTN, MCM10, AC069544.1, PTER, VIM, MRC1, ARL5B, KIAA1217, GPR158, ZNF33A, ZNF37A, BMS1, ZNF485, ARID5B, ADO, SIRT1, CCAR1, SUPV3L1, EIF4EBP2, PALD1, SLC29A3, CHST3, SEC24C, ZSWIM8, PLAU, VCL, KAT6B, SAMD8, ZMIZ1, PPIF, TMEM254, TSPAN14, LDB3, BMPR1A, IFIT3, RPP30, PCGF5, BTAF1, KIF11, CEP55, ENTPD1, LCOR, PGAM1, UBTD1, PI4K2A, ZFYVE27, R3HCC1L, CNNM1, SCD, HIF1AN, PAX2, SEMA4G, LZTS2, BTRC, DPCD, GBF1, MFSD13A, SUFU, CNNM2, SLK, MXI1, RBM20, PDCD4, ACSL5, VTI1A, HMX2, PTPRE, JAKMIP3, DPYSL4, PWWP2B, INPP5A, BET1L, DEAF1, GATD1, CHID1, DUSP8, IGF2, AC132217.2, TRIM21, ARFIP2, RRP8, TPP1, DENND5A, SBF2, RNF141, DKK3, SOX6, PIK3C2A, KCNJ11, USH1C, SPTY2D1, BDNF, CD59, ABTB2, SLC1A2, COMMD9, TP53I11, SYT13, CHST1, HARBI1, ARHGAP1, CKAP5, ARFGAP2, KBTBD4, MTCH2, UBE2L6, OSBP, VPS37C, CYB561A3, SYT7, FADS1, EML3, GANAB, MAP4K2, EHD1, ATG2A, BATF2, SYVN1, LTBP3, MAP3K11, AP5B1, FOSL1, C11orf68, EIF1AD, BRMS1, SLC29A2, ZDHHC24, SPTBN2, PC, CORO1B, PTPRCAP, NUDT8, ALDH3B2, CHKA, C11orf24, SHANK2, LAMTOR1, PGM2L1, ARRB1, GDPD5, LRRC32, PAK1, KCTD14, NARS2, PRCP, RAB30, CCDC90B, DLG2, FZD4, CTSC, SLC36A4, GPR83, MTMR2, MAML2, PGR, POGLUT3, EXPH5, IL18, SIK3, PCSK7, BACE1, FXYD6, FXYD6-FXYD2, SCN4B, IFT46, DDX6, BCL9L, HYOU1, C1QTNF5, MFRP, THY1, NECTIN1, TRIM29, CLMP, SCN3B, SIAE, ESAM, ROBO4, PATE2, SRPRA, C11orf45, ARHGAP32, NFRKB, ZBTB44, OPCML, IFITM1, AC136475.9, PTDSS2, LRRC56, TMEM80, EPS8L2, MUC5B, STIM1, PPFIBP2, TUB, RPL27A, AMPD3, PARVA, TEAD1, PDE3B, TMEM86A, NAV2, GAS2, FIBIN, PRRG4, TCP11L1, CAPRIN1, NAT10, CD44, TRIM44, LDLRAD3, CD82, TSPAN18, CRY2, MDK, ATG13, MADD, SLC39A13, PTPMT1, LRRC55, CTNND1, AP001931.2, DTX4, STX3, MS4A1, MS4A15, CCDC86, TMEM132A, CD6, TMEM216, PPP1R32, LRRC10B, DAGLA, MYRF, FADS2, BEST1, ASRGL1, RTN3, SPINDOC, MARK2, NAA40, VEGFB, RPS6KA4, PPP2R5B, ARL2, MRPL49, FRMD8, SF3B2, PACS1, KLC2, RAB1B, PELI3, BBS1, AP002748.5, RCE1, KDM2A, GRK2, ANKRD13D, RAD9A, NDUFS8, PPP6R3, IGHMBP2, CCND1, CTTN, RNF121, IL18BP, LRTOMT, AP000812.4, PLEKHB1, MRPL48, PPME1, SERPINH1, EMSY, CAPN5, FAT3, AMOTL1, SRSF8, GRIA4, ELMOD1, ATM, DDX10, DIXDC1, DLAT, NCAM1, SIDT2, CEP164, KMT2A, AP001267.5, ARCN1, UPK2, TRAPPC4, ABCG4, CBL, RNF26, OAF, SC5D, SORL1, NRGN, SLC37A2, EI24, FAM118B, ADAMTS15, JAM3, KDM5A, FOXM1, TNFRSF1A, SCNN1A, LPAR5, ING4, MLF2, LPCAT3, C1RL, RBP5, SLC2A14, SLC2A3, OLR1, YBX3, HEBP1, LMO3, SLCO1A2, C2CD5, SOX5, BHLHE41, TM7SF3, TMTC1, IPO8, SINHCAF, DENND5B, GXYLT1, PRICKLE1, SCAF11, SLC38A1, SLC38A2, VDR, SENP1, ASB8, ZNF641, LALBA, ADCY6, ARF3, WNT10B, KMT2D, MCRS1, FMNL3, FAIM2, LIMA1, SLC11A2, FIGNL2, KRT80, SPRYD3, MAP3K12, CALCOCO1, CBX5, ZNF385A, MMP19, RNF41, ANKRD52, CS, STAT2, MIP, AC097104.1, BAZ2A, ZBTB39, NEMP1, STAT6, NDUFA4L2, B4GALNT1, METTL1, CTDSP2, PPM1H, GNS, LLPH, CPM, PTPRB, PHLDA1, BBS10, KITLG, GALNT4, POC1B-GALNT4, EEA1, TMCC3, FGD6, IKBIP, ARL1, ALDH1L2, APPL2, NUAK1, SSH1, KCTD10, GIT2, PPTC7, PPP1CC, PHETA1, HECTD4, DDX54, SLC8B1, SPRING1, FBXO21, NOS1, KSR2, WSB2, CIT, PXN, MSI1, SPPL3, CAMKK2, RHOF, HCAR2, VPS37B, ABCB9, PITPNM2, MPHOSPH9, EIF2B1, RIMBP2, GOLGA3, B4GALNT3, WNK1, ERC1, WNT5B, ADIPOR2, CACNA1C, FKBP4, ITFG2, TSPAN9, TIGAR, KCNA1, LTBR, ENO2, ATN1, C1S, CLSTN3, FOXJ2, NECAP1, ETV6, CDKN1B, APOLD1, EMP1, H2AJ, PLEKHA5, STK38L, KLHL42, DDX11, BICD1, ALG10, ALG10B, PPHLN1, IRAK4, ANO6, PCED1B, SLC48A1, CACNB3, TUBA1C, TROAP, SPATS2, PRPF40B, TMBIM6, ASIC1, SMARCD1, DIP2B, METTL7A, LETMD1, SLC4A8, ACVRL1, ACVR1B, KRT7, ZNF740, MFSD5, SP1, HOXC13, HOXC12, HOXC11, HOXC8, HOXC6, BLOC1S1, IKZF4, ERBB3, PA2G4, NABP2, NAB2, NXPH4, KIF5A, DTX3, TSPAN31, MARCHF9, EEF1AKMT3, AC025165.3, SLC16A7, SRGAP1, XPOT, MSRB3, HMGA2, SLC35E3, RAB3IP, THAP2, NAV3, TMTC2, UTP20, DRAM1, C12orf45, ACACB, UBE3B, ANKRD13A, OAS3, CFAP73, RNFT2, FBXW8, SUDS3, SRRM4, HSPB8, MLEC, UNC119B, HNF1A, P2RX7, P2RX4, BCL7A, HIP1R, C12orf65,

ATP6V0A2, AACS, FBRSL1, GJA3, CRYL1, XPO4, ZDHHC20, SHISA2, FLT1, SLC46A3, SLC7A1, HMGB1, SUPT20H, PROSER1, LHFPL6, ELF1, KBTBD6, VWA8, ZC3H13, LCP1, SUCLA2, LPAR6, SPRYD7, ATP7B, PCDH8, KLF12, KCTD12, SPRY2, STK24, SLC15A1, EFNB2, DCUN1D2, MRPL57, TNFRSF19, SPATA13, NUP58, WASF3, POLR1D, PDX1, MEDAG, RFXAP, NHLRC3, AKAP11, TRIM13, PCDH17, PIBF1, SLITRK5, IPO5, FARP1, UBAC2, ARHGEF7, ATP11A, CCNB1IP1, TEP1, SALL2, DAD1, SLC7A8, HOMEZ, JPH4, STXBP6, PRKD1, EGLN3, SNX6, CLEC14A, KLHL28, L2HGDH, SAV1, ERO1A, GNPNAT1, BMP4, CCDC198, KCNH5, SPTB, MAX, ATP6V1D, TMEM229B, ACTN1, SYNJ2BP, MED6, MAP3K9, PNMA1, MIDEAS, LTBP2, PGF, POMT2, TMED8, SPTLC2, ALKBH1, SEL1L, GALC, KCNK10, PTPN21, RPS6KA5, CCDC88C, FBLN5, PRIMA1, DDX24, DICER1, BCL11B, SLC25A29, WARS1, CINP, CDC42BPB, PPP1R13B, CDCA4, APEX1, METTL17, ARHGEF40, ABHD4, MRPL52, MMP14, LRP10, C14orf119, BCL2L2, THTPA, CARMIL3, GMPR2, NOP9, LTB4R, COCH, NUBPL, NPAS3, FAM177A1, PSMA6, AL121594.1, MIPOL1, LRR1, FRMD6, RTRAF, MAPK1IP1L, AP5M1, RHOJ, CHURC1, CHURC1-FNTB, FNTB, FUT8, EIF2S1, EXD2, GALNT16, SUSD6, PCNX1, SIPA1L1, RGS6, PTGR2, FLVCR2, ADCK1, NRXN3, DGLUCY, UBR7, PAPOLA, CYP46A1, YY1, WDR20, ZNF839, TECPR2, RCOR1, TNFAIP2, TRMT61A, COA8, KLC1, INF2, ADSS1, PACS2, GABRB3, MTMR10, SLC12A6, MEIS2, PLCB2, CCDC32, RMDN3, VPS39, TMEM87A, ZNF106, LRRC57, CDAN1, PPIP5K1, CATSPER2, SLC30A4, SECISBP2L, MYO5C, MYO5A, NEDD4, RFX7, ZNF280D, ADAM10, MYO1E, PPIB, CSNK1G1, PCLAF, PDCD7, IGDCC3, IGDCC4, DPP8, CALML4, AC107871.1, CLN6, ITGA11, UACA, MYO9A, PKM, HEXA, STRA6, EDC3, ULK3, FAM219B, RPP25, PTPN9, CSPG4, PEAK1, BCL2A1, CTXND1, MESD, AP3B2, C15orf40, BTBD1, HDGFL3, KLHL25, RGMA, CERS3, SELENOS, PCSK6, TM2D3, NIPA2, SNRPN, AC124312.1, KLF13, GREM1, FAM98B, EIF2AK4, PAK6, IVD, GCHFR, CHAC1, RTF1, MAPKBP1, MAP1A, SERF2, CTDSPL2, BLOC1S6, USP8, TMOD3, CGNL1, POLR2M, MINDY2, RAB8B, APH1B, SNX22, SMAD3, CORO2B, GLCE, CD276, PML, C15orf39, SNX33, UBE2Q2, MINAR1, ARNT2, TLNRD1, ALPK3, MRPS11, ABHD2, TICRR, IQGAP1, FES, MAN2A2, ST8SIA2, CHD2, MCTP2, ARRDC4, IGF1R, LUC7L, RGS11, AXIN1, FBXL16, GNG13, C1QTNF8, CLCN7, IFT140, NME3, SPSB3, MSRB1, CASKIN1, BRICD5, PGP, ABCA3, ELOB, ADCY9, CORO7, GLYR1, PPL, CARHSP1, EMP2, RSL1D1, XYLT1, RPS15A, SMG1, KNOP1, GP2, THUMPD1, GTF3C1, GSG1L, XPO6, DOC2A, TBC1D10B, ZNF764, ZNF689, STX1B, ZNF668, PRSS53, AC135050.2, PRSS8, PYCARD, SHCBP1, C16orf87, N4BP1, NUDT21, PSME3IP1, GOT2, CMTM4, KIAA0895L, RANBP10, SLC12A4, ESRP2, CHTF8, DERPC, ST3GAL2, COG4, PHLPP2, ZFHX3, GLG1, MLKL, CHST6, ADAT1, MAF, CDYL2, HSDL1, TAF1C, ZDHHC7, MTHFSD, FBXO31, KLHDC4, SLC7A5, RNF166, PIEZO1, CBFA2T3, CHMP1A, FAM234A, RAB11FIP3, CAPN15, PIGQ, RAB40C, RHOT2, SOX8, CRAMP1, MAPK8IP3, FAHD1, GFER, TRAF7, MLST8, CCNF, PDPK1, KCTD5, SRRM2, FLYWCH1, PAQR4, ZNF213, NAA60, GLIS2, ALG1, ABAT, PMM2, CIITA, MRTFB, TMC7, ITPRIPL2, CCP110, VPS35L, TMEM159, METTL9, EEF2K, POLR3E, NPIPB5, HS3ST2, DCTN5, PLK1, PRKCB, TNRC6A, KATNIP, SBK1, ATXN2L, CD19, NFATC2IP, SPN, QPRT, PAGR1, ALDOA, AC093512.2, ITGAL, 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ADGRE2, NOTCH3, BRD4, AKAP8, WIZ, EPS15L1, CHERP, SLC35E1, MED26, UNC13A, PDE4C, AC008397.2, ISYNA1, SUGP2, GMIP, ZNF626, ZNF708, ZNF100, ZNF43, ZNF724, C19orf12, PEPD, DMKN, HSPB6, THAP8, ZFP14, ZNF529, ZNF829, ZNF585A, RINL, SIRT2, EID2B, CCNP, AKT2, C19orf47, PRX, SERTAD3, NUMBL, C19orf54, DMAC2, POU2F2, ERF, PAFAH1B3, CNFN, LYPD3, IRGQ, CADM4, KCNN4, ZNF235, NKPD1, CKM, PPP1R13L, ERCC1, RTN2, OPA3, SNRPD2, SIX5, DMWD, MYPOP, PNMA8A, PNMA8B, DACT3, STRN4, SLC1A5, BBC3, SULT2A1, CARD8, TMEM143, LMTK3, MAMSTR, BCAT2, GYS1, TEAD2, SLC17A7, AKT1S1, NUP62, SIGLEC11, VRK3, KCNC3, LRRC4B, VSIG10L, ZNF614, ZNF611, ZNF28, ZNF468, ZNF320, ZNF160, ZNF677, SYT5, FIZ1, ZNF784, ZNF772, ZNF552, ZNF417, BSG, FSTL3, PALM, CFD, ARID3A, MIDN, CIRBP, SCAMP4, CSNK1G2, OAZ1, ZNF555, NCLN, FZR1, ATCAY, NMRK2, TNFAIP8L1, KDM4B, NRTN, CAPS, TNFSF9, ZNF557, ARHGEF18, PNPLA6, STXBP2, AC008763.2, EVI5L, LRRC8E, MAP2K7, PIN1, PPAN, PDE4A, ATG4D, DNM2, SMARCA4, LDLR, SWSAP1, ZNF69, ZNF791, NFIX, IER2, C19orf53, 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hsa-miR-122b-3p	___
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hsa-miR-151a-5p	USP9Y, C1orf159, CDK11B, SLC35E2B, CDK11A, CHD5, RERE, CASZ1, NPPA, CASP9, AGMAT, HSPB7, RCC2, E2F2, SLC9A1, LAPTM5, KIAA0319L, MTF1, RIMS3, CITED4, EDN2, HIVEP3, C1orf210, SLC6A9, ZSWIM5, MOB3C, ATPAF1, TAL1, DMRTA2, FAF1, TXNDC12, AL445685.3, TACSTD2, GNG12, PLPPR5, SLC25A24, SORT1, SYT6, CSDE1, ITGA10, OTUD7B, APH1A, SEMA6C, RFX5, TPM3, SHC1, UBQLN4, MEF2D, IQGAP3, PIGM, B4GALT3, NMNAT2, APOBEC4, KIF21B, TNNT2, PLEKHA6, PIK3C2B, SLC41A1, NSL1, TMEM63A, ITPKB, FAM89A, ERO1B, VWA1, PER3, TMEM201, PIK3CD, KIF1B, AGTRAP, CLCN6, TNFRSF1B, PRDM2, TMEM51, KLHDC7A, OTUD3, ZBTB40, SELENON, PDIK1L, GPR3, ATP5IF1, KPNA6, SH3D21, MPL, PTPRF, RNF220, CACHD1, ADGRL2, HS2ST1, PKN2, CDC7, SARS1, AHCYL1, KCNC4, DDX20, DCLRE1B, MAN1A2, PRUNE1, ZBTB7B, ADAM15, VANGL2, LY9, FAM20B, XPR1, LAMC1, SMG7, ZC3H11A, ZBED6, SOX13, CDK18, CAMK1G, RCOR3, FBXO28, IBA57, GALNT2, FMN2, ZNF672, LARP4B, FAM171A1, NEBL, ZNF488, VSIR, SPOCK2, DNAJB12, MICU1, AP3M1, KCNMA1, ANXA11, MMRN2, TLL2, DNMBP, SEC31B, AL133352.1, ITPRIP, PDZD8, MKI67, WDR37, OPTN, ARL5B, RAB18, WASHC2A, ZNF365, ADO, CHST3, ADIRF, PAPSS2, KIF11, FRAT1, WNT8B, HIF1AN, PAX2, BTRC, NOLC1, TRIM8, SFXN2, ADRB1, FAM160B1, DENND10, INPP5F, BET1L, IFITM3, GATD1, IGF2, AC132217.2, INS-IGF2, PHLDA2, TPP1, SBF2, DKK3, SYT13, TNKS1BP1, UBE2L6, CYB561A3, NXF1, PPP1R14B, MEN1, EHD1, CDCA5, BRMS1, CORO1B, PITPNM1, UNC93B1, C11orf24, CLPB, FAM168A, MAP6, TENM4, MRE11, POU2AF1, CADM1, MPZL2, BCL9L, DPAGT1, THY1, ROBO4, CDON, RIC8A, IFITM2, BRSK2, TEAD1, NAV2, METTL15, TSPAN18, DTX4, CCDC86, TMEM216, DAGLA, ASRGL1, OTUB1, CAPN1, PACS1, LRFN4, KDM2A, IGHMBP2, NADSYN1, INPPL1, PIWIL4, FUT4, YAP1, GRIA4, ATM, C11orf87, SIDT2, VPS26B, VAMP1, NOP2, AC006064.6, MANSC1, HEBP1, TMTC1, DENND5B, SLC38A2, ARF3, FAIM2, FIGNL2, KRT80, CALCOCO1, RNF41, CS, GNS, KCNC2, PHLDA1, ANKS1B, SART3, SELPLG, CORO1C, PHETA1, HECTD4, DDX54, RBM19, KSR2, RAB35, PITPNM2, SCARB1, RIMBP2, GOLGA3, ERC1, ADIPOR2, TULP3, RIMKLB, GABARAPL1, ETV6, WNT1, DAZAP2, HOXC11, HOXC8, HOXC6, GDF11, PA2G4, SLC16A7, FRS2, NUDT4, ACACB, SH2B3, PLBD2, SUDS3, MLEC, BCL7A, MLXIP, DENR, KMT5A, GLT1D1, ULK1, FBRSL1, SLC7A1, EPSTI1, NUFIP1, ZIC5, GGACT, EFNB2, IRS2, TNFRSF19, WDFY2, TDRD3, IPO5, ARHGEF7, MCF2L, SLC7A8, MYH7, RALGAPA1, TMEM30B, RAB15, PLEK2, MIDEAS, TMED8, SPTLC2, FOXN3, ATG2B, SETD3, JAG2, MMP14, PABPN1, BCL2L2-PABPN1, IRF9, AL136295.5, NFATC4, PNN, GPR137C, SAMD4A, PELI2, SLC39A9, DCAF4, PPP2R5C, TECPR2, AMN, TNFAIP2, TRMT61A, ADSS1, HERC2, SLC12A6, BMF, ZNF106, MYO5A, OAZ2, RBPMS2, PARP16, LARP6, RPP25, PEAK1, TBC1D2B, DET1, PCSK6, NIPA1, GCHFR, MAPKBP1, AQP9, ZNF609, HACD3, SMAD3, THSD4, NEO1, PML, ISLR2, ARID3B, CSK, MPI, C15orf39, SNX33, ARNT2, ZSCAN2, IQGAP1, CRTC3, UNC45A, IGF1R, PGAP6, JMJD8, C16orf91, CLCN7, NME3,

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CDK17, UHRF1BP1L, NT5DC3, NFYB, SART3, SSH1, FOXN4, MMAB, GIT2, ANAPC7, PPTC7, NAA25, DDX54, TBX3, MED13L, FBXO21, VSIG10, PXN, MSI1, TRIAP1, COQ5, C12orf43, KDM2B, VPS33A, AC048338.1, CLIP1, VPS37B, PITPNM2, MPHOSPH9, CDK2AP1, SCARB1, DHX37, STX2, DDX51, POLE, ANKLE2, GOLGA3, ZNF605, B4GALNT3, WNK1, ERC1, WNT5B, FKBP4, ITFG2, TULP3, TSPAN9, CCND2, TIGAR, AC008012.1, RAD51AP1, NDUFA9, AC005833.1, PTMS, LRRC23, CLSTN3, FOXJ2, NECAP1, RIMKLB, CLEC2D, GABARAPL1, ETV6, APOLD1, DDX47, FAM234B, ATF7IP, H2AJ, STRAP, AEBP2, PDE3A, GOLT1B, ETNK1, MED21, STK38L, KLHL42, TSPAN11, DDX11, ETFBKMT, BICD1, DNM1L, ALG10B, LRRK2, PPHLN1, ANO6, ARID2, SLC48A1, SMARCD1, DIP2B, SLC4A8, ACVRL1, ACVR1B, TNS2, ZNF740, SP1, PCBP2, HOXC11, HNRNPA1, RAB5B, ERBB3, RBMS2, HSD17B6, LRP1, MARCHF9, EEF1AKMT3, SRGAP1, RASSF3, TBC1D30, MSRB3, HMGA2, HELB, CAND1, DYRK2, NUP107, CPSF6, LYZ, FRS2, CCT2, TRHDE, OTOGL, TMTC2, C12orf29, MRPL42, SNRPF, AMDHD1, ELK3, SCYL2, DRAM1, PARPBP, TXNRD1, WASHC4, TCP11L2, RFX4, RIC8B, 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	CAAP1, MOB3B, TOPORS, AQP3, CNTFR, ARHGEF39, RNF38, PTAR1, KLF9, ALDH1A1, C9orf40, RASEF, FRMD3, HNRNPK, DIRAS2, IPPK, FAM120AOS, PTCH1, ZNF367, TSTD2, TBC1D2, ERP44, PGAP4, GRIN3A, ABCA1, ELP1, CTNNAL1, TMEM245, PTBP3, CDC26, POLE3, MEGF9, TRAF1, RAB14, STRBP, ST6GALNAC6, AL157935.2, ASB6, FNBP1, RAPGEF1, SETX, TSC1, CAMSAP1, KANK1, SLC1A1, PLPP6, SH3GL2, ADAMTSL1, DENND4C, MTAP, ACO1, DNAJA1, NFX1, RECK, MELK, DCAF10, PIP5K1B, FXN, GDA, ANXA1, VPS13A, PSAT1, NTRK2, SPIN1, S1PR3, CENPP, PTPDC1, MFSD14B, ERCC6L2, TGFBR1, SEC61B, ZNF189, SMC2, FSD1L, FKTN, TMEM38B, ZNF462, PALM2AKAP2, HSDL2, SNX30, SLC31A2, SLC31A1, TLR4, CNTRL, OLFML2A, GAPVD1, ZBTB34, LRSAM1, SLC25A25, URM1, SET, TBC1D13, GPR107, FUBP3, AIF1L, GTF3C4, RABL6, UAP1L1, ANOS1, TRAPPC2, CLTRN, AP1S2, SCML2, ADGRG2, MAP7D2, EIF1AX, RPS6KA3, KLHL15, DYNLT3, MED14, ZNF41, SLC35A2, TFE3, FAM156A, SMC1A, WNK3, SPIN3, ZXDA, AMER1, ITM2A, BRWD3, CHM, NAP1L3, ARMCX2, TCEAL5, MORF4L2, MORC4, AMMECR1, SEPTIN6, ZDHHC9, ZNF280C, MBNL3, GPC4, RTL8B, ZNF75D, ATP11C, IDS, AC244197.3, TMEM185A, MECP2, DNASE1L1, CLIC2, TMLHE, CLCN4, MSL3, REPS2, PPEF1, PDHA1, CNKSR2, MBTPS2, PTCHD1, PRRG1, LANCL3, SYTL5, MID1IP1, DDX3X, MAOA, RP2, JADE3, CCDC120, CLCN5, FAM156B, MAGEH1, ZC3H12B, DLG3, TAF1, OGT, CHIC1, SLC16A2, UPRT, SH3BGRL, DACH2, PCDH11X, FAM133A, ARMCX1, ARMCX3, ARMCX5, GPRASP1, GPRASP2, BHLHB9, ARMCX5-GPRASP2, TCEAL3, NRK, RNF128, ATG4A, COL4A5, NXT2, SLC6A14, WDR44, PGRMC1, UBE2A, ZBTB33, GRIA3, STAG2, PHF6, SMIM10, ZNF449, SLC9A6, FMR1, MAMLD1, MTMR1, HMGB3, IKBKG, BRCC3
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	SMURF1, PDAP1, PTCD1, TRIM4, IFT22, POLR2J, RASA4, ORC5, SRPK2, ATXN7L1, SYPL1, CCDC71L, COG5, NRCAM, DOCK4, TMEM168, GPR85, TFEC, ASZ1, TSPAN12, GPR37, RBM28, UBE2H, PODXL, SLC35B4, AKR1B1, CYREN, CNOT4, MTPN, CREB3L2, HIPK2, KDM7A, MRPS33, DENND11, TCAF1, EZH2, PDIA4, ZNF786, ZNF746, ACTR3C, GIMAP6, KMT2C, SHH, LMBR1, PTPRN2, ESYT2, VIPR2, SUN1, GET4, LFNG, IQCE, AMZ1, SDK1, FOXK1, RBAK, WIPI2, SLC29A4, CCZ1, RAC1, GLCCI1, NXPH1, PHF14, TMEM106B, ARL4A, TSPAN13, AHR, HDAC9, ITGB8, SP4, NFE2L3, CBX3, TAX1BP1, CREB5, MTURN, AQP1, FKBP9, SEPTIN7, STARD3NL, RALA, DBNL, AEBP1, ZMIZ2, PPIA, IGFBP1, ABCA13, EGFR, CCT6A, SUMF2, ZNF107, ZNF273, ZNF92, RABGEF1, AC027644.4, TMEM248, TYW1, AUTS2, POM121, CLIP2, MDH2, PHTF2, GNAI1, DMTF1, CROT, ADAM22, STEAP2, CLDN12, CDK14, FZD1, ANKIB1, VPS50, PEG10, LMTK2, BRI3, NPTX2, ZNF655, ZSCAN25, ZKSCAN1, PILRB, MEPCE, ORAI2, FAM185A, LRRC17, ARMC10, PMPCB, PSMC2, KMT2E, PIK3CG, PRKAR2B, DUS4L, BCAP29, DUS4L-BCAP29, DLD, ZNF277, FOXP2, MDFIC, CAV2, CAV1, CAPZA2, KCND2, ING3, CPED1, PTPRZ1, METTL2B, CALU, AHCYL2, MKLN1, BPGM, CALD1, CHRM2, TTC26, UBN2, LUC7L2, NDUFB2, TMEM178B, CNTNAP2, CUL1, ZNF282, ZNF783, LRRC61, GIMAP7, ABCB8, NOM1, DNAJB6, ANGPT2, MFHAS1, PPP1R3B, SOX7, XKR6, FAM167A, LONRF1, DLC1, MSR1, CNOT7, MTUS1, ASAH1, PSD3, CSGALNACT1, REEP4, NKX3-1, NEFL, PNMA2, ZNF395, GTF2E2, TEX15, PURG, BRF2, NSD3, FGFR1, ANK1, SLC20A2, SNAI2, ST18, RB1CC1, TCEA1, LYPLA1, PLAG1, BPNT2, ASPH, ARMC1, MYBL1, VCPIP1, ARFGEF1, NCOA2, TRAM1, UBE2W, ELOC, ZNF704, PAG1, PMP2, SNX16, RMDN1, DCAF4L2, MMP16, CALB1, TMEM64, PIP4P2, RUNX1T1, TRIQK, RBM12B, GEM, RAD54B, TP53INP1, C8orf37, TSPYL5, RPL30, NIPAL2, FBXO43, ANKRD46, PABPC1, ZNF706, RRM2B, AZIN1, LRP12, ANGPT1, TRPS1, SAMD12, DERL1, FBXO32, ANXA13, MTSS1, LRATD2, ASAP1, SLC45A4, JRK, LYNX1, FBXO25, MCPH1, AGPAT5, ERI1, TNKS, MSRA, MTMR9, FDFT1, TRMT9B, TUSC3, MICU3, ZDHHC2, SLC7A2, FAM160B2, SLC39A14, RHOBTB2, CHMP7, SLC25A37, NEFM, DOCK5, PPP2R2A, ESCO2, LEPROTL1, RBPMS, NRG1, MAK16, UNC5D, ZNF703, ERLIN2, ADGRA2, LETM2, TACC1, PLEKHA2, ADAM9, GOLGA7, AP3M2, HOOK3, HGSNAT, SPIDR, UBE2V2, UBXN2B, SDCBP, RAB2A, YTHDF3, SGK3, CSPP1, PREX2, RDH10, PI15, ZFHX4, ZBTB10, CA2, WWP1, OSGIN2, NECAB1, ESRP1, DPY19L4, PLEKHF2, SDC2, MTDH, KCNS2, VPS13B, POLR2K, GRHL2, ATP6V1C1, BAALC, FZD6, DCAF13, RIMS2, ZFPM2, OXR1, MAL2, CCN3, DEPTOR, TBC1D31, FAM91A1, ZNF572, SQLE, TRIB1, EFR3A, PHF20L1, KHDRBS3, CHRAC1, KIFC2, PPP1R16A, LRRC14, C8orf33, GLIS3, KIAA2026, RANBP6, MPDZ, NFIB, ZDHHC21, PSIP1, BNC2, MLLT3, CDKN2B, ELAVL2, CAAP1, LRRC19, LINGO2, DDX58, AL353671.1, SMU1, B4GALT1, BAG1, NOL6, DCAF12, VCP, RNF38, PAX5, ZBTB5, EXOSC3, IGFBPL1, PTAR1, KLF9, TRPM3, ABHD17B, ZFAND5, C9orf40, GNAQ, UBQLN1, GKAP1, HNRNPK, AGTPBP1, GOLM1, GAS1, SEMA4D, DIRAS2, NOL8, BICD2, ZNF484, FAM120AOS, PTCH1, SLC35D2, AL160269.1, ZNF367, CDC14B, ZNF782, TRIM14, TBC1D2, GABBR2, ANKS6, ALG2, ERP44, MRPL50, ABCA1, TMEM245, EPB41L4B, PTPN3, LPAR1, ECPAS, PTBP3, FKBP15, ALAD, CDK5RAP2, MEGF9, FBXW2, PSMD5, STOM, RBM18, RC3H2, ZBTB26, STRBP, DENND1A, ANGPTL2, NAIF1, ZER1, PTGES, TOR1A, FNBP1, SETX, TTF1, TSC1, SURF4, VAV2, C9orf116, CAMSAP1, SEC16A, EDF1, TMEM203, VLDLR, SLC1A1, PLPP6, CDC37L1, RCL1, CNTLN, SH3GL2, RRAGA, MTAP, NFX1, UBE2R2, UBAP1, DNAJB5, RECK, DCAF10, FAM122A, PIP5K1B, TJP2, AL358113.1, FAM189A2, MAMDC2, SMC5, GDA, VPS13A, CEP78, PSAT1, TLE4, NTRK2, SPIN1, S1PR3, FAM120A, MFSD14B, HABP4, NCBP1, FOXE1, TGFBR1, NR4A3, STX17, INVS, TMEFF1, MSANTD3-TMEFF1, SMC2, SLC44A1, FKTN, TMEM38B, RAD23B, PALM2AKAP2, ZNF483, SNX30, PRPF4, RGS3, ZNF618, TMEM268, PAPPA, GSN, DAB2IP, RABGAP1, PBX3, ZBTB43, ZBTB34, RALGPS1, SLC2A8, SLC25A25, ODF2, GLE1, GPR107, NCS1, ASS1, FUBP3, AIF1L, POMT1, RXRA, PMPCA, UAP1L1, CACNA1B, SLC25A6, ARSD, ANOS1, MID1, GPM6B, PIGA, PIR, CTPS2, SCML2, SH3KBP1, KLHL15, TAB3, DMD, TMEM47, DYNLT3, RPGR, SLC9A7, SYN1, OTUD5, KDM5C, SMC1A, SPIN3, ZXDA, SPIN4, AMER1, MTMR8, EDA2R, HDAC8, NAP1L2, RLIM, NEXMIF, ATRX, MAGT1, BRWD3, CHM, PCDH19, SYTL4, RAB9B, RBM41, ACSL4, AMMECR1, CHRDL1, DCX, AMOT, KIAA1210, SEPTIN6, TMEM255A, LAMP2, CUL4B, C1GALT1C1, APLN, ELF4, AIFM1, ENOX2, IGSF1, RAP2C, MBNL3, HS6ST2, GPC3, FAM122B, MOSPD1, ZNF75D, RBMX, MCF2, ATP11C, SLITRK4, CD99L2, MAGEA6, MECP2, RAB39B, CLIC2, GYG2, STS, TBL1X, SHROOM2, CLCN4, HCCS, MSL3, FRMPD4, TLR7, TMSB4X, CA5B, SYAP1, REPS2, NHS, CNKSR2, SMS, ZFX, POLA1, PRRG1, LANCL3, MID1IP1, USP9X, KRBOX4, RP2, JADE3, ZNF81, RBM3, PLP2, CLCN5, GSPT2, MAGED1, GNL3L, PAGE5, UBQLN2, ZXDB, MSN, AR, YIPF6, DLG3, MED12, CHIC1, ATP7A, SH3BGRL, APOOL, ZNF711, DIAPH2, ARMCX3, BHLHB9, ARMCX5-GPRASP2, TCEAL7, TCEAL1, RNF128, TBC1D8B, ATG4A, NXT2, DOCK11, IL13RA1, PGRMC1, SLC25A43, UBE2A, ZBTB33, GRIA3, XIAP, STAG2, OCRL, PHF6, HPRT1, ZNF449, INTS6L, SLC9A6, FHL1, FMR1, AFF2, VMA21, MAGEA3, ZNF275, ATP2B3, GDI1, BRCC3, ZFY, USP9Y
hsa-miR-511-5p	——
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hsa-miR-99a-5p	MXRA8, ICMT, MTOR, E2F2, RUNX3, C1orf109, MTF1, MYCBP, HIVEP3, FOXJ3, PIK3R3, TTC39A, RAB3B, HENMT1, PRKAB2, RORC, GATAD2B, SLC39A1, AL358472.7, SHC1, MEF2D, ETV3, F11R, NIBAN1, JMJD4, GNG4, OPN3, VWA1, SKI, CAMTA1, SPSB1, KIF1B, CLCN6, PRDM2, SPEN, SZRD1, CROCC, NIPAL3, CEP85, ZDHHC18, SMPDL3B, LURAP1, ZFYVE9, PCSK9, RAVER2, DNAJB4, LRRC8B, PLPPR4, RAP1A, CHRNB2, EFNA1, ATP1A2, ATP2B4, SNRPE, C1orf115, RYR2, DESI2, LARP4B, UPF2, BEND7, NMT2, NEBL, FZD8, HNRNPF, SPOCK2, DLG5, PDZD8, WDR37, PFKFB3, SGPL1, CHST3, PPIF, TSPAN14, IFIT3, ZNF518A, FRAT1, R3HCC1L, SEMA4G, PDCD11, EDRF1, PIDD1, CHID1, IGF2, AC132217.2, DENND2B, SLC43A3, SYT7, NXF1, RBM4B, SPTBN2, LTO1, PDE2A, NOX4, MRE11, DCUN1D5, SLC35F2, TIMM10B, API5, C11orf49, RNF121, USP35, TMEM135, ANKRD49, UBE4A, CBL, SORL1, ST14, TNFRSF1A, SCNN1A, SENP1, KMT2D, RHEBL1, FAIM2, ANKRD52, BAZ2A, CTDSP2, PPM1H, GNS, E2F7, ATP2B1, NT5DC3, C12orf73, KCTD10, ATXN2, RBM19, POLE, GOLGA3, B4GALNT3, PYROXD1, SMARCD1, HOXC5, GDF11, IKZF4, RAP1B, UBE3B, PTPN11, PLBD2, SUDS3, SETD1B, AACS, RCBTB1, ATP7B, MYCBP2, EFNB2, RASA3, GPR180, RAP2A, FARP1, ATP11A, HOMEZ, FOXA1, RAB15, DCAF5, WARS1, BAG5, ABHD4, SSTR1, PLEKHH1, KLC1, AL139300.1, CEP170B, BMF, ZNF106, TLE3, EDC3, NTRK3, ZFYVE19, MAPKBP1, GOLM2, MINDY2, ARID3B, IREB2, AKAP13, ABHD2, FANCI, MAN2A2, SV2B, IGF1R, AXIN1, CIAO3, CLCN7, BRICD5, PGP, RRN3, GDE1, GPRC5B, GTF3C1, SLC38A7, RANBP10, ZNF19, CDYL2, MEAK7, DBNDD1, RAB11FIP3, JPT2, FAHD1, ZNF75A, RBFOX1, EEF2K, HS3ST2, SPN, INO80E, ADGRG1, NIP7, WWP2, JPH3, RFLNB, P2RX5, ZZEF1, CXCL16, ZBTB4, TMEM11, CORO6, CWC25, PGAP3, STAT5B, MBTD1, SGSM2, PIMREG, ACADVL, KDM6B, COX10, HS3ST3B1, GID4, EPN2, TAOK1, NF1, NMT1, TBKBP1, MRC2, RNF213, RPTOR, LPIN2, NPC1, HDHD2, DIPK1C, ZADH2, RNMT, MAPRE2, ELP2, C18orf25, ONECUT2, CNDP2, C19orf25, MBD3, CACTIN, ZBTB7A, DNASE2, ADGRE2, CHERP, PNMA8A, FUT1, ZNF784, MZF1, BSG, ARID3A, SPPL2B, MAP2K7, ZNF317, SLC44A2, SMARCA4, MYO9B, CCDC124, MAU2, ZNF430, NUDT19, TBCB, CAPNS1, ZNF793, ZNF576, RELB, SAE1, PPFIA3, ZNF845, MYADM, SDC1, HS1BP3, KIF3C, CALM2, FBXO11, PPP4R3B, CYP26B1, HS6ST1, TTC30A, FAM126B, RAPH1, FZD5, KIF1A, HDLBP, GRHL1, TRIB2, FOSL2, PPP1CB, RASGRP3, ANTXR1, RMND5A, TMEM87B, INHBB, AMER3, PLEKHB2, EPC2, ANKAR, FZD7, BMPR2, COPS7B, SH3BP4, ACKR3, C20orf194, CD93, NOL4L, RIMS4, PREX1, LAMA5, STMN3, STK35, PANK2, CDS2, INSM1, ENTPD6, EPB41L1, OSBPL2, RTEL1-TNFRSF6B, RTEL1, DNAJC5, ADAMTS3, N6AMT1, HLCS, DYRK1A, ETS2, PKNOX1, PDXK, BID, DGCR2, LIF, PIK3IP1, APOL2, MFNG, CSNK1E, CBX7, SULT4A1, RTL6, WNT7B, CELSR1, CCDC117, KREMEN1, MTMR3, OSBP2, CCDC134, PPARA, TTC38, RBSN, ANKRD28, SATB1, LRRFIP2, CDC25A, IP6K1, FOXP1, MGLL, RAB6B, HLTF, SLC33A1, PHC3, ABCC5, XXYLT1, ACAP2, JAGN1, PLCL2, TRIM71, CTDSPL, ACVR2B, SLC25A38, TRAK1, NKTR, ZNF197, SEMA3B, FLNB, KBTBD8, PLXNA1, U2SURP, MBNL1, GMPS, GFM1, CLDN11, DVL3, LRPAP1, GNPDA2, SGCB, HNRNPDL, COQ2, WDFY3, PPP3CA, ELOVL6, MAP9, ZNF595, FGFR3, CPEB2, PCDH7, KLF3, THAP6, BMP2K, AP1AR, SMARCA5, TRIM2, ETFDH, TPPP, CMBL, LHFPL2, MCC, SEMA6A, HDAC3, PRELID2, RBM22, ADAM19, KIAA1191, DBN1, CLK4, TRIM52, TENT4A, OTULIN, CDH6, C5orf22, NPR3, TNFAIP8, SLC12A2, WDR55, SH3RF2, NDST1, TTC1, ERGIC1, TSPAN17, N4BP3, TRIM41, LYRM4, ILRUN, FKBP5, BTBD9, TRAM2, TMEM30A, SYNCRIP, RRAGD, TSPYL4, RNF144B, SRSF3, NFYA, PRDM1, FOXO3, SLC35F1, SNX9, TULP4, FBXL18, HOXA1, HIP1, CDK6, IMPDH1, PODXL, KIAA1549, ZC3HAV1, HIPK2, ZNF786, GIMAP6, PTPRN2, SUN1, GET4, TTYH3, RAC1, C7orf26, ZNRF2, EPDR1, PPIA, ADCY1, AUTS2, CLDN4, CLIP2, SRRM3, FZD1, STMP1, GALNT11, DNAJB6, MFHAS1, ARFGEF1, RMDN1, RUNX1T1, NIPAL2, NDRG1, ZFAT, AGO2, JRK, MYOM2, NEIL2, BMP1, NEFM, TACC1, PI15, TRIB1, FAM219A, FANCC, CDK5RAP2, NR6A1, TOR2A, ST6GALNAC4, FAM102A, CIZ1, PTGES, FNBP1, SETX, CARD9, INPP5E, NPDC1, VLDLR, CD274, MTAP, PHF24, SLC44A1, ZNF483, UGCG, ZNF618, SLC27A4, NUP188, NCS1, RABL6, ARSD, SYP, SMC1A, NUP62CL, AMMECR1, TENM1, ZNF280C, ATP11C, MECP2, ZFX, PPP1R3F, TSPYL2, GNL3L, ZCCHC12, SASH3, INTS6L, MTMR1, DUSP9, ATP6AP1

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hsa-miR-122-5p	HNRNPU, CPEB1, CD40LG, ANKRD13C, ZNF827, RANBP3L, GYS1, MYO9A, SLC52A2, WDR47, SEC22C, RABL6, GABRA3, TBC1D10B, UBXN7, P4HA1, ADSS, CLIC5, IGSF5, CS, SLCO5A1, RAVER1, CD320, CCDC186, FUNDC2, PIP4K2A, MYOCD, DNAH2, MECOM, DICER1, SLC7A14, KCNN3, FLNB, SPRY2, NOL4L, PDK4, CTNNA3, HECTD3, MIPOL1, CTDNEP1, TRPM1, RBL1, RBM43, FKBP5, VAMP3, OCLN, CUX1, GNPDA2, G6PD, RBM47, GIT1, CA10, C21orf62, SLC7A1, MOSPD1, CCNG1, ADGRB2, SHPRH, DDR2, GRPR, SMYD4, MICU3, MAP3K12, BRPF1, SMARCD1, TBC1D22B, C19orf54, ZNF213, TBR1, CYP20A1, GALNT1, KIF11, SEMA4D, SLC4A8, STMN2, PKM, FAM102A, ARFGEF1, HECW2, SESN2, PRR11, CLIC4, PTBP3, ABHD11, SLC25A34, RBMS2, LAMC1, ADAM10, TRPS1, TUBA1C, TFB1M, ZSCAN30, DLAT, GALNT3, GPLD1, KIF5B, USP53, TRMT61B, SMARCC2, NOCT, YPEL4, EPO, CUBN, GRK3, MRPS11, MAF1, UPK1B, ZNF696, CDH6, BACH2, SLC9A1, SHANK1, SV2B, OCRL, SUCLA2, PXMP4, DR1, ATP6V0A2, NPHS1, HIF3A, NFAT5, PAPOLA, GTF3C2, SCN3B, C7orf43, CDC42BPB, ZNF365, SLC12A6, EOGT, PRLR, PHF19, SOX17, CCDC97, LRP10, GNG13, DEDD, XKR6, CCDC43, YKT6, C15orf53, DUSP26, PDE7A, TNFRSF19, BTBD2, CCAR1, ERICH3, SPOCK2, NPAS3, RDH12, DENND2A, IQGAP1, CXCR2, FOXL2NB, ATP1A2, KLHL20, AKT3, MASP1, RNF125, DNAJC22, FOXK2, EFHC1, CACNA2D2, PRDM12, CEP55, CCNYL1, PTPRB, GLUL, GALC, TMEM216, SNED1, C9orf85, DNAJC18, FAM227A, ICA1L, ALDOA, ADAM33, NT5C3A, CDA, GALNT12, SOX11, MTG2, FAM117B, PROK2, SFT2D1, SAMD5, KDELC2, RSPO1, SLC7A5, SORCS2, KCTD7, HHAT, HPSE2, G6PC3, SOX6, PLEKHB2, CCDC150, ZNF322, CCDC90B, RGR, RPL7L1, VANGL1, NOS1, PCDHAC1, DLG2, ACVR1, GRAMD2B, KIAA1191, ATF7, RUNX2, PELI1, TIMM50, PLAG1, NPIPB3, STX16, LRRC28,

	ORAI2, ZNF107, NPIPB5, NPIPB11, MLLT1, ZNF589, IL1RN, VPS39, SCN9A, GALNT8, PRKRA, PAX8, ZNF106, ZNF614, NPIPB4, SLC6A11, TANGO2, CDKN2AIPNL, RRP7A, BICD1, LUC7L, CYP27C1, RFXAP, GPR107, CACYBP, ZBTB8A, HOXC13, PHF14, RDH8, LCE5A, VPS53, NUDT10, FMNL3, NPIPB13, ZNF346, GPD1L, COX16, PHKA1, EFCAB2, IFITM5, ABHD18, SAMD12, RLN3, SLC4A3, SYNJ2BP-COX16, CD58, OR51E2, GALNT13, RAD1, TREML2, ARFGEF3, ZBTB41, GPM6B, ASAH1, MED26, CLDN2, NPC1L1, MAP3K20, G3BP2, SLC52A1, KLHDC1, CBL, TMC7, KLF6, AGMAT, COX10, OPA3, FAM219A, SEC14L4, RABGAP1L, NFX1, TNFSF14, DSG2, METTL8, NPEPPS, SYT13, TMX3, MED29, TMCC3, C18orf32, DSTYK, FOXP1, ARHGAP22, RELL1, ZNF264, RIMKLA, ZFP82, LYPD6, VSTM4, KREMEN1, RCSD1, LILRB1, ABR, KCNC2, CABP5, NDRG3, RIMS1, UNC5D, ERCC1, CCDC6, GNPDA1, C8orf86, URM1, RPL17-C18orf32, ARPIN-AP3S2, RHOJ, AVIL, ZNF483, CHST12, AP3S2, FOXP2, KLK10, TSPAN6, NUMBL, GRHL2, KLB, SRF, F8, SFXN1, LYRM7, ATP1B2, LRP11, ZNF101, NICN1, GOLPH3L, DBT, ATF6, FAM47E-STBD1, RB1CC1, GPIHBP1, SLC41A1, SP2, CLIC1, REL, MGAT4A, ELFN2, RAB44, PPP1R9A, MTMR9, MTAP, SHROOM4, PNPT1, ADCY1, TNFRSF1B, SLC13A5, KCNJ13, CCDC157, NABP2, SPTY2D1, TFDP2, NAPEPLD, ITIH5, ERCC6L2, TOB2, PAK3, ANTXR1, STON2, VHL, RNF32, AARS2, TREM1, CCDC174, ZDHHC20, ERBB4, MYOZ3, UCP3, MYCL, PRMT2, FLVCR1, TRIM56, FABP7, BCDIN3D, CD96, WDR93, NKAIN2, SUSD6, MAP3K3, PEG10, RBM38, OPRK1, PTPN2, SLITRK3, BCAS1, TBC1D20, PIAS2, ZNF429, FBXL20, MSRB3, PLEKHB1, TMTC1, PGM2L1, ZNF142, GYPA, MGAT5, RPL28, CWC27, MMGT1, PMEPA1, NMNAT1, SLC10A3, ULK4, ZBTB4, PHACTR4, ACER2, TGFBRAP1, CD84, KRTAP12-2, GSTM4, UPK2, IGFBP5, SYNDIG1, BCR, AGO1, MID1, TMEM47, ST6GALNAC4, ZKSCAN1, KRTAP12-1, HIP1R, KRT36, NCAPD2, VNN1, BCL2A1, H1F0, SLC2A3, TTC39A, POLH, ACBD7, FOXO3, IFITM1, IHH, ARHGAP31, NONO, PVR, PBOV1, IKZF3, FAM155B, HAVCR1, WIPF3, KCNV1, TMEM18, MFSD11, ATP5MF-PTCD1, KCP, CANX, GPR1, LILRB3, APOPT1, PTCD1, GLCE, SWSAP1, TIMM22, ARSA, YIPF5, FCRL5, ANKIB1, USP8, DUSP18, JHY, NRIP1, NSMF, PAX7, ZNF430, CLN8, ZNF708, METTL9, ASCL1, HEPHL1, SCEL, MRPL52, ZSWIM1, RFC2, MTHFD2, RBP5, FOXRED2
hsa-miR-122b-3p	STK38L, PCDH19, CDK8, TSC22D2, GRIA2, NAP1L5, TOGARAM1, ATP1B1, LAMP1, ZNF326, UBE4B, AKAP11, MAP3K1, MAP2K4, FYTTD1, PARD3B, ALCAM, PHYHIPL, FOXO3, GPM6A, ELL2, RRAGB, ZIC5, SERINC5, OR10W1, CDK14, SMAD7, CAMSAP2, TMEFF1, TMEM164, SNRK, PPP1R2, SEH1L, CPEB2, GAD2, TIAM1, MAGEB18, HS2ST1, DDX4, UMAD1, FAM83H, SRSF2, RC3H1, RTN3, ZC3H12C, SLC35B3, USP51, WDR33, FSBP, RIPOR3, BCL2L11, FXR1, TOPORS, HSD17B11, FOXR2, TANGO2, TAP1, RDX, PWWP3B, RAD54B, SAMD8, CDADC1, TFG, UBN1, PDCD10, MLX, TMA16, GCOM1, TRIO, ZNF800, GPR161, MYCL, C9orf72, FAM117A, POLR2M, WTAP, CCDC85A, APPL1, CCL28, RUNX1T1, SS18L1, CTDSPL, AAK1, ZFP42, PEG3, KIRREL3, NFYB, RPS6KA6, DCUN1D4, COL19A1, OARD1, RIPK1, CYP3A5, YWHAG, STAU2, NUDT3, ZNF704, CHIC2, SP1, CDK17, RPS10-NUDT3, ZZZ3, HOXC9, CLCN4, PRKG1, MMD, RINT1, C2CD3, PPP1CC, USP4, PSEN1, PDIA4, STMN4, UCHL5, WDR82, UBA3, DHRSX, LOX, HERC3, TMEM242, ING3, TMEM94, PLA2G12B, GRM5, FAM122B, PHC3, BTBD7, ANOS1, SMARCE1, NAV3, CANX, DNAJB4, SRCIN1, TMLHE, MBNL3, MSANTD3-TMEFF1, PDE4B, TMEM43, AGTR1, DR1, RCOR3, ATP2B1, PPP1R1A, TMCC3, NLGN4X, COBL, SMG1, PCLAF, CTNNA3, PDZRN4, MAGEL2, DIRAS1, PLXNA4, SLC35G1, GPATCH2L, YIPF4, FAT3, TM4SF20, PCGF5, GAP43, RABL3, TRAPPC4, ZNF608, STRAP, CAMK2A, ASCC3, KIN, UBR5, PPP6R3, STX17, MARF1, SHC3, PTPRK, TBC1D19, DAB2IP, FREM3, PRKCH, ZBTB18, ARF3, TDRP, YAE1, NFAT5, ARHGEF7, RAI14, NAA15, MYB, KLHL3, PLPP4, ADIPOQ, MYZAP, NFATC3, MAP3K20, JCAD, E2F7, CCER1, C2orf69, SMG7, OCRL, CLEC7A, PKP4, USP44, KLK11, GALNT15, CBX4, RYBP, MIB1, ZNF609, CDK6, SHTN1, PCDHA3, ZNF302, PCDHA8, PCDHAC1, PCDHA9, PCDHAC2, PCDHA13, PCDHA4, PCDHA1, PNPLA8, REEP1, PCDHA10, PCDHA5, PCDHA7, PPFIA2, PCDHA2, MED13, DLGAP1, PCDHA12, SMAD5, PCDHA6, PCDHA11, HOOK3, UHRF2, SHISA7, ZNRF1, RDH14, IPO5, ICOS, GAREM1, SIRPA, TNN, NT5C1B-RDH14, TSC1, TMEM170B, DTL, MAPK1, DNAJC15, PREP, GRID1, ZNF200, ADTRP, ZNF891, SRSF1, GIMAP6, CDH11, ZFHX3, RPS6KA2, PLGLB2, USP45, CLCN3, CHST3, PPFIBP1, IGFBP4, CYLD, POU4F2, CTPS1, APOPT1, PLGLB1, DUXA, AHCYL1, GABRB3, ZNF250, MON2, YPEL5, AMD1, SLC9A7, BCL11A, IPCEF1, ELK4, PHYHD1, UBXN7, CCAR1, FASN, MAFB, PRPF40B, TMX4, RCBTB1, CHORDC1, INO80D, GNAQ, L2HGDH, AMIGO2, PRPS2, ZNF621, ITPRID2, CUL5, GFRA1, DUT, TMEM56-RWDD3, CLTC, MTA2, RBM33, FRS2, RBPMS, NCALD, ZNF101, GJA1, SEMA3E, PACRGL, NUFIP2, MDM4, ST6GALNAC5, WWC2, ENTPD4, SV2C, TRIQK, BAALC, ARNTL, PGAP1, LITAF, S1PR3, SDC2, ADCK1, B4GALT6, PLXDC2, CBLB, NIPA1, TFRC, MAP3K7, GRHL1, AGGF1, PRPF38B, LRRC17, RSRC2, KCTD7, SNN, OLFM3, SCYL2, POFUT2, TMEM47, VPS13C, DSG1, TEAD1, PKD1, ZMAT3, FKBP3, DIO2, CCDC32, PTPRO, TBC1D24, AKAP6, ST3GAL1, CAMLG, DISC1, EML4, AKAIN1, RNF150, SCAI, MAP1B, MAP3K9, PJVK, PHF20L1, ETV1, ZDHHC8, RLIM, HRH1, SEMA6D, SRSF8, SLC25A32, PIK3IP1, RORB, SLC11A2, KCNK10, IL22RA2, ME2, EML2, SH3TC2, CBY1, TBX18, HOXC11, PAX6, CCDC184, VIP, IL6R, RIC1, DYNC1I1, CFAP20, C1GALT1, DYNC1LI2, ACAD11, RHD, UNC5D, CNTNAP4, FAM124B, ZC3H6, RASEF, PGS1, SIRPB1, PTGES3, FRMPD4, CCR6, TRIM22, SCRIB, SEMA6A, ARL2BP, F3, FPR2, FAXC, MAB21L1, SLC25A53, KIF5B, NPR3, MYOZ2, PRKAR2A, TSHZ1, FRYL, HOOK1, PURG, TLDC2, TXNRD2, MEF2A, BANP, MYOZ3, KCNK9, SLC25A37, USP22, PRPF4B, GPATCH2, ENDOV, CACNB4, FTO, CGGBP1, HAL, M6PR, ATE1, TBRG4, LSAMP, RBMS3, PHF8, RAB18, TRA2B, C9orf47, ANO5, DCUN1D5, CNIH3, KCMF1, MYBPH, GNAZ, ABI2, TMEM241, DPP8, B4GALT1, FGF14, FBXO11, HNRNPR, CCDC158, BMP3, ELOVL4, MIA3, SAR1A, PRR14L, SSPN, HLCS, ABRA, POLR2C, SNRPB2, WWC1, DAXX, POU3F3, IMPA2, EPB41L4A, STIM2, KLHL7, ATP13A3, KIAA1147, PDE4D, CDCA7, SNIP1, MTF1, SLC44A1, PASK, CD80, CALM1, CLIP1, TPD52L3, ATG10, FBP1, OTUD3, NCOA3, UNC5C, NEK9, NT5C1B, ST6GAL2, CCSER2, MLH3, ZNF697, TRIM32, SRGAP2, SYNPO2, MMRN2, ATRN, ZNF831, CBL, QSER1, SAP30L, ZNF217, EPB41L5, TET2, TTC21B, PPT1, H3F3A, BMP6, CDH7, OTUD4, INSIG1, GPD2, PSMD11, TMOD3, TBX5, INSM2, CIP2A, CHL1, MTREX, RBM12, SLC9A4, PRC1, SOX4, NSD3, MAP2K3, C12orf4, LSM4, DCLK1, GTF2A1, ECM2, CHIC1, ADGRB3, OCIAD1, MARVELD3, ZNF805, GNB4, SUSD6, ILF2, DOCK10, GAREM2, BCAT1, RBM14, TP53, DAB2, SSX2IP, MYRF, FBXO42, ZNF225, IGF2R, MRE11, SIAH3, USP46, WDR92, CCSER1, ARHGAP6, TIAL1, PPARGC1B, RNF168, B3GNT5, NFATC2, TMPRSS3, LAMP2, LIN28B, DYRK1A, CDK15, FMNL3, CEBPG, HBP1, ARHGAP36, SRSF7, TAX1BP1, DDX31, EIF2S1, RIMS2, EEF1A1, UBE2L3, SMAD1, CR2, PPARGC1A, DEK, TTL, CASP7, ZBTB21, SEC14L5, B3GNT7, RNASEL, EPM2AIP1, ZNF630, RPRD1B, CTNNB1, TOM1, HNRNPH1, THUMPD3, PHF2, ZNF264, CNRIP1, ASH1L, PLAGL2
hsa-miR-127-3p	BCCIP, KIF3B, ATP1A2, SYN3, MTSS1L, ACO2, EPOP, AGAP3, KMT5A, SEPT7, ZC3H4, BLZF1, MAPK4, FJX1, MAGI1, VAMP2, NKAIN3, ATP2B2, ZNF3, SLC25A2, TPTE2, KLK12, TTC9, PPP1R11, EPM2A
hsa-miR-151a-5p	UTY, FANCA, SEZ6L, AK2, RALGAPA1, SLC25A24, APH1A, NDE1, RGS17, IQGAP1, PPP1R3B, FEZF2, SLC44A5, SIGLEC1, BEST2, N4BP1, NTRK2, ERAP1, CORO1B, STX10, DDX20, GALP, PILRB, TRPS1, FAAP20, DNMBP, PRODH, SUCLG2, PAPPA2, HAS1, ELOVL5, ASCL5, PATZ1, NMNAT2, SLC25A4, KLHL41, SH2D4B, TRIM58, MEST, VAMP1, ARHGEF39, PML, PDZD4, RNF213, SOX17, DKK3, TBC1D10B, FKBP1A, KCNJ10, PLA2G4F, ZNF532, CNTNAP4, EFNB2, SLC7A5, TGIF2-RAB5IF, GPR173, RAB5IF, IPO11, PCSK6, WNT1, ERGIC1, TNRC6B, MOB1A, CLDN2, RNF40, GDI1, TOMM40, ATP2C2
hsa-miR-199a-3p	ADAMTSL3, KATNBL1, CELSR2, KLHL3, MAP3K4, ITGA3, LRP2, ETNK1, NID2, NAA25, SERPINE2, NOVA1, GNA12, CDNF, GALNT7, CEP85L, PAK4, BCAR3, CD2AP, PAWR, TUBGCP3, ITGB8, PHLPP2, SINHCAF, ASAP2, ERBB4, PPP2R5E, MAP3K5, RAPH1, SCD, APLP2, RUNX1, RFX3, ADAM10, NLRP1, SLC39A10, G3BP2, SEMA3A, ATRX, LIN28B, ARHGEF3, ZHX1, NACC1, ACVR2A, KIAA0319L, CDK7, RB1, ALX4, QKI, WFDC8, EPG5, PTPN3, COL12A1, PCDH7, TPPP, CDK17, DNMT3A, LRRC1, C9orf40, DEPDC1B, ADAMTS3, KDM6A, TAOK1, SLC20A2, CYB5R4, EMC1, APLF, NLK, DCBLD2, ITPK1, C2orf49, AMZ2, PON2, MS4A7, NEDD4, GRK3, CPEB4, FXR1, CSRP2, PPP4R2, PROSER1, FAM199X, PTPRZ1, ESRP1, TGIF2, SLITRK6, PNRC1, SDC2, SLC24A2, DNHD1, PRPF40A, RP1, RAP2A, AK4, LLGL2, MCFD2, IFFO2, SOS2, SLC44A5, SH3GLB1, ANKRD61, TAB2, AEBP2, FUBP1, ATAD1, TMEM62, LAMP3, CTNNA2, PLEKHH1, GORAB, PTPRC, ACVR2B, ADRB1, VPS33A, KDM5A, NET1, MPP7, WDR47, MECP2, ADD3, ANKRD44, CCDC85C, EBF1, UBQLN1, PLAG1, SMIM8, HIC2, CREBRF, SP1, LPAR4, ZNF217, PLCB1, FAM129A, NTRK2, PIK3CB, RBM47, KDM3A, PSD2, VAMP3, NECTIN2, TBX3, MAP3K2, MED12L, ARL15, PDE4B, ITGA6, RPS6KA6, FN1, CXADR, CHAD, CYP1B1, VLDLR, CBLL1, CHKA, ITGA8, CHSY3, FBXW11, UNC45A, KLF13, MVB12B, CBLB, FGF7, PDE5A, CETN3, MTOR, ACOX1, EPB41L5, UPRT, SEC16B, C9orf170, SLC7A11, RNGTT, RABEP1, HS3ST5, GNPTAB, CD151, CD44, SLC49A4, KCTD16, LCOR, PDE8A, SBNO1, UXS1, RABGAP1, LRRC17, COLCA1, ZBTB43, CA5B, AREL1, TMEM220, ELAVL2, ANO5, CABLES1, YAP1, KIDINS220, CDK5R1, GOLIM4, LOC100144595, YES1, COL4A5,

	STARD9, IMMT, DDIT4, ST6GAL2, ZBTB20, CFL2, NUFIP2, PHYHIPL, CLDN8, CAPRIN1, HVCN1, TMSB4X, CNOT7, EIF3M, HNMT, NXPH1, HACE1, ROCK2, FMN1, DPAGT1, NETO1, PAQR3, KHDC4, GGNBP2, ZBTB18, TAF2, MEDAG, PYHIN1, ATP6V1C2, MKRN1, PTPRU, PPP2R2A, PLGLB2, WNK1, DOLPP1, TACC2, NRBP2, CNIH2, RSBN1, MAGT1, RALGPS2, SEMA3E, SYNPO2, PHKA1, HYPK, MDGA2, DIMT1, EOGT, KCTD7, PTPRE, TRIP11, WHAMM, MAPRE1, ERO1A, ZEB1, WDR7, DLX2, ZNF740, GCNT2, FGL2, GIP, ZCCHC17, TCAF2, NACC2, PLGLB1, FCGR3A, ARHGEF12, RAB3D, DLX5, TENM1, GREM1, SESN3, KPNB1, GPBP1L1, ARHGAP21, DELE1, FAM110C, SORL1, PDGFRA, PCMTD1, EML4, ZBTB25, FCGR3B, CCL28, LOX, UPF2, EXOC6B, MCCC2, DCP2, FOXQ1, PIP5K1B, PCDHB12, TEAD1, LPAR5, TCTA, PNOC, MFSD6, NCOA1, ATP6V1A, DIO2, PTER, FLRT3, CCDC28B, BRWD3, ZBTB4, ZNF614, UBE2W, PLEKHA3, TMED5, KTN1, ANKRD17, TMEM87A, ARL6IP1, CLCC1, PEX13, ARG2, HGF, CHMP5, XKR9, TNIK, SMOC1, SECISBP2L, CCSER1, TRIM5, IRAK3, SPIRE1, FOXP1, ACVR1C, BBX, PALD1, PHF6, FAM20B, KLF12, FDX1, TSPAN3, CALD1, KMT2A, SLC33A1, PDE7B, SLC16A12, LONP2, ARHGAP20, MYSM1, PRKCB, NUTF2, TNFRSF19, IPPK, ID4, UBE2J1, INO80D, MAP3K1, CELF2, TWNK, RNFT1, ABHD4, NAP1L1, WAPL, SLC5A7, PRKCE, HAT1, SLC38A1, CAMK4, BCL2L13, CXCL11, GIMAP2, CR1, DONSON, TBC1D12, LIG3, ENOX2, MYO10, SNX18, RUNDC1, ATL1, SLC7A1, CISD2, KPNA6, ZNF736, SEC62, SYT16, ST8SIA4, DCLK1, P2RY12, C6orf62, LZTS3, SUMO3, KCNH2, BRCA1, SLC22A15, TANC1, B3GALNT2, ITPKC, SNN, MTF2, NCOA4, NECTIN3, KCMF1, ZNF227, FAM133A, THAP2, WDR41, THAP9, N4BP2L1, CABYR, RIMBP2, ZNF749, ARL6IP6, CCDC141, CNEP1R1, MPRIP, DUSP5, SLC22A5, NABP1, GFOD2, RGS4, KSR2, ABL2, TMEM218, SRA1, CNR1, MEIS2, DTNA, PXN, BEND7, HBS1L, DNAJC30, TENT5D, KDR, SYNJ1, SEPT14, MBL2, MLLT6, SRD5A3, PIGB, PLCXD3, OPN5, DNAJC18, GABRP, UBR2, TRIM71, EPAS1, TRMT61B, FAM76B, RAB6C, CLEC12B, IL1RL1, FUT9, DPF3, CDC42BPB, GPAT3, MAN1A2, SCUBE3, HSDL1, ID2, OSTM1, SIK2, RNF19A, CMIP, RAB6D, KLLN, DIRAS2, NDST3, GFM1, CCDC88C, IRF2BP2, UQCRB, LRRTM2, RAB6A, LUC7L3, IMP3, SYPL1, MARS2, STC2, IL13RA1, EDEM3, RAP2B, MARC1
hsa-miR-205-5p	MOSMO, BICC1, PPP2R2D, CHN1, CDK19, RAB11FIP1, BTBD3, LPCAT1, RBM47, AAK1, PTPRJ, MAP3K13, NFAT5, C9orf153, TAPT1, CCNJ, DSC2, MGRN1, ZFYVE16, CPSF6, PLCB1, ZNF606, CALCRL, CADM1, TNFAIP8, C11orf86, CDH11, SLC35B3, CASC4, PRKCE, HS3ST1, NECAP1, LRP6, LCOR, MAGI2, VTI1B, PDE3B, CDK14, ROCK2, CCDC80, PTPRM, QKI, SPANXN5, CPEB2, AMOT, SLC19A2, HERC3, EVA1C, ERBB4, DUSP7, DMXL2, NKD1, AFDN, NFIB, ERRFI1, EZR, ETNK1, STRBP, LRRK2, GPC6, RTN3, ANKRD50, FOXF1, MSI2, CLTC, HSF5, SEPT4, SLC35A1, LRP1, HSD17B11, SIPA1L1, INPP4A, P2RY1, GABRA4, SATB2, C6orf222, SGMS1, RORA, MARCKS, CLDN11, PSD3, ZNF800, RCBTB1, ZEB1, E2F5, KPNA1, ZNF652, ERBB3, ADAMTS9, LAMC1, PAX9, FZD3, KAT2B, MAGI1, RUVBL1, TP53BP2, RBM41, ABCD1, NACC2, SORBS1, ZNF655, EPPK1, LYSMD3, NOTCH2, COX20, YAP1, SECISBP2L, SBF2, AXIN2, SMAD4, VEGFA, PCNX1, JADE1, LHFPL2, CDC27, TBC1D26, CCNY, CMTM4, SELENOT, CSF1, KANSL3, SPANXN1, EXOC6B, SNRPF, ALAD, TNPO1, NAA30, DSC1, ZHX3, NR3C2, DCT, TRAK2, CALU, PPP1R15B, SMAD1, 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hsa-miR-21-5p	YOD1, PRDM11, FASLG, ZNF367, VCL, SKP2, TGFBI, PLAG1, IL12A, CREBRF, RAB6D, KRIT1, PELI1, RBPJ, RALGPS2, ADGRG2, GATAD2B, PBRM1, SCML2, RSAD2, PPP1R3B, PLEKHA1, FGF18, SPRY1, FAM13A, GPATCH2L, STAT3, BCL7A, SKI, YAP1, MALT1, ZBTB41, KLF3, MBNL3, CCL1, NKIRAS1, TIAM1, OSR1, PAN3, KDM7A, CASKIN1, PDCD4, GID4, HSD17B4, MAP3K1, PDZD2, UBE2D3, AKAP12, CPEB3, RECK, CCL20, PPP1R3A, NTF3, TIMP3, ANGPTL5, BCL11B, JAG1, FAM3C, MEI4, EPM2A, SLC30A10, BTG2, SYT15, MPRIP, NFIA, KLHL15, CFAP300, GLCCI1, SPRY2, LRRC57, STAG2, KDM1B, GRAMD2B, RMND5A, C7, ALX4, RASA1, SOX5, RNF103, GLIS2, NEGR1, ARHGAP24, NIPAL1, LTV1, ANKS1B, TMEM170A, HIPK3, ELF2, EPHA4, PPP1R3D, ZNF704, RAD51AP1, CLDN8, EHD1, ATXN10, MCMDC2, ITCH, MATN2, NPPB, RASA2, CLIC2, SMARCD1, OLFM3, USP15, MAST4, KCNJ10, NIPAL2, PCSK6, TPRG1L, WWP1, ARL1, LPA, GABRB2, CSRNP3, STK40, NFIB, UBR3, CHIC1, CUX1, RASGRP1, LATS1, FDX1, MINDY2, BCL11A, SPEF2, PITX2, SMAD7, PLAA, UBE2D1, THRB, BAHD1, MED21, FRMD3, RP2, TENT5A, KHDC1, CDH7, DLGAP1, RBMS3, KHDC1L, ZDHHC17, BEST3, STK38L, MSH2, KLF6, PTPN20, CNOT6, SOS2, DUSP8, KBTBD6, BBS12, SETD9, ATP2B4, EDIL3, ING3, IL6R, FANCC, MTMR12, PRKCE, GNAQ, FBXO11, XKR6, KIF6, FBXO28, PCBP1, FKBP14, CNBP, SEPT10, ZSWIM6, RAB11A, SAMD8, N4BP2L1, MAP2K3, SLC7A6, HSD17B7, IRAK1BP1, ALDH1A1, DCAF7, PDAP1, SRL, ST6GAL1, NCAPG, ACVR1C, VSNL1, INPP4A, MIA3, MBLAC2, SLC9A6, SATB1, TNRC6B, CFL2, CLIP4, ATRNL1, VASH2, ZCCHC3, RTKN2, AGO4, PRRC1, C17orf75, ESYT2, SOCS6, G2E3, MTPN, CDC25A, CBX4, ZNF99, HNRNPU, SC5D, PPARA, LIFR, ARMCX1, GLDN, POLR3B, KLF12, UNC80, NCOA2, TAF5, ZFP36L2, IST1, THPO, PRPF39, TMEM163, ADAMTS3, NFAT5, PIK3R1, NEK11, PHF6, LYRM7, KIN, POM121, BMPR2, S100A10, B3GAT2, PGM1, PHF14, MBNL1, LAMA4, FGD4, ST3GAL6, JPH1, SLC16A10, EFNA1, RTN4, MATR3, CCDC121, PGRMC2, CALCB,

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UBE2Q2, PNPLA8, UGT8, ZRANB1, SFRP2, PPP2CB, KIAA1522, STXBP1, RNF139, FGF12, RTN3, SCAF11, ELOVL4, HS3ST3B1, MAFG, ALAS2, FOXN3, COQ7, HPGD, FAM217B, PKHD1, PDE7A, PPARGC1A, MBNL2, SLC5A3, CYBRD1, RAD51B, SLC45A3, KRTAP5-5, CHM, HP1BP3, SEMA6A, SETBP1, MID2, TRIM71, GNAI2, GALNT13, TYROBP, ZNF471, HCFC1, GRAMD4, SORBS1, NPAS2, TAC1, BZW2, DLG2, COPS3, CACNB4, TXLNG, COL10A1, KCNK2, SGPL1, EBF1, SEMA6B, GJA1, MOCS2, SLAIN1, BCL9, FBXL2, DPP6, RANBP10, INSYN2, UBE3A, NEXMIF, MTMR1, TRPS1, KLF8, SOCS3, JADE1, MTURN, NRXN1, MTMR6, LPCAT1, TOX3, ABCG4, SLC16A10, FLRT3, SPECC1L, GASK1B, BIRC5, CETN2, GNAI3, C6orf62, RNF165, INTS6, ZC4H2, KDM3B, C16orf70, WDR48, ZNF705E, PLD5, TMX1, MYT1L, OTUB2, GLUL, WDR44, SMCHD1, MCF2, MSL2, SOX11, CSDE1, DNAL1, DPF3, PBX2, NFATC3, CACNA1I, ZNF705A, EPHA7, PCDH8, RAPGEF4, SPON1, ASIC1, SRPRB, FAM172A, TXNDC5, NXT2, KCNQ3, SDC2, GRIA2, JADE2, CCDC88A, RHOQ, EPHA8, GADL1, PPP2R2A, SACS, FBXO41, RIMS1, ARAP2, UBQLN2, SLC16A7, VSIG10, ARID4B, PTPRR, EGLN3, PRG4, PKP4, C6orf201, LMLN, TMEM151A, FAM20B, FAM214A, PI4K2A, COMMD8, SERTAD2, IKZF1, LRRFIP1, CDX1, PPP4R2, GOLT1B, TCF12, MEF2C, PURB, TMEM129, DNAJB3, MBD6, ZNF37A, AFMID, ANKRD52, SPRED1, SOCS6, COL1A1, SATB2, ZNF609, MEGF9, KHDRBS1, NRXN3, UBN2, ADGRL1, SLC39A1, ADAM22, FBXO28, CASKIN1, ANKRD40, ZMIZ2, CHST8, CCDC89, PALM2, PDE8B, NR1D2, ABL2, ZNF202, NEURL4, LDLRAD4, PLCG1, CBX5, OXSR1, SCARA3, HIST1H2BK, CXADR, SLC24A4, ANKRD34A, KIF3C, RIMS4, PDE6D, PCNP, GLIPR1, SKAP1, CHST3, EPS8, MCC, DDX5, MSI2, RNF220, ANO4, KIAA0825, HLF, SSR3, BCL11B, MFAP3, PRLR, ITPR2, CNOT2, LMO7, FBXO32, CDK6, CALCRL, UBE2V2, AARD, STX1B, AHI1, MARCH4, DCC, CACNA1G, SSPN, PRIM2, VAV3, NECTIN1, IMPAD1, SRCIN1, GLTP, ST8SIA4, PTP4A1, MVB12B, DCLK1, ASXL3, PHETA1, ST8SIA5, PAIP2, TEAD1, IDH3A, PPP2R2C, LGR4, FAM83A, NEBL, SMLR1, DCAF10, CNTN1, FKBP1A, GDPD5, MC2R, TULP3, FRMD6, EIF3J, HS6ST3, CHD6, DIRAS2, MRGBP, PLXDC2, ANKS1B, CBLB, DAZAP1, ZMAT4, EXOC5, YY1, WASF3, ASB11, PCDHA3, FHOD3, PCDHAC1, 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VSIG8, PAK3, SHISA9, LOXL2, MYH9, ZNF180, TRAPPC9, DBNDD1, SRGAP2, ZNF587, ETS2, LMNB1, ARG1, SAMD12, DCUN1D5, SLK, SOCS7, JDP2, CLDN23, ERRFI1, GRM3, FAM111A, VGLL3, PRR23D2, SLC5A12, ARL13B, FCHSD2, FAM9B, METTL8, NUMB, RNF180, BIVM, SYTL4, N4BP2L1, SCUBE3, NFIA, LCOR, LRRC55, UQCR10, FBN2, NUFIP2, MKLN1, PRR23D1, AFAP1L1, SASH1, PURA, GPR132, ZNF468, RPS6KB1, THRB, OTUD7B, PROX1, CNDP2, PURG, CARMIL1, MUC22, SLC35B2, LRRN1, PARP12, LRRC58, ZNF518B, PLEKHA7, VRK2, ZDHHC8, RALGPS1, CEP85L, TPD52, ZNF385A, PCDH15, TENM3, KDM5A, EIF2AK3, NRG3, MACC1, TCF20, NRAS, GPD1L, RYBP, KCND1, PCMTD2, KCNA3, DDX51, SGSM1, ODR4, KCNA1, SPIB, RASAL2, UBTD1, CNOT6L, CASK, SEC14L1, ARMC8, ZNF716, PDE11A, RBBP8NL, KIF16B, SERPINB10, DNAJC27, SHC1, CDKN2AIP, RAB8A, BRPF3, FLT1, DPP9, ABCG2, RAB6C, CHFR, WFDC10B, METTL21A, SLITRK6, STMN1, MAPK8IP3, ZNF350, C1orf21, MRVI1, MALT1, NPPB, HIVEP2, AMMECR1, TMEM173, ZNF461, CACUL1, PPP1R26, MYO16, SERBP1, NKX3-1, ISLR2, CDH2, GORAB, PSMC2, SNTG1, LYPD6B, 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ZBTB20, TMF1, PERP, AJUBA, MICAL2, STATH, ST18, TTC26, HNRNPA3, ATP2C1, MCTS1, CLUAP1, NKAIN2, WIPF2, DNA2, POLR3G, RBM47, C7orf25, RECQL5, INSR, GUCA1C, PCDH12, ZNF678, DAGLA, SPAST, PAX2, POU2F2, LIFR, MTCH2, SDR16C5, ZCCHC17, SGCD, FAM13A, ENO4, SYNE1, PCDHA8, ARHGEF12, CBX7, PGR, OTULIN, LYVE1, MINAR1, RIMS3, SLC23A2, ORC5, DCAF5, RUFY2, PLAG1, GTPBP10, TTC33, GLDN, NOTCH2NLA, JPH1, RPS9, FLVCR2, DNAJC3, PCGF5, KAT8, GET4, POU3F3, GAN, CELF6, PPP2R1B, ANKH, ZNF597, LOC101928841, LRRTM3, C6orf120, KMT2A, KCNE1, SLC6A6, KRT6A, CDCP1, SEPT6, MBD2, ABLIM3, CENPB, KLHL5, RXFP2, DEK, KLHL8, SNCAIP, TMPO, SACM1L,

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hsa-miR-374a-3p	PLPPR4, RBM27, PIK3CG, C12orf50, ADCYAP1, CNTN1, PROX1, SLC41A1, RNGTT, BMPR2, LGR4, ZMAT3, STAT3, OGN, USP10, KPNB1, MTRR, RHOA, RANBP17, PPP2R5E, PIAS1, ZNF460, SCAF8, CALHM2, TDRD5, GSTA2, PLD1, CHST9, GCFC2, UBA5, UBE2K, GSTA1, NR4A2, HOMER1, SHISA2, HS2ST1, GNPTG, PHYH, GOLGA4, ABCC10, KCNJ3, BTF3, GPR155, UNC80, WNT3, OXR1, CAB39L, NPHP1, OPRM1, WNT7A, OR6A2, PHF3, CCNDBP1, SOWAHC, ARHGAP42, CLDN22, BCCIP, ZFAND1, IL2, MTX3, ZDHHC13, GLRB, TFAP2B, PLPPR5, SLC4A11, FAM122C, COPS8, USP49, LACTB, TWISTNB, MED19, ZC3H12C, NCOA7, ZBTB10, GLRX, SP1, ZBTB1, SLC24A2, KLHL24, KCND2, ZBTB26, NOL8, SP8, CREBBP, EIF3A, YIPF4, ATPAF1, MAP2, PARD3B, SPARC, PTPRG, SORBS2, SCAF11, FKTN, SMARCE1, SH3GLB1, GVQW2, ZNF655, CDS1, SLIT2, PRKAR2B, NEGR1, ARRDC3, LARP4, PHF20L1, ZNF562, VBP1, ZNF470, GPR85, RFX7, GEN1, ABHD3, PTPN12, SLC35A5, C3orf62, TRPS1, NAB1, GPBP1, CREG1, EEA1, FUT9, ERC2, RAET1E, CLEC1A, DEXI, KDSR, C9orf3, ANO6, RNF4, ELOVL7, HMBOX1, AK5, FAF2, LONP2, PCMTD1, ZBTB18, TRPC5, HSP90AA1, SLC17A2, APBB2, CACNA2D1, NHS, EID2, DDX20, NLN, ADAM18, PAPOLA, ZNF251, ZNRF2, KLRG1, CTSV, VEGFB, RAB21, TP53BP1, SCAI, RTN3, MEX3C, RNF180, TMEM56, IGF1, HNRNPC, RPS6KA6, GPR180, OLFM3, ECM2, ERBB4, PHTF2, FBXL2, PPP6R3, FGF7, TIPIN, COL11A1, ELMOD1, LMNTD1, PCGF5, CCNYL1, NFE2, KLHL7, PROSER3, COX7A2, ZSCAN32, WDR11, CCDC6, BHMT, SOX8, CDC14A, CMPK2, CCNJ, SYNPR, ZNF112, SOCS6, MCPH1, C11orf44, ZNF264, ANKRD62, CDC42, TNPO1, SLC25A12, SLCO6A1, SDK1, CLEC5A, MEIOC, LMBR1, SMG1, PAK2, VAPB, CCT4, CSMD1, KPNA3, CADM2, SCARF1, IFNA1, CYB5D1, EIF4E, FRS2, CR1, KCNH5, USP8, DNAL1, SYT10, ERGIC2, CSTA, NLGN1, PCDHB4, KAT2B, APH1B, SNAP25, RAB28, YME1L1, STEAP2, CCDC58, C12orf80, GABPA, KCNA5, PREX2, RAB3GAP1, FLRT2, ANKS1B, WDR72, CAPN6, C8orf34, NBEAL1, GIGYF2, DCTN6, MET, MPPED2, SMTN, C5orf24, ELK3, PCLO, ATAD2, FAM160B1, MICU3, CHMP2B, GPR63, DCUN1D5, SLK, TRABD2A, SINHCAF, EML6, CHM, ROCK1, DNAH14, RAG1, SDC2, ZFR, ADGRL3, PABPC4L, SLC7A6OS, INTS8, MLLT3, EHHADH, CCDC169-SOHLH2, PIK3R1, VEGFA, BLMH, PEX7, APOL6, RAD23A, DENND1B, ZNF320, EDIL3, LYRM9, TENM3, SPTLC2, IQCH, FAM199X, PANX2, CDK19, ZNF570, ATP1B4, HMGCR, GSKIP, TET1, CNOT7, FRYL, TRIM44, NXPH2, SEL1L3, TP73, ACAD8, TMEM246, ANO5, ENDOD1, IMPG1, RAC1, RASSF10, APH1A, LUC7L, ARPC5, ASCC3, PDK4, TMEM67, SERPINE1, GEM, PSD3, ZC3H6, NFYB, RAB27B, PQLC2L, ZNF596, AAR2, TRDMT1, RBFOX2, JRKL, ANKRD36C, DNAJB14, DERL2, MARK1, FLT1, CCDC152, LIX1, SDF2, PRICKLE2, RNF144A, CAST, NRG1, PHLDB2, NPM1, VSTM2A, HFE, ZNF599, GIN1, IFT80, CNTNAP2, CNEP1R1, GLIPR1, NOLC1, XAF1, ARSB, DOK6, ELOC, METTL15, CEP76, PGAP1, PDCD2, LPCAT1, PUDP, WT1, TP53, MINDY2, GLUD1, LILRB4, OPTN, CYP51A1, ZNF432, SERP1, MED1, ALG13, DPY19L4, PTPRO, DPP10, PHIP, CD53, HDAC9, ZNF160, VASP, KPNA4, DPYSL2, HUS1, ARID2, FADD, PHACTR4, GCNT4, ELF5, C11orf58, EIF1AX, AWAT2, STX7, SRSF2, LAD1, WNT8A, SEC31A, CEBPG, CDC123, STON2, ZDHHC22, CCDC141, MAP10, ULK2, WDR75, DCK, CACNG1, PARP8, PPHLN1, SMAGP, TAF5L, MTMR9, TMEM169, RNF11, UGT2A2, UGT2A1, RHEX, WASF2, BCAT1, SRD5A3, PTPN4, DEPTOR, FBXO22, MRS2, ACADSB, FOXN2, LIN7A, CDC27, CCDC68, RC3H1, CCP110, BET1, DTWD1, RPL17-C18orf32, RERG, SIRT5, TSHZ2, TTC30A, BCAS1, SH3TC2, DUSP11, TM4SF4, TNKS2, EEF1E1, ADAT2, CCDC178, STK32A, CKS1B, TIPARP, PCYOX1, KLF12, RNLS, NRP1, TMEM33, RIF1, IGSF3, ZC3HAV1, PEX3, WDHD1, MAP9, UQCR11, TSR1, SRSF6, WDR92, MAGI1, TAB3, HIPK3, XRCC4, SNX30, PTGER3, SATB1, PLEKHA5, MMP16, ARF4, CLIC4, VPS37A, NYAP2, B4GALT6, HNRNPA2B1, BDNF, DGKB, SYNCRIP, FAM110C, KCTD6, ESR1, RSPO2, CAMK2D, ZBTB41, MB21D2, FAM126B, MOB1B, RAB9B, NAALAD2, TET2, RMND5A, GDF15, ZDHHC17, SHANK2, ALG10B, SORL1, TRIM13, SIGLEC10, DR1, KPNA1, CDNF, FGF5, LSM8, SIRT1, C1QTNF7, NELL2, MEAF6, SLC35F5, TPM1, PRPF40A, DNAJB1, UBE2Q2, KHDRBS2, CPSF2, BCLAF3, MARCH6, ZNF148, WDFY1, ATF2, RBM48, DCDC1, ZNF324, FAM120C, RGS2, TCF12, GRPEL2, ONECUT2, ZNF33B, QKI, ZNF519, SETDB1, KIAA0100, GOLGA8J, RRAGD, PCDH15, SLC7A11, ADAMTS5, BBOF1, CDH7, GOLGA8K, CDYL2, GOLGA8M, VGLL3, TRUB1, CCNT1, GOLGA8O, ZNF584, MECP2, EPB41L4B, SMU1, TEX30, ZBTB7A, GPNMB, PPP4R4, CTTNBP2, DDX52, ZNF708, GOLGA8R, CD177, DERL1, HOOK1, TMEM144, BRWD1, CBLN2, FBH1, MBD5, FSD1L, PARP11, MON2, NSL1, LTN1, ITPRID2, LYRM4, CASP7, WWTR1, TKTL2, SUV39H2, RNF111, ABCE1, SEPT14, EFHC2, NEMP2, UBXN2B, KCNJ13, GOLGA8H, DCLK1, NADK2, MAP3K12, CTNNA3, CCDC30, ANKRD50, BCDIN3D, FPGT, NRAS, MND1, SCG2, VAX1, RRM2B, LPXN, CCPG1, ATAD1, C1GALT1C1, HS6ST3, LRCH2, MTUS1, CNOT4, TMTC2, GID4, FSD2, MLH3, CYP20A1, ZNF426, CLEC19A, LARP1B, SORCS2, RBMXL2, MAGOH, RALGAPB, ZIC3, AFF4, GUCY1A2, DYRK1A, CCNB3, EMP2, SMAD4, LRRC49, ARID1A, RP2, CNOT9, CNOT8, RYBP, CCSER1, KSR2, CALM3, NTNG1, PPP2R3A, SNX18, PRKCB, NAA30, COMMD2, IFIT2, RND3, SLC25A42, NUFIP2, MCFD2, AHI1, IKZF1, REEP4, C10orf67, CELF2, CERS6, DDX3X, MYLK, GMCL1, SLCO1C1, DOCK10, EPHA5, SNTB2, PRLR, PEG10, ZNF480, NFIB, SUPT3H, COPS7A, UBXN1, GABRB2, SMPD3, ANKHD1, MNS1, CYYR1, USP37
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hsa-miR-517a-3p	PHF13, VSTM2B, ZNF521, DBN1, HOXA5, NFIA, CBLN2, TMCC1, PTK2B, CCDC89, NFIC, SMIM14, NFIB, DGKH, TNIP1, FOXJ3, SHANK1, CLIC4, HERPUD2, NUPL2, SMG7, HPGDS, ARNTL2, FCAR, SLITRK1, BSN, C5orf63, ARHGEF26, SLC46A2, SRSF1, SKIL, PRUNE1, NUGGC, RAPGEFL1, ATRN, LDLR, HS3ST3A1, ADAM9, SEMA5B, LUZP1, SACS, ZYG11B, DENND1B, IGLL1, TMEM30A, OLFM3, ATPSCKMT, KRTAP2-3, TMEM150C, JPH1, ST3GAL1, AREG, GK5, SEMA3A, TRPA1, KIF13B, TOMM5, HNRNPU
hsa-miR-708-3p	SCAMP1, JARID2, TRAF3, VIM, BAZ1B, SPRED1, HSPA4L, CATSPERB, PPP1R15B, DDHD2, SLC25A46, PSIP1, CIAO2A, ZEB1, YWHAB, AP3M1, PPHLN1, USP42, CELF2, MSI2, POLR1D, CNST, PLPPR1, ETNK1, AKAP13, GLB1L3, METTL8, AQR, FADS1, ALCAM, PSAT1, PHF20L1, TRAPPC6B, RAD51AP1, ATG7, FGF14, CTTNBP2, ADAMTS3, ASAP1, ZNF518A, CAPZA2, CFAP298, DYNLT3, ABRAXAS2, ZFHX3, CXXC5, P2RY1, TBC1D30, GTPBP1, DHX40, RNF182, CDK13, CHRDL1, HECA, LNPK, SETMAR, AIG1, CDYL2, PLCB4, MAML3, LRRC59, LHX9, TENT4B, GPD2, PTGER3, TJP1, ANKRD42, LARP4, DAAM2, EPB41L3, ATF7, BBX, RPTN, LPP, PLEKHH3, FGR, LDLRAD3, TMBIM6, VDAC2, TPGS2, TMF1, ARHGAP5, UNC79, TRIM9, SYTL4, NEFL, OTUD3, P2RY13, SDHAF3, ABCA5, C1GALT1, C7orf57, NEIL2, TOP3A, ZNF592, RHAG, BHLHB9, ARHGAP17, EMP1, SH3TC2, CLEC7A, ZDHHC23, XPO7, MYEF2, CLOCK, RGN, STRN3, GABBR1, ZNF687, CDH6, AHCYL2, STXBP4, SYT14, ABHD5, SENP6, DAZL, BORA, CDY1B, SOS2, CDY1, HNRNPF, MTMR1, HMGCR, SFT2D3, CDH2, SOCS6, SIX1, CDK19, TIAL1, KCNJ2, STK39, ANK3, TMCO1, PRKDC, ELL, KLHL15, RHO, KLHL6, PLA2G4D, FUT2, ZNF462, SETBP1, ZC3H12C, NLRP1, NDUFA7, LNPEP, BIVM, FMR1, FAM206A, CCER1, STXBP5, GAD1, ETV1, HIPK1, TSC1, CADM1, EIF5A2, ASTN2, KMT5A, ERBIN, CYGB, ALDH5A1, MEA1, NCOR1, RPS6KA6, NWD1, SHROOM4, REPS2, DST, HNRNPH1, ZSCAN21, PYGO1, SREK1, SYT1, UBE2L3, PRAMEF13, PAFAH2, HLF, PRAMEF14, OSGIN2, TDG, ANKRD26, GP1BA, CREBZF, IRS1, CNTN4, GCLM, TKTL2, RASL12, MMAA, OTUD7B, LRCH2, RHOBTB1, CSTF2T, ATRN, FUNDC2, RARS2, PKNOX1, CMTM4, C8orf44-SGK3, SGK3, AK4, PIN1, DCTN5, RNF170, CFAP61, AQP4, FGFR2, MYO5A, LSM8, ZCCHC13, ZNF284, AMMECR1L, CCDC177, MARCH6, TBCK, ZNF664, TRIM33, TPT1, CLDN10, PLSCR1, LAMP3, KCNS1, SNAPIN, UBXN10, CPB2, FXR1, TMEM200A, RAB33B, ZNF608, TRIM71, PTPN14, VGLL3, MAGI3, ZFX, CCND2, MXI1, SH3RF1, COL6A6, CNNM3, PUM1, NAALAD2, ATP2B4, RPP25, ADAM17, NOS1, CER1, PCSK6, KIF5C, NLRP9, TMEM106B, ANKIB1, CNPY1, COL10A1, PHLDB2, EIF3J, METAP2, DACH1, DYRK2, PLAA, TMEM167A, FCRLA, MCTS1, RFC3, EIF4E3, CDC42SE1, TSLP, MIER1, DHX29, ZNF720, KIF9, CDKN2B, KDM5B, CNOT6L, STX7, SHPRH, CDK5RAP3, ZNF449, FKBP14, LARP6, CAP2, MID2, ZMAT1, DEPDC1, SMAD9, FAM126B, ATF7IP, IFIT1, RRAS2, G3BP2, USP30, PURA, ATP2A2, ZDHHC17, GRIA3, ARNTL2, NDUFA5, PWWP2A, PUDP, YPEL2, GABRB1, TMEM161B, MTMR6, STK35, CFAP300, ATE1, SYN3, FOXO3, PDP2, DAZ1, ELF1, RAB6D, CHST6, ZNF670, ITGA4, SLC14A1, DAZ3, POU4F2, ADNP, UGT3A2, REEP3, SGCB, MARK1, IMPA1, CSNK1E, STS, ACADSB, GAREM2, ABHD2, PDS5A, CPD, CLSTN2, DSEL, PTPRO, GRIA2, TPTEP2-CSNK1E, ATP13A3, SNAPC3, TBL1XR1, IPO9, FAM171A1, DDX4, PPA2, FOXF2, KIF11, HRH4, CHM, PPP1R3D, DTNA, BRWD3, RSPO2, CAMK2A, TGIF1, FAM104A, DPH6, GNG12, UGT8, KRR1, PPM1A, ZBTB34, MCC, CYP4V2, LMO7, THEMIS, CLEC2A, CREBRF, IQCA1, ZFHX4, STARD4, EPN2, CDKN2AIP, BPGM, GMCL1, PRTG, GABRP, JADE3, SLITRK2, ZNF280B, UBE2K, DNAJB14, MLLT10, ATP6V1G1, ZNF620, CCN2, NME1, TMEM30A, GRID2, SUN1, SORCS1, MRPL15, RBM8A, KIAA1109, RPL36A-HNRNPH2, ZBTB21, SCRG1, VMA21, TNRC6B, TMEM248, SCRN1, STAU1, PRR11, HS3ST1, SFMBT2, ITGA8, TMEFF2, PTEN, PSME3, ANKRD44, NCOA1, DISC1, PRAMEF1, PKHD1L1, SPATA2, FAM168B, SPECC1L, FGD4, PEX5L, ABCA13, NUDT13, RGS18, DCK, DIXDC1, CCDC186, ZNF211, MEX3A, MED14, MGAT4A, CARF, MRPL42, HS2ST1, RMI1, UCHL5, ZNF227, MRE11, HNRNPU, CADM2, KCNMA1, TMEM266, BCL6, AADAC, HAUS6, SMC1B, LCOR, TTC32, CACNA1G, GPR15, CCDC25, ZFAND6, GPATCH11, LUC7L3, SPRTN, WDR7, VN1R1, PTGES3L, MAFG, PILRA, GPR155
hsa-miR-99a-5p	TRIB2, SMARCA5, KBTBD8, MTOR, RAVER2, HS3ST2, ZZEF1, BAZ2A, NOX4, HS3ST3B1, ETFDH, NR6A1, TTC39A, FZD8, PCSK9, FGFR3, ATP11C, CTDSPL, MBNL1, TAOK1, PRDM1, ADCY1, THAP2, MTMR3, AGO2, ZADH2, ST6GALNAC4, ZNF197, RMND5A, LRRC8B, PPP3CA, EPDR1, HOXA1, TRIM71, AP1AR, RAP1B, PPFIA3, RNF144B, HES7, TMPRSS13, DESI2, ZNRF2, RASA2, CAMTA1, CDC25A, CDYL2, TRIB1

TargetScan

hsa-let-7e-3p	CDNF, SRP19, ISCA2, ZNF90, AC022498.1, A4GNT, FUBP3, TMEM163, ZCCHC6, CT62, GREM2, RAB2B, PHOX2B, NUP37, SH3BP5, FAM230A, AL139099.1, SPOPL, C21orf54, NDUFC1, CSNK2A2, LSR, PHC1, ZNF503, RP1-241P17.4, NUP62CL, EXOC8, EIF3E, IMPG1, SUMO2, PLEKHA1, CTBS, AC012360.2, AP3D1, SLC6A6, KCTD15, COPS2, C1orf192, MYO1H, ATPIF1, HTR7, LRP2BP, EDNRA, CCDC93, MAGEE2, SLC2A13, GTF3C4, LSM11, FGF14, FGFRL1, FSD2, TFRC, PRMT6, GSTK1, RBM8A, CYP27C1, RNF141, CLRN1, GSX2, CNIH1, RP11-766F14.2, HEATR2, PTPLB, PARP11, ARL8B, SNRPF, PPP1CC, ARL14, EPHA4, GNAO1, TMEM231, SLX4IP, CREG2, PDGFC, RIBC2, FOXA1, ANKAR, NKX6-1, TMEM26, C1orf145, TBL1X, ZNF304, ATRNL1, NCMAP, CDH11, GCH1, EYA1, KCND3, WASL, C7orf41, ZDBF2, SPRY3, ZNF782, CEND1, MSH3, ZNF521, PTGIS, SPSB1, LHX1, ATG16L1, CYP2U1, ADH7, MKRN1, KLHL31, MAPK14, NXT2, HMGA2, AKAP2, ANXA11, FYTTD1, PPP4R1, LPL, VEZF1, CTD-2368P22.1, PLD1, RETSAT, GLYAT, PALM2-AKAP2, PAX7, CHSY1, SLC17A4, BEND2, ZNF672, TFAM, GPR180, EDEM3, ABCA8, FAM193B, FRMD3, RBFOX1, ZIK1, PRKAR1A, C11orf44, PRKACB, ZNF605, FERMT1, SH3RF1, NARS, TDRP, ZSCAN12, CNTN1, EPSTI1, CORO2B, TMPRSS11D, GCSAML, GAN, OTUD6A, ZNF486, KLF6, LRIT2, ZNF611, TMEM132B, CEP170, CENPI, ACSL6, TGFBRAP1, NFASC, KIAA1407, PCLO, FAM219A, AL033381.1, OSBPL10, WDR82, ZKSCAN1, SIDT1, DGKI, KANSL1, PWP1, MTMR6, RSPH10B2, BNC1, DR1, PAFAH1B1, UBR7, CTD-2054N24.2, DSC1, CNGB3, SSH3, GRPEL2, SMCHD1, SLC35F1, ATMIN, NOM1, ZIC1, ARHGEF10, METTL15, GOLGA6L9, METTL6, GOLGA6L10, ZNF616, TLR4, GDA, GOLGA6L4, MBTD1, TBC1D5, ANGPTL2, DTNA, RSPH10B, RP13-996F3.5, FAM83F, CHST11, ZNF585A, NUDT19, XRN1, LUZP1, NRG3, PI15, AJAP1, AHCTF1, RUNX2, ABCA10, SLC4A4, MYO9A, KIAA0754, SS18L1, ZNF845, ZBTB16, GTF3C3, PDPK1, PIP4K2A, PTCHD4, DPYSL5, JARID2, KLF9, ALDH3A2, B3GALTL, TMED7-TICAM2, TICAM2, ZNF841, PLCE1, GLIPR1, ZNF623, GRB10, PEX5L, DGKB, MARCH6, CHCHD4, TMEM170A, AUTS2, DCUN1D3, FUT11, FNDC3A, TNFAIP8L1, GPR107, PPCDC, ERC2, AGPAT5, SLC36A1, BSN, IL13RA1, MCTP1, RLN2, MAVS, RFESD, TTC26, JHDM1D, GPX8, SP1, MSANTD3, TET3, ABCA1, AL117190.3, OCLN, BTBD7, BCAT1, ZNF609, PLD5, B4GALT6, ZNF71, HPGD, ZNF518B, GABRG1, SGMS2, AMOTL1, NR2C2, VPS35, TMED7, GRSF1, CD47, PURB, KLF8, C3orf72, GAB1, GBP1, EMR2, SEMA5A, ZNF24, SH3BGRL2, NEDD4L, PPM1F, MFSD8, LOH12CR1, ZBTB21, INO80D, PRSS12, SLC15A2, C3orf70, KCNH5, ZNF85, WRN, SLC25A17, VIPR2, HNMT, RORB, PHYHIPL, CALU, ABHD13, URB2, PAG1, KLHL15, CYP20A1, PHC3, CTBP2, METTL14, SLC7A6, HOOK3, LMBR1, CCDC71L, GXYLT2, ZBTB3, C12orf5, KLF12, LHX9, AC027763.2, PRICKLE1, TIGD7, SLC7A6OS, NEO1, HS3ST3A1, ASXL2, CXADR, TMPPE, THAP2, C2orf72, ISPD, RRP15, URB1, PHF14, ACVR2A, C16orf87, TMED5, ANKRD9, SHF, ZMYND11, TERT, TTL, REPS2, MLXIP, ESF1, C2CD4A, STAMBP, FAM179A, C11orf58, LIFR, USP15, DDHD1, AP5M1, CFL2, YME1L1, IRS4, CMSS1, BDNF, POT1, CA5B, TBRG4, CDH7, FBXO25, DDX52, NCOR1, ITM2B, VPS8, GSR, KDM5C, FAM105A, SRI, PCSK9, SOD2, APOA1, ZFP14, CPSF6, PDE8B, TNFAIP8, HTATIP2, UGT3A1, ARSG, ABCG1, GEMIN4, MAML2, PLA2G12A, PTGR2, MESP1, EPB41L1, MYO1E, MED4, TP53RK, SCN9A, C1orf27, RAB33B, ERBB2, ANXA7, METTL10, ODC1, ATG5, NUDCD3, AKIRIN1, GATA6, TMTC3, STX7, CNOT7, AHSA2, TSPAN14, SP3, ZFP36L2, ST3GAL6, DVL3, CSGALNACT2, FAM98B, BOD1, RRM1, ATG12, MTHFD1L, TMEM106B, ZNF146, MAPK1, CDK17, ATG7, PLAA, SPATS2, PPTC7, TFG, RASAL2, HNRNPA0, DCUN1D5, MAPK1IP1L, SLC25A4, PAICS, HDAC2, XPO4, G3BP2, CRP, JUND, MOBP, CDH19, NKAPL, ATOH1, NCKAP1, NBPF10, RP13-996F3.4,

	TRAT1, COLEC10, AKAP6, MTMR8, CANX, FBXO47, RPL13, PPL, SIGLEC14, ZNF141, SFPQ, SSTR2, INSIG1, XRCC5, TCTEX1D1, SFMBT1, LILRB2, MAML1, FAM208A, ZNF827, GPATCH2L, NFIB, PCDHB15, SEC24D, FAM155A, CIRH1A, DUSP3, SC5D, FAM207A, SOCS5, SEC14L1, FAM229B, DNM1L, RWDD1, MMP8, GHR, TNNI1, MRPL39
hsa-miR-122-5p	CTDNEP1, ALDOA, RFXAP, PLEKHB2, MASP1, CLIC4, SLC52A2, PRKRA, NICN1, AC002451.1, ST6GALNAC4, P4HA1, FUNDC2, CLIC1, RBP5, CCNG1, EPO, BAI2, TBR1, PIGS, G6PC3, ZNF827, DUSP4, CD320, SLC25A34, FOXK2, SLC1A5, RIMS1, SLC7A1, PDK4, NPEPPS, MICU3, CCAR1, IGSF5, TBC1D10B, PIP4K2A, GRHL2, GALNTL6, SLC41A1, CLIC5, SSR2, PEG10, KDELC2, ADSS, MIPOL1, C20orf112, GRAMD3, DUSP2, FKBP5, MAF1, ANKRD13C, NT5C3A, CCNYL1, CANX, MMGT1, SUCLA2, BRPF1, ARL2, NOD2, CHMP3, RNF103-CHMP3, CALM3, SPRY2, FOXP2, CPEB1, OCLN, RP11-181C3.1, SLC25A51, HNRNPU, CTNND2, TBC1D22B, CS, KIF5B, AC137932.1, ARFGEF1, HECTD3, DENND2C, KLHL18, SMARCD1, PLAG1, ZNF668, KCNJ13, PLXNA2, MEIS2, GCNT4, BCAT2, NPAS3, SLC13A5, SLC39A8, KAT2A, SORT1, SLC25A29, STX16, UBE2G1, CCDC97, TEAD3, C17orf105, GNPDA1, STK24, H1F0, RGMA, CTDSPL, SERP1, RALY, FOXO3, NDRG3, USP53, AKAP10, SLC9A6, IHH, CALCOCO1, DAND5, MYO9A, LRP10, MOSPD1, EGLN3, NEGR1, BOD1L2, IL1RN, G3BP2, ATP6V1H, ZBTB41, FAM84A, DEDD, HIF3A, SORCS1, CDC42BPB, FUT8, OTUD7B, CBL, NAA50, SLC12A6, ADAM10, GALNT1, DLG2, SESN2, NFAT5, CLCN6, RRAGC, LARP4B, VAMP3, TFE3, DDR2, SPOCK2, IL18BP, SLC35A4, CTDSPL2, CDC25A, MBNL1, RAD21, GIT1, PDE7A, HHIP, PITX2, AGO1, ESR1, SP2, DR1, BACH2, PLEKHO1, SATB1, LAMC1, USP46, ANKIB1, GPR107, RASSF5, MLLT1, KIAA0247, FGF1, ARHGAP32, PAK3, WHSC1L1, POLR3D, SLC4A8, RIMKLA, PKM, MRRF, CCDC9, GREM2, MGAT5, FOXP1, LUZP1, CREB1, KDM2A, SOX6, RBM47, NHSL2, CRY2, CADM2, G6PC, TP53, BRWD1, SMYD4, CCRN4L, GATAD2B, DLAT, LMNB2, SNX13, XIAP, PCDH7, BHLHE41, PIGV, LRRC14, RAP1GAP2, TFDP2, LNPEP, SLC29A4, ERBB4, PXMP4, POMT2, PTPRB, EVC, WDR55, BEST1, CCDC6, ZNF703, OBFC1, MRPL3, C18orf32, DICER1, ACP1, STRN, RPL17-C18orf32, MEF2D, ECE2, NIT1
hsa-miR-122b-3p	___
hsa-miR-127-3p	PSMB5, KIF3B, CYB561D1, SETD8, MAPK4, C17orf96, SGSM2, KLHL14, CYB5D1, SEPT7, ITGA6, MEGF8, BCAS3, WNT7A, MTSS1L, ISCA2, RIMS4, ETNK2, GINS4, LAS1L, ZC3H4, RAB37, ATP2B2, FMNL3, DLK1
hsa-miR-151a-5p	C15orf37, KIAA1429, N4BP1, RALGAPA1, MTX3, IL1RAPL1, FBXO28, SOX12, CASZ1, ASB6
hsa-miR-199a-3p	KLHL3, SERPINE2, TMSB4X, PAWR, NLK, QKI, VAMP3, GNA12, PAK4, DEPDC1B, BCAR3, NOVA1, CDK7, PON2, FAM199X, CYB5R4, CD2AP, CISD2, MCFD2, UPRT, DIRC2, CD151, MAP3K4, PIGB, CELSR2, CFL2, SCD, FGF7, C9orf40, LPAR4, CXCL11, KIAA0319L, ITPK1, FAM60A, GREM1, RNGTT, ADAMTSL3, ARL15, UBE2W, ITGB8, LLGL2, ADRBK2, PHYHIPL, G3BP2, TFAM, ZHX1, CNEP1R1, RPS6KA6, RNF14, PIK3CB, KTN1, CDK17, FUBP1, SAMD12, AK4, CEP85L, MEDAG, FXR1, ZBTB18, PPP2R5E, ADAMTS3, CSRP2, SNN, CELF2, CNOT7, CBLB, LCOR, CNIH2, CHRM3, COPS2, DPF3, RORB, PNRC1, SOWAHC, SEC16B, CREBZF, COL4A5, KLF13, KDM6A, SDC2, PPP2R2A, PLEKHA3, SLC39A10, GNPTAB, NID2, PRKCE, ESRP1, TMEM106B, GAN, TMEM62, RABGAP1, CPEB4, C1orf21, ACVR2A, FOXQ1, STRIP2, RB1, CCDC85C, GCNT2, ALX4, TSPAN3, NFIA, KATNBL1, SLC24A2, TAB2, CHAD, SEMA3A, APLP2, YAP1, RAPGEF4, CXXC5, ACOX1, SLC20A2, NET1, SRR, VLDLR, PVRL3, NEDD4, PTPRZ1, MTOR, CCDC88A, LMO3, FOS, IL13RA1, PDE8A, LRRC1, ERBB4, PPP4R2, DDIT4, NACC2, PTPN3, CTNNA2, KDM3A, LIN28B, HACE1, SLC38A1, MPP7, FLRT3, CITED2, TGIF2, DDHD1, MARS2, ANKRD44, NRIP1, MEIS2, MAGT1, MAP3K5, PDE7A, YWHAZ, RAP2A, EDEM3, PTAR1, ATAD1, ADRB1, AEBP2, MOGS, CDK5R1, FRY, ZNF217, PDE4B, RBM47, ZHX2, RPAP3, PSD2, ARHGEF3, TRA2B, FAM133A, TUBGCP3, DCBLD2, MBNL1, STIM2, WDR47, SLC33A1, ITGA3, TXLNG, FAM49B, CABLES1, PTPRU, CD44, SP1, YWHAE, NUTF2, PLAG1, PDS5A, DNMT3A, IKZF4, WHAMM, ST6GAL2, ST8SIA4, IFFO2, NACC1, KCTD16, FBXO28, PHLPP2, LIN54, ADAM10, CHSY3, SLITRK6, FAM180A, STK11, ZBTB43, ANKRD17, IPPK, SMOC1, C20orf194, C9orf72, TMEM170A, RUNX1, PDE7B, CAD, DLL4, DTNA, BEND7, MDGA2, ENOX2, ITGA1, TMEM184C, PCGF5, TANC1, UCK2, FGF16, DUSP5, ARID4B, EXOC6B, PPM1B, UXS1, SUMO3, CALU, MED12L, CALD1, HHIPL1, PAQR3, GOLGA4, TACC2, WNT9A, TAOK1, MAPK8, AC073610.5, CMIP, IQGAP2, AREL1, ACER2, PLEKHH1, PHF6, PDGFRA, CHP1, TNIK, ITGA8, CCDC144A, CBLL1, PALD1, GPBP1L1, CELF1, PXN, C2orf49, YWHAG, ACVR1C, PLCB1, ATF7IP, DLX2, FN1, ABCA1, ZKSCAN1, WAPAL, ZEB1, STC2, HIPK3, MFSD6, EGR1, ITGA6, MMP24, AP3B1, SECISBP2L, BRWD3, MVB12B, MYO10, ABHD4, SMARCC2, RFX3, PTPRF, FRMD4B, LEPROTL1, CRIM1, HIC2, ADARB1, RCOR1, LONRF3, UBE2H, KDM5A, GGNBP2, MKRN1, KDM4B, COL19A1, RNF216, FUT9, MYO5B, ELAVL2, GOLIM4, SGK3, TULP4, SP6, NRF1, PCDH17, TMEM110, TBC1D4, ITPKC, CDC42SE1, PHPT1, OXSR1, NDE1, ZNF703, FBXW11, IREB2, TEAD1, RREB1, DIO2, TACC1, PTPRG, ADD3, UNKL, ZNF740, C6orf62, TSPAN14, PGRMC2, EHD3, DCP2, C8orf44-SGK3, ARHGAP20, SLC7A1, KLF12, LOX, NAA25, EPAS1, RABEP1, ZNF710, LMAN2, DAZAP1, ARHGEF2, CSNK1A1, ETNK1, EBF1, PLCE1, SCAI, EPG5, ARHGEF12, TIA1, PPAP2B, TLE2, ANKRD52, MAP3K2, USP6, ASTN1, GREB1L, TMEM200B, EML4, ASB14, PPP1R9A, B3GAT2, LRP2, CAV2, THRB, ATXN7L1, KPNA6, CREBRF, LZTS3, GFPT2, TRIM71, SCUBE3, TWIST1, ZBTB10, SLC23A2, USP37, CC2D1B, FAM53B, TMEM87A, SH3GLB1, ZBTB4, PURA, RP1-170O19.20, RP11-644F5.10, BBX, DSTYK, TPPP, CXADR, THRA, NUP155, ACVR2B, COL12A1, HOXA9, CHMP5, CECR2, SLC7A11, PURG, ATRX, GNAS, KAL1, PCBP4, NR6A1, PEX13, FAT3, TAB3, TMED5, MON2, RUNDC1, HNMT, TMEM33, KLF7, ZBTB20, NCOA1, NAV3, MMP16, POU2F1, ABL2, FGF2, INO80D, ARMC8, PLXDC2, FIGN, FOXP1, IGF1, CA5B, SBNO1, RFX7, MAPRE1, ATF6, SETD6, RORA, SOX5, SYPL1, ANKRD13C, STX11, MECP2, MLLT6, KCMF1, NUFIP2, REPS2, UBE2R2, KMT2A, CERS1, SLC30A1, SUZ12, BAZ2A, USP9X, MSH6, PRDM16, PPARGC1B, SESN3, ATAD2B, VANGL1, TRIM13, MEF2C, MMAB, CELF5, VGLL4, EMC1, SH3PXD2A, MFN1, DDR2, SIK2, FGL2, SOCS7, NAP1L1, UBE2J1, NDUFB9, WNK1, SLC45A4, RAPH1, DDI2, NOL7, CDC42EP3, ATP1B4, NRD1, BTN3A2, F9
hsa-miR-205-5p	BICC1, TNFAIP8, CHN1, NEU1, C11orf86, HSD17B11, C10orf131, TIMM17A, HS3ST1, TMEM144, SLC35B3, ABI2, FAM136A, LRP1, RNF146, ACSL1, CALCRL, SLC35A1, CFL2, CXorf21, CCNJ, CLTC, EVA1C, TGFA, YES1, CLDN11, SEPT4, GXYLT1, ARHGAP17, BTBD3, BMPER, NACC2, CTPS2, SORBS1, PET117, TP53BP2, CDH11, LRRK2, DSC2, NDUFA4, GEMIN6, ADAMTS9, DLG2, AAK1, SGMS1, CDK14, C3orf80, PTP4A1, ENC1, CREBRF, PCNX, RAP2B, SRSF10, CDK19, FOXF1, AL626787.1, PICALM, FRK, PTPRM, ONECUT1, SH3GL3, MARCKS, SH3BGRL3, CMTM4, CBX1, GLRB, CASC4, SATB2, DDX5, VEGFA, LYN, B4GALT6, ZFYVE16, ARRB2, EPB41L4B, LPCAT1, ZNF536, ESRRG, FGF14, USP13, PHYHIPL, MICU3, NAA11, NECAP1, NSF, PSMA4, SIAH1, ZEB1, TSHZ3, EFCAB4A, PGAP3, TTC19, TM9SF2, RP11-17M16.1, ABCD2, PSTK, CREB1, ZEB2, TAOK1, RBMS1, ABHD17B, DNAJA1, MSI2, CALU, PI16, METTL21B, MDM4, GRAMD1C, LAMC1, WWC1, FAM155A, HELLS, KLF12, C11orf34, NKX2-3, VASN, RBM47, RTN3, TBX18, PHC2, C11orf57, VPS13B, SMAD4, P2RY1, DAW1, PTPRJ, MMD, ABHD10, FBXO24, IL6ST, NAA25, EPB41, PPP1R15B, EZR, SBF2, PRKCE, HIATL1, MORN4, B4GALT5, NTNG1, HSPA13, MFNG, PDE3B, INPPL1, PHB, LHFPL2, FAM118B, PHF16, DCDC2, LPAR1, KRBA2, PNN, NKD1, GPR135, DSC1, OSER1, CNIH1, MSL2, CDC20B, PCDH20, CLK3, GATA3, TTLL7, PAPD5, UBE2N, TRAK2, SLC19A2, UBE2NL, ERRFI1, ZNF638, CALCOCO1, GCC2, SELT, RGPD6, AP1AR, B3GNT5, ROCK2, CASD1, ZBTB38, ELK3, GINS1, MAGI1, DUSP7, PPP1R3A, NCOA1, ZNF597, INHBA, TSHR, TM9SF3, FAM179A, E2F1, PDS5A, AL031666.2, LYSMD3, SCD5, RUNX2, SLC4A4, GLIS3, GRAMD2,

miRNA	Target genes
	MICAL2, RAB9B, DNM3, SYNJ2BP, CDH19, NSFL1C, EMP2, CDH7, TTI1, RNF157, CCDC93, C16orf52, GPX3, FZD3, PPP1R8, NOTCH2, LIMS2, KIF26B, NFIB, MAGI2, PROX1, ENPP4, PPP1R1C, SS18, PARD6B, SULF1, SEPT11, KCNB1, BEAN1, ZNF800, MTFR1L, XPR1, IVNS1ABP, FAM120A, CENPO, DGCR8, VPS52, ANGPT2, SLC26A2, CHIC1, MAP3K9, MED13L, DCHS1, C20orf194, BAMBI, RBFOX3, GPR61, LCOR, TMEM236, ZNF518B, HNRNPH3, SEPT5, ERBB4, STK3, C17orf97, COX4I1, RORA, QKI, LYPD6, TUBB6, ARHGAP19-SLIT1, HERC3, WWC2, AXIN2, ANKRD53, KLHL15, CENPF, RAB14, EREG, IRF2BPL, SEMA7A, VTI1B, PTK7, EVX1, TLK1, HCN1, FAM104B, EVA1A, HOXC12, MED1, AC012215.1, EPB41L1, JPH4, GMFB, LRP6, PAX9, AMOT, NDNF, TCEA2, LBH, COMMD10, FAM63B, SMIM14, AC010336.1, ERBB3, NRCAM, PTEN, NFAT5, CPEB2, MGA, ERP29, DOK4, TNPO1, CNNM1, FAM84B, SNX24, SMAD1, ARHGAP24, PSME3, MID1IP1, NUTF2, VWA7, MTRF1L, HOXD9, TXNRD1, CDC27, EPS15, GDPD5, UBE2G1, KCND3, ZCCHC14, UBFD1, BCL6, ATP7A, LSAMP, FAM168A, MYLK4, STON2, PJA2, MYO5B, NUDT18, AP1G1, MGRN1, TNRC6C, AGPAT6, RBPMS2, FSD1L, PHLDA3, BMF, AC104841.2, RBMS2, PLCB1, MGAT4A, ARFGEF1, RBM8A, TEAD1, WWC3, C4orf36, ETF1, FBXO22, NUP35, ANKRD50, TP53INP1, STS, RAN, CSNK1A1, AEBP2, ACBD5, SALL4, UBIAD1, YAP1, SERTAD2, PTCHD1, IMMT, BEND4, PIAS2, IKZF4, CALM1, ZNF148, FNBP1L, STRBP, ETNK1, PPP3R1, AFF4, SCMH1, SPOPL, KAZN, RAB11FIP1, MXD1, IRF1, ZSWIM4, LDB3, SIK2, ANO10, XIRP2, ZDHHC9, BROX, TAPT1, UBR1, CSF1, ELF1, SHROOM3, OAF, ZHX3, KLF3, SECISBP2L, ELAVL4, SLC16A13, TPP2, ENTPD1, SPATA13, SOGA3, SAE1, XRRA1, SUSD1, ITGA5, POTEG, LUC7L3, RNF207, DDX52, TET1, SLC5A3, POTEM, DDX11, TSC22D1, CCDC149, HIF1AN, USP38, MIER3, SLK, SP4, RUNX1, HOXD13, TRPS1, ELMSAN1, FAM73B, WNK2, RP11-156E8.1, PDE7A, MTF1, ACTB, SP6, LIN9, STIM2, SUGT1, MAPK3, PHF17, RPS6KA3, DDX6, PLCL1, POTEI, XPO4, HOOK3, LDLRAD3, EIF4E, SVIP, MPPED1, PURG, SRGAP1, UBE2E3, GTDC1, KPNA1, CUX2, DGCR2, H2AFJ, GPATCH2L, NHSL2, DHCR24, POU2F1, TFDP2, PRKCA, HMGB1, SEH1L, RNF213, CSPP1, TFE3, FAM155B, KIF1B, CTNNA1, EXOC8, PTPRG, SNX27, DBF4, DLEU1, KAT7, NFIA, CCDC176, HMX3, TIAL1, IPO7, PAFAH1B1, PSD3, RBM12, MTMR4, BCAS3, NKAP, ALX4, WDTC1, INSR, LRP4, CDC42BPB, LANCL3, SLC30A7, KLF7, ARID1A, KMT2A, PRMT6, HIPK3, TNRC6B, RARA, NSUN5, AGO1, DMXL1, PAQR5, NEK6, PREPL, MXI1, ANK2, HNRNPK, TBX3, ZNF609, PFKFB3, TBCEL, MPRIP, ZNF436, MAGI3, PIGV, TBC1D13, CCDC43, CLCN6, SYPL2, CAND1, SLC24A2, SEMA4C, TMEM260, XYLT1, DOCK3, PAPLN, RTTN, ERMP1, SEPT3, XIRP1, CCNT1, TOB2, KNTC1, S1PR1, UNC5D, APBB2, GBA, RANBP2, NHP2L1, SLC8A1, RNF4, ARMC8, GTF3C2, ITGB3BP, LPHN3, STRN, THBS1, FAM208A, SPRY1, PPM1H, CRMP1, UBQLN2, NFIX, TRAM2, PTPRD, NR6A1, CTH, NPEPPS, XRN1, AFF3, PRDM16, MECP2, HNRNPR, IFRG15, TMEM136, NAA35, KHNYN, GJC1, MMAB, CADM1, CEP128, CSNK2A1, C12orf29, DGCR14, SMARCD1, KCNMB4, GGCX, ZBTB20, SIPA1L1, CCDC85C, CNP, C15orf61, RGS18, RGPD4, MELK, TACO1, RP11-210M15.2, FAM216B, IL1RAPL1, ZNF652
hsa-miR-21-5p	BRWD1, ZNF367, KRIT1, IL12A, FASLG, FGF18, CCL1, GPR64, AIM1L, PLEKHA1, RSAD2, YOD1, PELI1, TGFBI, ARMCX1, MATN2, SKP2, NTF3, TIMP3, BEST3, SMAD7, MSH2, RNFT1, SATB1, PHF14, FAM13A, RP2, RTN4, ARHGAP24, UBE2D3, PPP1R3B, LRRC57, DUSP8, PDCD4, SOX5, KBTBD7, RMND5A, RAB22A, PDZD8, OLR1, SLC2A4RG, SPRY1, PFKM, S100A10, RALGPS2, GLIS2, KLF5, SPRY2, ELF2, RECK, PCBP1, SLC16A10, ST3GAL6, KBTBD6, PPP1R3A, SKI, PITX2, DMRTC1B, STAG2, CD69, TADA2A, TRAPPC8, CPEB3, GMFB, PCSK6, SESN1, PCBP2, HRK, BCL7A, GLCCI1, GABRB2, ARMC10, LANCL1, PAN3, ST6GAL1, ASF1A, PBRM1, JHDM1D, JAG1, MAP2K3, GRAMD3, CHIC1, TMEM170A, DCAF7, HIPK3, TIAM1, OSR1, MAP3K1, C10orf12, CASKIN1, MBLAC2, RBPJ, DAZL, NFIB, XKR6, ERG, ALX1, PLAG1, CNTFR, RP11-766F14.2, PSRC1, ZFP36L2, ACVR1C, THRB, FBXO11, SRL, XKR8, CSRNP3, FAM46A, ZBTB47, NAA50, LEMD3, STAT3, ZSWIM6, SESTD1, RBM22, RASA2, PAG1, SLC8A3, KLHL42, PURA, ADNP, SRSF3, AP1AR, NFIA, CCL22, VTA1, ARHGEF12, PIK3R1, WWP1, PRRG4, ZNF704, MAPK10, SOCS6, FRS2, VASH2, NELL2, NIPAL1, SOX2, ZBTB8A, PVRL3, EIF4EBP2, CNOT8, LIFR, KLF6, RAD21, CADM2, GATAD2B, PI15, FGD4, MSX1, SMARCD1, MRPL49, CCR7, SLC10A7, MIA3, NPAS3, MARCH5, NUDT5, ZCCHC3, PPP3CA, SPG20, MXD1, VHL, RPRD1A, CBX4, CHD7, BOLL, RPP25, ABHD10, IL6ST, SERP1, RYBP, TAGAP, RASEF, JPH1, FBXO28, MBNL1, RAD51L3-RFFL, GTPBP1, MICALL1, EPHA4, UBR3, NEGR1, VCL, FAM63B, KLHL15, ESM1, POC1B, BTG2, LRP6, TESK2, COL4A1, RAVER2, FGF7, MICALCL, RFFL, CDC25A, MBNL3, RGS7BP, KPNA4, AKIRIN1, ROR1, CCL20, PURG, PIKFYVE, ANKRD46, AIF1L, TET1, HNRNPK, SOWAHC, EDNRB, SLMAP, C11orf87, MKX, GLYR1, PTPN14, PDZD2, AGO4, CD97, EGR3, PANK3, IL6R, DNAJA2, GPC4, EFNA2, FHDC1, SNX29, UBN2, RSRC2, AP5M1, RASA1, MYCL, POM121C, ROBO2, TRPM7, KCNK10, RDX, TGFBR2, HGF, MARCH6, ALX4, FCHO2, MEIS1, BMPR2, RHOB, GNG12, C16orf52, KIAA1468, PRKCE, MTMR12, EXTL3, KLF3, BCL2, RASGRP1, SCML2, BNC2, BAHD1, LMBR1, SOX7, SLC30A10, GAB1, MSL1, COQ10B, GXYLT1, CREBRF, SASH1, XKR4, DCUN1D3, STK40, PURB, PLD1, CNOT6, MCAM, CREBL2, KCNA1, CDK6, SCRN1, NBEA, SEMA3A, TMEM260, MEF2C, TGFB2, TNKS, RBMS3, TNPO1, SUZ12, AP3M1, EHD1, DNAJB14, CD47, ATXN3, C17orf102, ABCD2, ACVR2A, MPRIP, SNX19, PAIP2B, WNT2B, BCL11B, ZNF207, TRIM33, TSPAN2, MAP3K8, ANKRD33B, BMP3, STRN, ACBD5, NETO2, KLF9, DAG1, MEGF9, RNF24, FAM126B, UNC80, THBD, CCDC171, RNF111, BRWD3, MRPL45, MAPK1, PYGO1, TBX2, TNRC6B, IFFO2, MTAP, NIPBL, HECTD1, SNTB2, C17orf75, ZADH2, TIGD2, HDAC9, HNRNPU, KLF12, TNS1, SAMD8, RPS6KA3, FOXP2, GID4, AAK1, DNAJC16, TNPO3, SPRY4, PRPF4B, FOXP1, WNK3, AGO2, SOX6, NHS, PTPN9, YAP1, ETNK1, SNX11, HSPA13, GTPBP10, RAB11A, FAT3, DST, CRIM1, PDE3A, FMN1, SESN3, NFAT5, KAT6A, FOXG1, SPPL3, SEMA3E, TENM4, TRMT5, FAM107B, MCMBP, FTO, CDKN2C, C1orf112, MTHFD1, RETSAT, CMC1, CYB5R4, CADM1, BCAS3, TLK2, FZD8, METAP1
hsa-miR-218-5p	TUB, VOPP1, SGCZ, TPD52, C3orf70, SAMD12, ONECUT2, SERP1, HECTD2, RABGAP1L, MOSPD1, KCNJ6, KCNIP3, SNX4, HPGD, PIEZO2, CTC-360G5.1, PALM2, MDGA2, UQCR10, SHC4, GNG3, VAT1, C2orf88, TMX1, SKAP1, METTL21A, FAM162B, MDGA1, JMY, CCDC89, BMI1, COMMD8, TMEM25, LYSMD3, SLC6A1, KLHL29, GPR45, LMO3, NMT2, VAMP7, RASSF2, ANKRD40, TFAP2E, COMMD3-BMI1, GLCE, STAM2, PLCL2, ST8SIA5, RCBTB1, KIAA1456, GPR63, RNF103, SPI1, TNC, SYT13, GREM1, MIER3, COA1, AIF1L, TSHZ2, C7orf25, B3GAT1, CDC42SE2, KIAA1161, GPR161, FAM196A, UBE2H, FAM196B, FHL5, OTP, GABRB2, RGS17, UBN2, MRVI1, KCNK15, FBXO28, RNF139, PPP2R5A, TOB1, RPP25, PTPRA, PTP4A1, SH3D19, GALNT3, TAF11, SYCE3, NUP50, MED17, RAB8A, LHFP, NHLRC3, VASH2, DCBLD2, HAPLN1, ZNF654, FUT9, RET, LRIG1, SNTB2, RPS6KA6, SHANK2, SPSB1, SLC24A4, TSPAN3, FAM63B, RHOBTB1, KCTD9, RNF41, FAM3C, CHST8, SERPINI1, ACTN1, ITM2C, LYPD6B, PLGRKT, NPY1R, WASL, KCNK12, MBNL1, SFMBT1, RNF219, ADIPOR2, NEBL, SHISA6, TPBGL, HIVEP1, ZWILCH, PLCG1, VWC2, FAM175B, BRCC3, KLF9, SCRT1, KIAA0040, SSR3, PPP1CB, PRKG1, AP1S2, PPP1CC, YEATS4, RPS6KA3, L3MBTL3, SLC17A6, ZMAT4, PCLO, MCF2, POC1B-GALNT4, KIRREL3, RNF114, NCAN, PLXNC1, RIC3, GNAI2, INTS6, RBM47, MAGI2, MITF, USP32, HOOK1, SERTAD4, CLK3, FAM217B, TSPAN5, TMEM163, NFATC3, HOXD10, PEX5L, DOLPP1, TXNDC5, OTUD7B, TACC1, APH1B, SH3KBP1, DPF3, SASH1, SNX18, RUNX2, MAFG, LASP1, TRIM71, MRGBP, GSKIP, KLHL25, GRIP1, FCHO2, NRAS, SERTAD2, ZNF609, C11orf87, PBX2, UGT8, ROBO1, DHX29, NAPEPLD, RELN, SLC35B2, RIMBP2, BAI3, L3MBTL4, BTG2, SEC61A1, CA2, DCUN1D1, SPRED2, TMEM178A, PPP4R2, CDCA7L, KLF12, TMEM150C, SLC6A17, TAC1, HLF, RNF149, ZBTB11, JDP2, C6orf62, PAIP2, CALN1, DYNC1I2, SIK2, GNAS, C17orf70, RAB8B, HS3ST3B1, MARCKS, RAB6A, GRAMD4, EPS8, PAG1, KCNT1, ELOVL5, MTMR12, RRP1B, DUSP5, PIK3C2A, GALNT13, PCDH8, GUCY1A2, SOST, GSX2, OTX2, NACC1, MSL2, ZNF518B, TUSC5, ERC2, PDE7A, HCN3, FRZB, RP11-47I22.4, HNRNPA3, SCN2B, PCNP, RP11-302B13.5, DUSP18, BCL9, ZFX, PDE8B, STXBP1, GALNT4, CTNND2, GDPD5, BCAT1, TNFAIP1, EBF3, SV2A, LGR4, TCF19, DPP6, INHBB, DNAJC3, PLD5, ARF6, SMPD3, RNF38, C6orf120, CADM2, MBD6, PDYN, SOCS3, LRRC55, GFPT1, TBC1D8B, ZC4H2, HS3ST2, PPP2R2A, ST8SIA4, GPR153, WASF3, ITSN1, NF2, USP34, FAM65B, POLD3, SETBP1, FBXL2, SYS1, MEGF9, AP3M1, FAM13A, KLHDC10, ELMO1, RCC1, ZEB2, HOXA1, KAT8, CHM, CCDC6, KIF21B, FSBP, ZNF638, SERINC5, HS6ST3, TOX3, SLC16A14, GDE1, SEPHS1, AFF4, SOCS6, SMUG1, MBLAC2, KLHL13, LPCAT1, LMNB1, GNAO1, DKK2, LARP4B, SPRED1, TMED8, NUMB, ARHGEF12, EPHA8, SSR1, ZRANB1, RICTOR, PVRL1, RPS6KB1, DBNDD1, TP53INP1, ROBO2, LYVE1, RTN3, CDC20B, TMEM123, KIF2A, ERGIC2, GAN, YIPF6, TMEM132B, FAM20B, FLRT3, NRXN1, SLC16A10, PCMTD2, KCTD16, TMEM151A, SORCS1, COA5, HCFC1, DDX21, PURB, SH3RF1, SPOCK3, PLXDC2, EIF5A2, CHFR, BIVM, GRM3, TRPC3, KIT, RYBP, SHOC2, SERBP1, BICD1, SEMA6A, PDGFRA, EDEM1, MBNL2, SLC35F1, PRKAR2B, RASSF5, GPAM, C16orf70, CREBZF, BMP5, RLIM, SATB2, FGD4, TCF12, CDH2, COL1A1, NECAB1, POMGNT1, RBM18, THTPA, ACSL1, RNF165, B3GAT2, GOLT1B, PHF17, GET4, CCDC24, KIAA1045, CNTNAP2, ZMIZ2, UBE2E2, UBQLN2, UBE2G1, CPNE8, ONECUT3, KCND1, PTPRK, LRRFIP1, BEND3, CLNK, GNAI3, FAM214A, RNF19B, TMEM156, ARID4B, C5orf15, SDC2, RAPGEF4, WNT2B, ANKRD34A, ZBTB41, RORB, NRXN3, RNF220, CNOT7, MARCH4, LMLN, HOXB3, PPP2R2C, KIAA1522, RAP1GAP, SLC39A1, MCC, GAB2, LPPR4, VSIG8, NUDT10, SLC18A2, RER1, SCAI, GPRC5B, KLHDC8A, RABEP1, FZD4, EIF3J, SLC12A2, AFAP1L1, NEUROD4, EGLN3, C9orf47, FHOD3, DNAJC13, OXSR1, CTD-2207O23.12, WDR26, MID2, IKZF1, FAM109A, BBX, PURA, DIRAS2, PAN3, ZNF831, VSIG10, CTGF, DCUN1D4, CBX7, ZNF202, DAZAP1, MAN2A1, SOCS7, FRMD6, MYO16, IDH3A, KIAA1024, MYT1L, ANKRD44, PTPRM, CACNA1I, ELL2, LMO7, ZNF462, SENP1, ARAF, TXLNG, GLIPR2, YPEL2, SMCHD1, MRPS36, RAB33B, TTC39C,

	SLAIN2, THSD7A, LHX1, TLK2, SMEK2, AL626787.1, AKIRIN1, PIK3R1, CTNNA2, ZNF385A, ORC2, HNRNPC, MME, PPAP2B, MVB12B, ABCD2, SOX5, SRGAP2, COL4A3BP, RFX3, AC010441.1, ZNF583, DERL2, LHX9, PHF20, LHX4, NFIA, IMPAD1, SLC38A1, PUM2, TRIM9, PAK3, CSMD3, LRRN1, CLDN2, FYCO1, UBR3, RYK, NEURL4, DLG2, UBE2V2, EXOC5, GJA1, MTF2, MSI2, DCX, MTMR1, CTTNBP2NL, HNRNPA1, CDS1, TPCN1, RANBP10, NAV3, SLCO5A1, KLHL11, FGFR2, KLHL23, FAM171B, ADO, RIMS4, YWHAZ, FLNC, NPAS2, FBRSL1, RNF152, SMYD1, GHITM, C20orf194, CELF6, HP1BP3, SRP72, SGCD, ATP8B4, ICK, ADCY9, KCNB1, PTPRR, GPR83, USP45, AGO3, LIN7A, WDR47, UHRF1BP1L, SLITRK6, SH3GL1, GPR126, ERMP1, NXT2, EBF1, SPAST, MPPED2, CLVS1, ELK4, QSER1, RHOQ, CHD6, SYNGR1, SPECC1L, SLAIN1, MTHFSD, MFHAS1, RCOR1, GABRB3, YY1, TAOK3, RAB1A, DIRAS1, KPNA4, GMEB1, PRLR, PDE12, CNN1, SNCB, GPD1L, CACNB4, ORC5, TEAD1, EPHA7, CNOT2, DNAJC27, DDX6, CABLES1, ZBTB34, LAMP2, TRHDE, SHISA9, LRRC7, GRM1, RGS20, ZMIZ1, THOC2, KCNQ5, ABL2, PHYH, BIRC6, KCNE1, KIF13A, HOXA10, HOXD4, SORBS1, ARHGAP17, ATXN2, ACSL6, BAZ2B, SH3BP4, ANKRD27, TCF4, GRIA2, MEPCE, GNA13, PPARGC1A, MAP3K2, SOCS5, NFIX, PI4K2A, UBE3A, RIMS1, GRIK3, GRIK2, RUNX1T1, CRKL, KIF3C, KDM3B, RAD52, HMGB1, PPP1R26, KLF3, TMEM33, RPA3, GNB1, RAP1GDS1, NFATC1, DFNB59, ZKSCAN1, FAM78A, LIFR, ABCG4, FAT3, ISCA2, KCNK2, TP53INP2, TBX15, POU3F2, SV2B, NAGS, MOGAT3, KDM5A, SLC39A14, KANSL1, CENPB, ASIC1, CCDC64, TENM3, SCAMP5, CALM1, LCORL, FRMD4B, ZBTB39, ZDHHC2, ANKRD13B, ERN1, SCRT2, KCNQ3, PCDH9, CLASP2, GPR137C, SCN1A, PTPRT, CREB1, DESI2, CNTN1, ZBTB16, ZNF697, CCDC144A, PHF6, PRRG3, PXN, FRMPD4, RAD51L3-RFFL, DPF1, AK4, POU3F3, RORA, C7orf60, DAAM1, MAPK8IP3, STK38, IPMK, SNAPC5, PIGH, LRP1B, SFMBT2, ARHGAP5, KIAA2022, TGIF2, CYP7B1, NAB1, ZDHHC23, ADRB1, LDLRAD4, FBXO41, SEMA6B, PTPRG, AGPAT3, SENP5, ATRN, PPP2R4, KDM2A, TMTC2, PAX2, MEMO1, NAT8L, PPME1, SLIT2, RPS9, ZXDA, RAB30, ZIC5, SLC45A3, NMNAT3, EPHA5, RASAL2, ZDHHC8, ABLIM3, BVES, PHC3, EFNB2, CDC42BPA, CBL, KLHL18, KCNA1, TMEM184A, AMMECR1, FCHSD2, CLCN3, SNX13, DNAJA4, TBC1D12, PUM1, NAA15, LIPG, GABPA, PTPN11, SRCIN1, ISLR2, RFFL, HIVEP3, RSBN1, EXTL3, SPAG9, THRB, SMG7, PSD2, XKR7, USP6, TBX20, BRPF3, ZFP91, PPIG, NDRG4, PLCXD3, PDE3A, PRKCE, C1orf21, KRIT1, XKR4, ARL5B, CELF5, DPP9, ASAP1, CDH4, ASXL3, SLC22A23, FGF12, ARPP19, UNC13A, KCND2, SYT1, CC2D1B, FBN2, KMT2A, DOCK9, NFE2L1, NBEA, ATXN1, KCNQ4, SKIL, SEMA5A, ZBTB20, SSH1, TANC2, ZNF280C, CAB39L, PKP4, NXF1, CGGBP1, WDR44, RARA, SGSM1, TCF20, NSRP1, RAPGEF2, CCDC177, RBPJ, DNMT3A, KCNN3, ZNFX1, ZNF236, CCP110, CHL1, JAKMIP3, PARP8, SRSF10, LPHN1, GDI1, PLEKHG1, PCGF2, DPY19L3, GINS2, LGALSL, VPS13B, RPP14, DLST, SLC6A6, CACNA1G, USP31, SFXN5, CACUL1, SALL3, NUMBL, CEP85L, KLF8, SOCS4, C7orf41, CLCN5, TMEM127, GRIN2B, ATRX, ADAM10, BDP1, TPM3, PHF15, RIMS3, SEC14L1, CCDC88A, MED1, SP1, CNNM2, JAG1, SNX12, C20orf112, MPP6, GATC, TRIO, ERBB4, TNIK, STYX, SRPX2, DST, AL021546.6, CBX5, CXorf23, STXBP4, CDK8, AGO1, BCL11B, COPS7B, TTYH3, PDZD4, ST18, MEF2D, HECTD3, UBTD1, WIPF2, GSK3B, SAMD8, INSIG1, TMEM68, SLC5A3, FUBP1, AP2A1, PCDH17, XPO5, CTDSPL, NR1D2, PPP6C, FAM178A, DCP2, CELF1, SOX11, LPP, SOX6, KIAA1549, LRCH1, KPNA1, FIGN, CASKIN1, FAM81A, POU2F1, DACH1, CUL3, ZBTB10, PROX1, SLK, GOLGA7, SREK1, MARK2, ALG6, MAPK1IP1L, PLXNA2, SKI, MARK1, MED12L, KCNH5, FRMD4A, CPEB2, SIAE, ELFN2, CNTNAP5, PCDH1, DAGLA, METTL20, STEAP3, USP49, BAHD1, LPHN3, TDP1, TMEM185B, ANK1, FAM126A, SYNE1, FOXP2, PSMC2, AFF1, MYSM1, PIAS1, KNG4, PLXNA4, KIAA1429, JAKMIP2, RALGAPA2, HIC2, CAMKK2, HRAS, PAX5, AJAP1, FLRT2, EPB41L1, CNOT6L, PLXND1, SCN8A, C8orf46, SHISA7, CBX8, MBD5, TSR1, SETD7, WDR48, PSME4, POLH, CEP97, SHC1, LRIG3, ELMSAN1, ZC3H12B, HIVEP2, DNAL1, GFRA1, PSD3, OTUB2, GAPVD1, GPR85, FOXN3, PCDHA11, CBLB, MLLT3, SENP2, CYB5D1, MEF2C, REPS2, STX1B, HCN4, TRIP12, LNPEP, MECP2, ARHGAP32, DBN1, POLR2C, SREK1IP1, ARRB1, CSNK2A1, PGM2L1, PCDHB16, AZIN1, ADRBK2, ETNK1, ZFYVE26, PCDHA7, PCDHA5, PCDHA12, PCDHA2, PCDHA10, PCDHA4, PCDHA9, PCDHA6, PCDHA1, PCDHA13, PCDHA3, PCDHA8, PCDHAC1, ADARB1, WDR55, MPRIP, PCDHAC2, CDC73, RP11-315D16.2, NUFIP2, PLEKHA3, BSN, SLC25A16, ZDHHC18, SESN3, RRP8, C9orf156, CRTAP, SLC38A9, ZFHX2, GALNT1, XRCC5, PTRH2, RBBP7, ARL3, USP9X, CASK, PTCHD1, AHSA2, ANKRD52, EXD2, C1orf35, WIPI2, SUPT3H, NUPL2, GDAP2, SHMT1, UBE2J1, KHNYN, ABI2, GNPTG, DCUN1D5, TSPAN9, SNTG1, DOCK7, KCNH1, KRTAP3-3, CCNK, METTL24, MALSU1, ACO1, CDR1, ANKS1B, DDX5, SHC3, APEX1, DKK3, KCNC2
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LIMD1, MAPK1, TRIP13, GTF2H5, HTR5A, LUC7L3, ZNF17, MAPK14, TGFBR2, TMEM72, PIGP, GTF2B, DGCR14, WEE1, DKK1, ABCB11, MRP63, PRPS1, GATSL2, UGT2B4, RNF214, MRPS23, EHF, BCL11A, UQCR11, CYTIP, SH3D19, NDUFAF4, NARS, NFS1, XRCC5, FCAR, HDAC2, CLCC1, EPHX2, CNNM3, GAL3ST3, PIWIL2, PAICS, ZNF607, CRISP1, GABRB1, ITIH5, RAB42, TREML2, SH3TC2, ACOT2, NNT, RPL37A, IL1RAPL1, SPIC, PCDH11X, GRAP2, ISL2, POFUT2, RNF213, SLITRK3, HLA-DRB1, CYP2B6, SLC24A4, CNOT2, RAP2B, IL12RB2, GALNT8, SP140L, SCOC, POTED, CDC3, ATP5G3, LAIR1, BTN3A1, RNF149, TLR8, HBS1L, USP9X, RAD51, FECH, ZBTB20, TOR1AIP1, CDH19, ITGB1BP1, ARGFX, VEZT, CRP, YIF1B, TTC13, AGBL5, AGTRAP, PSMD1, P2RY10, ANKRD32, GABRP, CCT5, TMED7-TICAM2, LAMA4, SCN1A, TFAM, CLDN19, TRIM72, AP5Z1, TYRP1, ELMO1, MARCH6, RBM22, CRIPT, SYTL4, SPATA6L, GOLM1, SLC10A6, RAB5B, SDHC, KDM3A, ZFAND5, MFSD2A, NDNF, TICAM2, C16orf45, BID, FOXP1, FOSL2, BSND, PCDHB15, TIMD4, ASTN1, C14orf23, GPR34, HCN1, FMNL2, NCOA7, TNS4, PDLIM3, VIM, PDXDC1, CACUL1, 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	CPNE2, ARHGEF33, SLC6A8, C18orf25, PRPF8, SMEK2, XPO7, FGF1, VCAM1, GAD1, ELOVL2, LAMA4, HOXA13, RAB10, ADNP, ZFYVE21, GRK5, RNF11, BDNF, NR5A2, CHMP1B, INSIG1, HGF, GDAP2, CHD2, NFIA, SUV39H2, RGS17, PCNP, GRM5, HAT1, DCAF7, KLF12, GTF2E1, ZDHHC23, FBXO45, AC012215.1, MAFG, R3HDM2, FAM46A, ZNF532, MEIS2, WNT5A, RAP1GDS1, TMEM39A, C11orf30, EIF4A1, GRIA1, CTNNA2, WAPAL, DIO2, TRIM26, HMGB2, FAM134C, MALT1, UBN1, DYRK3, SDC2, TWIST1, GPR37, NBEA, G3BP1, ACBD5, ZNF697, C16orf52, KCNH5, ERF, MBNL1, FOXJ3, KIN, GAS1, ITM2B, POU4F1, EPB41, SNX27, NRF1, MEGF9, PRKG1, NHS, SNRK, ICK, CAND1, MTSS1, ST6GAL2, UBR1, GLS, SKIL, PDE1C, RHBDD2, SLC30A4, LHX5, FZD3, KIAA0408, SLC34A2, GABRB3, CNNM4, HIPK1, SYNGR3, UBXN2B, KLF10, DEK, HNRNPA1, PTBP1, GDF11, RAB11FIP1, HIC1, ARAP2, CCNY, DR1, FRS2, AGFG1, VPS29, TMEM170B, GAS2, KANSL1, CDC73, GRHL3, KPNA6, BHLHE40, TBC1D4, SNX29, CORO1C, ABI3BP, JPH3, COL25A1, PDCL, CREBZF, DLL4, USP34, EPHB4, DLC1, CYFIP1, GRIN2B, INSIG2, RC3H1, TGFB3, FKBP5, HMBOX1, NUP37, CCDC30, PHF2, PPP1R3F, MCC, OSBPL3, SP9, BCL2L11, BTBD7, TM4SF4, LEPROTL1, ACSL3, KMT2E, SMOC1, FBXL3, RRN3, ST6GALNAC3, CHTOP, SMARCA5, PTBP3, KCTD3, COL13A1, NCAM2, KIF11, KIF1B, KIAA2018, CREBRF, GABRG1, RCAN2, FSCN1, CXXC4, GPRIN3, NLK, YY1, LCOR, AFF4, PCGF3, PSD2, CCAR2, TEAD1, AAK1, DCUN1D3, GNA11, BAZ1B, NBEAL1, SLC35F5, THUMPD1, DCLK3, HMGXB4, PPP1R10, SGTB, PIP4K2B, AZIN1, PPP1R2, TSC22D1, TMEM68, MCL1, PVRL1, TRPC4, DGKH, LIG3, VCAN, HOOK3, SLC38A1, UBXN7, ARHGAP20, NCOA2, SORBS1, C10orf12, CEP41, RYBP, REL, RNF24, SATB1, DENND2C, PPM1A, PEX13, SPRY4, KDSR, LRFN1, ZBTB39, SEPT11, DDX6, DAG1, PRR12, ZFHX3, IREB2, TMEM168, HNRNPD, FLRT3, MARCH6, AP1AR, RORB, FBXL18, SOX2, GRAMD4, FAM107B, TXNDC5, PI15, LRP6, TMEM259, NUDT4, TAF4B, PHF15, FOXP2, MMGT1, SPRY3, FRMD4B, RNF34, CLOCK, UBE2B, RASGEF1A, SLMAP, MSANTD4, MED13L, SIK2, MARCKS, RFX1, NFIC, CSRNP3, ATRN, NFATC2, FAT3, PCSK4, ROCK1, ANK3, TET3, IPO7, MTF1, PHIP, DKK3, DHX40, ATP2A2, UBR5, C11orf84, GJA9, SCAMP1, MTMR12, ACVR2B, RNF152, DENND4C, ST8SIA2, RNF125, UBE2F, RRAS2, CYP7B1, PFKFB3, HECTD1, CNOT2, LIN7C, MXI1, MPP6, RBM12B, SNX9, DCUN1D1, KCTD15, SP1, WDR91, NUCKS1, ZNF292, ZNF236, C4orf32, ARIH1, JAK2, FAM184B, KPNA3, HMGN2, MMP24, UBE4A, GNB4, SLAIN2, VAPA, BNC2, NRP2, SOCS5, SLC4A5, DOCK11, LPHN1, ITGA6, NCKAP1, HACE1, PDS5B, GPC1, BRD4, KLF7, CBX5, PATL1, ROCK2, RNF40, TRERF1, BCL11B, ESR1, ASXL2, MXD1, SPEN, ST5, PCDH7, PRRC2A, TRIO, KCNQ3, KIAA2022, CFTR, ZBTB38, LRRC58, CHD9, UNC5D, HCFC2, VCPIP1, ATXN7L1, LRRC8B, SCAI, CLSPN, SP8, DNAJB14, ZNF652, HMGCR, SBF2, FYN, TCF3, KDM2B, NUFIP2, ITCH, CCND2, MSRB3, XIAP, LRRC1, AC074091.13, TRPM7, PKIA, DNALI1, SOGA3, EXOC8, RNF111, STK24, CASD1, GAPVD1, SRSF10, PURB, TMEM184C, LANCL3, BMPR2, HHIP, MYCBP2, SPPL3, PCYOX1, COL3A1, KIAA1432, IMPACT, SH2B3, SUGT1, ELK4, TPD52, ZC3H4, KIF3A, AGO3, ATP6V0A2, AKNA, MAVS, PSD3, LARP1, MED13, MSL2, SPAST, TENM1, PIK3C2B, KCNE4, HCN1, SLC6A17, KCNJ3, RAPGEFL1, AFF3, SP2, EEA1, KDM5B, TLN2, DGKD, CLCN5, JHDM1D, STYX, MFN1, CRTC1, HIPK2, CDC42BPA, RFX3, CREB1, TTBK2, EML5, WWC1, APPBP2, SRGAP2, DPP8, RALGPS1, SPRED1, FAM199X, FAXC, HSDL2, CLDN1, SIRPA, ANKRD12, CDYL, NFAT5, ZNF592, MAN1A2, ZDHHC2, NUDT11, KCTD12, PPP1CB, SLC44A1, SETX, SBNO1, ADAMTSL3, CECR2, WASF3, MAGI1, XKR7, CMTM4, CNKSR3, GTDC1, PIWIL2, NOTCH3, VLDLR, FOSL2, ARHGAP44, BIRC6, PLXNA4, CLIP3, FAM19A5, KRAS, VCL, ZMYM4, BMPR1A, MAP3K2, HEATR5A, CBL, SLITRK3, TSC22D2, PRICKLE2, BNC1, DLGAP2, BMPER, AKAP12, TNS3, SPRY1, SLK, CRTC3, RSF1, GRIN3A, MN1, FLJ27365, MARCH1, VAV3, NFASC, APC, HOXC8, GOLGA2, APBA1, CTBP2, EPB41L1, DAGLA, SHANK2, ARHGAP35, SLC4A4, STOX2, GATAD2A, OTUD3, THBS1, MGA, CUX2, ZBTB16, LIPG, AFF1, ZBTB14, APPL1, STK40, ZNF384, GREB1, GMEB1, COL11A1, RAP1A, RIT1, ANO1, MAML2, ERBB4, OSBP, AMER2, NR2C2, FAM175A, HIP1, PBX1, RNF216, DDHD1, LARP4B, NPR3, SORL1, RAB6B, THRB, PDE10A, KIAA1468, DCBLD2, USP46, PDS5A, KLHL15, CHD4, HCN4, MLLT6, PPP2R2D, HOXD12, STRBP, CXorf23, SLC25A16, TIAL1, CREBBP, SCIN, SLC7A1, TFAP2B, RPS6KA3, RBFOX2, SMO, FAM104B, CSNK2A1, NSD1, RNF217, SLC8A1, PHF21A, MMAB, XPR1, PLEKHA6, DDR2, GLUL, TM7SF3, DCAF10, CUL3, PDE7B, CHD1, FAM208A, CBX8, TCERG1, AGPAT3, BAMBI, C15orf61, CR1, CADM1, ZBTB20, GRIN2A, GABRB1, IL1RAPL1, IQSEC2, EXT1, DCC, KCNH1, KIAA1211, PTCHD3, NRXN3
hsa-miR-450b-5p	CAMK2N1, TFRC, TCEAL7, MYL7, CDC42EP3, CENPK, KDELC2, SMIM9, SPTSSB, TTC32, CHMP2B, NOXRED1, PDCD6, RPLP0, TMEM257, SLC17A6, AL359195.1, TRO, C18orf42, CAMTA1, NFE2L2, SNAPC5, JKAMP, PABPC3, ZNF195, LOR, PPP4R4, HUS1B, USO1, CMTM8, KCNJ16, KRTAP2-1, SOX2, NUDT15, C1orf174, DEPDC4, SLC16A10, CT62, REP15, MAGED4, ZBTB38, ASUN, UBE2W, OGN, MAGED4B, ZNF226, C11orf82, SLC1A6, KRT20, SMCO3, CCDC91, ECT2, LUM, XPO4, MS4A12, GEM, MRPL35, PI15, SEPHS2, PGRMC1, PNRC1, SLC38A1, CBX3, CCL28, CCDC141, GSN, PABPC5, IFI35, TRIM7, EXOSC3, TCEAL1, SC5D, FYTTD1, C16orf47, FAM174A, C15orf61, AC016559.1, AC012215.1, NRXN1, DHRS4, EDIL3, NUDCD2, TRAPPC3L, AL359878.1, XIAP, KRTAP4-12, MUM1L1, IQCK, C4orf26, ELAVL4, KCNQ5, LSM14B, PDSS1, TEX13A, REEP1, SPOPL, BAALC, VCX2, GJB7, MCFD2, FCRL2, ETS2, LBR, BCL10, OR5T1, C3orf58, AL353791.1, AL441883.1, SUPV3L1, TRIAP1, SPIN4, ORC5, CDKL4, SESN3, HIST1H2BN, DHRS4L2, C8orf49, TMEM178A, CTH, ZNF474, CYP7B1, PMP2, T, VPS36, POC1B-GALNT4, DCK, GGNBP2, 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hsa-miR-516b-5p	GIPC3, TRIM2, DERL2, SHISA6, GYS1, IRF7, GALNT10, FCER2, ASB12, BGLAP, VGLL2, HIVEP3, KRTAP19-6, C7orf10, SAMD12, TGIF2LY, C9orf117, LYRM9, PRELP, WDFY4, RP11-362K2.2, MTMR11, NOS1, PMF1, SLC38A6, ALX4, TOX3, AC013269.5, SH3BGR, FABP6, PPP5D1, RBM18, PMF1-BGLAP, LRRC10, H6PD, SUMO4, GPR107, RP1-241P17.4, SCP2, OR13G1, NCALD, DAP, XRN1, GIP, CSNK1G1, SUMO2, MYCL, MAP7D1, TPD52L1, PKP2, PATE4, SAPCD1, CSAG1, LIMS3L, IL1RN, TMEM213, TMEM53, EDA, IL6ST, AMZ2, SETDB2, CD84, KCNJ6, UBBP4, PPP1R12B, C1orf68, GPR3, C10orf55, APITD1, CLPP, KRBOX4, C6, ATF3, KIAA1614, SULT1A2, SYNGR4, VPS26A, RNF122, ZNF674, CMA1, AKAP2, CHAF1B, ATCAY, RIC3, BBOX1, ZBED3, CTRC, RWDD2A, NANOGNB, PTS, PARS2, KRT5, SALL1, ZNF584, PALM2-AKAP2, MRPS11, GABRB2, C14orf177, APOLD1, DAZL, GGPS1, MTRF1L, ERP29, TFRC, C10orf99, C7orf57, RNF20, COPS2, NDST1, HTR3D, ZSWIM4, DCTD, FNBP4, MRPS35, C1QTNF9, PHYKPL, AL161915.1, C21orf88, AC104667.3, TNMD, RP11-178C3.1, RP11-404P21.8, TMEM183A, TATDN3, GJA9, IDNK, 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GSTK1, TNFRSF8, KIAA0355, NUP160, QTRTD1, CDYL, ZDHHC15, PDHA1, IRAK4, HDAC4, FBXO32, MANEAL, BRIP1, UBQLN2, TBC1D20, ARHGAP24, FGF11, UBE3A, CNTF, HSDL2, FANCC, GAL3ST4, C11orf74, SCRT2, TIMM17B, ZNF736, SHISA9, MFAP3, FEM1A, KCTD7, DENND1A, PCSK1, HIST1H2BF, RIF1, SLC2A13, TTC9, LSM12, PAG1, ORAI2, SASH1, DPCR1, RERE, PADI1, PARP10, EFNB3, ABCA13, EIF5, DNAJB2, PRRG3, TECPR2, SYVN1, IKZF1, OLFML2A, KIAA1217, UBE2Q1, GRIN2D, ROBO4, RAB44, PTPN11, NASP, FER, TYW3, TSC1D9, ETV7, HCCS, PDCD4, PGM3, DD93, TEAD3, SV2A, DNAJA3, FAM179B, DIP2C, TRAPPC11, LPP, METTL6, RNF185, MMP13, PTK2, SPAG16, AGPAT6, SRPX2, ZNF780B, CDC42SE2, TCHP, ULBP3, SLC25A37, FAM210B, ARHGAP28, KNTC1, RUNX2, CDH3, IPO9, ELMSAN1, POU4F2, CTD-2140B24.4, SPRED3, ZNF587, CNOT2, RUNX1, PIK3AP1, SERPINB5, DKK3, PDE10A, FAT3, MAT1A, TP53I11, LGALS3BP, SH3RF3, GRIK3, GRAMD2, RAB6C, NOVA2, THRB, ANTXR1, ZNF134, TULP4, TTC26, PNPO, DIP2A, SUPT6H, ZNF555, FKRP, SEC14L1, CDHR1, LPHN2, KCNJ10, WNT5A, PIWIL2, ZFP28, PDZD2, LPIN3, 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C10orf67, SYT8, FUT1, ZNF554, PGAP1, PDP2, DYRK3, BMPR1B, TSC1, ARFGEF2, DIO2, FRAS1, FBXL7, NFATC3, RBMS3, IL17RD, CASP2, ING1, PABPC4L, TMEM185B, DNAJB13, GPR162, SLC4A8, DUOXA1, KLHL3, SP4, LPHN1, SALL4, PPP2R1B, DCAF7, ZNF419, TNRC6B, NUCKS1, ZC3H8, ZMYM2, RTBDN, MVB12B, ZNF606, C9orf62, NFIX, RAB43, BTBD9, EXOC8, MAN1A1, HAUS5, RAB3IP, ZKSCAN5, C18orf54, RNF180, CLMP, MICAL3, FAM63B, GON4L, NAV3, MAPK12, UBA2, C5AR2, HNF4A, FAM73A, A2ML1, DDX17, RPUSD2, ARHGEF12, ZNF805, FAM49A, ZC3HAV1L, ACSF3, HSPA12B, KLF15, KIAA1024, VANGL2, GLRA3, LPGAT1, HIST1H2AK, SEPN1, SNAPC5, GXYLT2, SLC16A7, RFTN2, LRRC47, NUDT3, TMEM252, SAP30BP, IKZF2, DNAJC18, PTPLB, CEBPD, ZMYND10, MAT2B, EID1, CBLN2, ANGPTL3, STK32A, CELF1, NFAT5, KLHL14, PRDM9, SCN8A, TRERF1, TRIM33, EVPLL, IPO7, PAK2, DGKI, FAM120C, LRRC2, STOML1, KLF8, ZNF213, ENTPD2, SBK1, KCNS1, FAM83H, CNR2, SNTB2, TBC1D24, RAPGEF3, KIAA1462, KCNK15, UBR1, PTK6, TOR1AIP2, SP140L, DCBLD2, DGKH, TIFA, PRRG4, NXF1, MAP2K3, FBXO25, ATXN3, PAQR5, 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ZNF850, COQ6, ACP1, TRIM32, HIPK2, ICK, MAP3K9, DMBX1, RALGAPB, PCNP, MEMO1, EPM2AIP1, AP3B1, SMC2, PCDHA10, PCDHA5, PCDHA1, PCDHA8, PCDHA6, PCDHA2, PCDHA4, RBM12, PCDHAC1, PCDHA9, PCDHA3, SH3BP2, PCDHA7, PCDHA12, PCDHA13, PCDHA11, PDE3A, LEPROT, UHRF1BP1, IRAK3, PCDHAC2, GBA, SFT2D2, RFWD3, LLPH, GFM1, ZNF614, PMM2, ZNF777, ATXN10, PPA2, NSL1, GRM8, SHROOM2, SLITRK4, XIAP, SMAD4, GUCY1A2, SEPT8, PRSS21, NCOA3, IFITM10, HNRNPA2B1, DDX20, MTERF, PIK3R3, KCNH5, WDR76, TPMT, MRAS, COMMD10, FOXD1, CXorf38, DBF4, GAREM, VPS41, UBE4A, KDM5B, CRISPLD2, ERCC6, NNMT, GPR156, USP32, THRB, SMG1, COPB2, FXR1, ZMYM2, NHLRC2, LEF1, ARID3A, POT1, CAMK1D, WIPF2, IL20RA, GGA2, KIAA1328, ACSL3, ZNF546, VKORC1L1, MARCH5, SRSF10, NSUN3, NDFIP1, NAA38, FGF1, GM2A, PLCB4, UFSP2, AP5B1, HCN1, CNTLN, MGAT4A, MRPL18, GABPB2, MR1, AP5M1, CRTAP, AFF2, SLC38A2, PPM1K, FNIP2, ZNF790, SLC9A7, SOX6, EXOSC6, GGCX, CHURC1-FNTB, RND2, S1PR1, TFAP2B, ACVRL1, CLEC2D, PPAPDC1A, WDR70, IL6R, MFF, KAT6A, DUSP28, FRMD4A, SLC35G1, WDR35, CPSF6, NUCB2, SCIN, DCP2, WDR26, VCAN, MESDC1, ZNF234, SLC16A10, NLGN2, ANTXR2, PLCG1, PLXDC1, USP4, SLC14A1, SPG20, ZZZ3, RAB7A, NXPE3, EPHA6, XPR1, HNRNPA3, ZFP82, TMEM200C, RIOK2, TMBIM6, TXLNG, PCDHB13, TSPAN9, MTMR3, PPIP5K2, POLR3A, TFAM, SLFN5, ARHGAP31, ZC2HC1C, POLM, PRPF40A, ZNF860, TMEM39A, SVIP, SEC14L5, AC135983.2, KIAA1549L, IPCEF1, MTR, KIF1C, ATP8A2, GSE1, WDR77, CAND1, C18orf21, UHMK1, RBM28, RNF152, SMIM15, ABL2, SYAP1, CREB1, MYSM1, PDLIM4, IFRG15, MYLK, MDM2, FGFR1OP, NBPF14, DENND5B, ZNF334, RPGRIP1L, TMEM220, ACTN2, ATP6V1C1, ARHGAP5, ST3GAL1, IPO11, TIPIN, TSR1, SHROOM1, RPL13, TNFRSF10A, ANKRD33B, EMC2, PLAC8, TRAF4, PIP4K2B, SRGAP3, IFRD1, CHRM3, ZBTB7B, FRS2, USP38, SPATA5, OSGIN2, SETD3, SCAMP1, CNIH1, ARHGAP32, STAMBPL1, MRPS14, PEX13, ETV7, YAP1, VEGFC, IFNAR2, SCARB2, UQCRFS1, PHLDA3, SMC6, ZNF845, MINPP1, CUL4B, PCDHB16, PNPO, TTC28, ZNF468, PRIM1, MAP2K6, ZRANB1, ZNF189, LSG1, STRAP, ATP1B2, EMC1, PKNOX1, ARL1, LGALS8, ALG9, DUSP11, FAM120B, NUDCD2, ABCA5, TFDP2, PGM3, LANCL3, FZD1, PGAM1, RUNX1, KIAA1377, IFNLR1, HNRNPU, DOCK5, ZNF417, MYOCD, CHD1, ANKRD32, STXBP5, RBFOX2, GAPVD1, DGKH, C17orf75, PAK3, TTPAL, PITPNC1, ARL5B, PHF14, TRA2B, KIAA1009, SDHAF1, MTO1, DNAL1, TNPO3, PDE7B, MINA, TIMM9, KIF6, PDPR, TRDMT1, ERCC8, SLC7A11, INCENP, CORO2A, ZMIZ2, USP15, TTF2, LGI2, LSAMP, WDR12, PLCG2, TPT1, SOS1, OCIAD1, NEO1, HECW2, ADAM22, CNKSR3, ARSE, ETV6, TIAM1, TMEM106B, GTPBP10, SETD9, TRMT5, CLPB, SAR1A, PRPSAP1, REPS2, CCDC149, RBMS2, EIF5, HEBP2, C7orf41, ATF6, CTH, ARSB, TROVE2, RBM18, FEM1C, HDLBP, CSTB, ADAMTS4, HEPH, RNF8, BOC, FKBP7, TSFM, AMACR, YWHAZ, CDX2, MED20, KIAA1524, CD59, BRWD3, GEMIN6, FUT10, ABCG8, C9orf64, ESYT2, INTS8, ZXDA, IBA57, SNX2, PDS5A, TEP1, ENTPD1, NRP1, BUB1,

	WDR36, STIM2, CEP72, YWHAB, NUP107, RAB3C, IPO9, MED17, ATP5S, CLIC4, LIMS1, ARID1B, SETMAR, SLC38A9, KMT2E, AGPS, GPBP1, HERPUD2, RIC8B, NGFRAP1, ANP32B, TRMT10B, APBB2, HNRNPK, RNF20, ZWINT, CTNS, RNF181, METTL10, VPS33A, REPS1, SERPINA4, TRIM45, PSMD11, WAC, RAPH1, NDUFS1, CREBBP, PTCHD1, PDIA3, ZBTB14, TMEM135, WDHD1, C9orf69, CSTF2T, MAPK8, TRIM13, TMED4, DDR2, TXNL1, SLC8A1, SOD2, SPATS2L, SYT7, SEC14L2, SIK2, OCIAD2, CHSY3, NUDT9, SUSD1, ERBB2, ERG, ATG7, TBL2, TMEM223, ZSCAN2, PLEKHG3, POP5, WDR91, TSPAN6, RWDD2B, GAS7, CDC6, HSD17B12, YBX1, SLC44A1, CCDC71L, FOXL1, C12orf29, BNC2, RAD18, CCNDBP1, ELP4, IAH1, ZNF519, MFSD9, KIAA1551, CADM1, PAGR1, FAM49B, PTCD3, MRPL17, SMNDC1, ACOX1, SMDT1, HUNK, RBM4B, CERS4, SCOC, PCSK9, TAP2, TRIM24, DOCK11, MPP6, TOR1A, ACOT13, SESN3, ADI1, FAM104B, ENTPD7, IWS1, SGIP1, PRPF38B, HIF1AN, HOXD12, PSMF1, FOCAD, MICA, CHSY1, RRAGD, ELAVL1, C3orf38, HPS1, SEMA6A, CHST12, SCO1, SARM1, LARS2, OAZ2, ACAD11, MYL12B, HMGB3, ABRACL, TRAPPC4, AGTPBP1, CDR1as, MTMR6, CA5B, CDKN3, TMEM214, HOXA13, SCN9A, VAPA, TIGD2, PDZD8, ZNF211, IGSF3, IMMT, APP, TRMU, PPIC, TM2D2, POU6F1, ARID2, PXMP4, CAST, ZADH2, DSC3, AEBP2, UBE2E2, NDUFA9, BMP2, RPP30, MCTS1, ALG14, LPHN3, LSM6, SLC19A2, PRKD2, ERLIN2, PCDH9, MED9, ARHGAP20, KARS, RBM15B, POLR1E, PPFIBP2, NT5C2, UBE2K, ATP2B2, MRPL44, CSNK2A1, CDK12, SH3GLB2, SRPK2, CEP120, PHKG2, PILRA, ARHGAP29, GEMIN4, EBNA1BP2, GATA6, DHTKD1, SH3GLB1, ABT1, PEX2, NDUFA10, TRIM27, HDAC2, NUPL2, PPIL4, TXNRD1, IGSF10, MKKS, ABCF1, GTDC1, LUM, RBM12B, DENR, C15orf61, RPS12, ZNF283, COMMD9, HNRNPA0, CENPW, IARS2, TRMT10C, TPD52L1, RNF19B, COA4, TIFA, CCDC127, KCMF1, ST5, CDC7, CAPRIN1, QDPR, DCUN1D5, IP6K1, FARSB, MRPS23, PANK2, GSG1, CCDC6, ADAM9, CRP, ORC6, C9orf114, COX15, KLHL36, SERINC1, BTN3A1, TSR2, KIAA0391, CPE, EFHC2, YTHDC1, TM9SF2, BCL2L15, RCN2, TMEM194B, CNNM2, GPR22, TSPAN14, BSND, LILRA2, GNRHR, UGT2B10, ARHGEF5, CYB5B, NOX1, AKR1C4, BTN3A2, CCT5, GIMAP6, GPRC5A, C18orf42, ANKRD17, RRAGC, GTF2B, EXT2, ATOH1, CD36, BOD1, FAM19A1, GTF2H5, C3, GABRP, C9orf156, HSPB3, RAB32, CFHR2, ARGFX, PRMT6, SEMA4G, CDH19, CLCC1, BRIX1, PTCHD3, ACOT2, GPR125, LETMD1, TTPA, HEXB, FMO3, PIK3CG, TTR, C7, NCKAP1, DLD, WISP1, B3GNT6, ABCB11, CEP128, COLEC10, DSN1, COX16, CDH18, CHRFAM7A, CD3D, QSOX1, CCS, RAB42, IL9R, TLR8, FIGNL1, GOLGA6A, USP9X, SLC35E2, URB1, SH3TC2, ZNF626, ATG2A, MALSU1, HLA-DOB, ZBTB20, DCC, RAD51, BAG1, LILRA1, VMP1, WTIP, KDM3A, GOLGA6B, CANX, MAT1A, SOBP, KCNK10, GPR137C, RAB5B, HSPA14, WDR73, ZNF322, GATSL2, NLN, POTED, AKAP6, PKHD1L1, PRPS1, MYBPC1, AKR1C2, CPS1, PYROXD1, NUP88, FKBP15, LMCD1, CCRN4L, ANGPTL3, TBC1D10B, MRPL15, C8A, AKAP1, CLTC, BTD, TBC1D14, NKD1, ZNF8, YAE1D1, ZNF461, NUP93, ABCA9, BTLA, UBE2B, RSPO3, NBPF24, TBX15, RPS24, DUSP3, HSD11B1, PCNXL2, CYTIP, AP5Z1, FAM213A, TMEM106C, PCDHB15, TNFSF14, ZNF140, RYK, HNRNPUL1, UCHL3, IFIT1, MCF2L2, PELI3, ZNF426, RPS6KL1, FKBP5, IL1RAPL1, VCAM1, PCDH17, ACSM2A, FOSL2, FAM208A, PDCL, CALR, DCAF12L2, HCFC2, TCTN1, FREM2, ANKFY1, ADCYAP1R1, SF1, CNGB1, GOLM1, ENPP5, PCDHB2, PKIA, GDAP1L1, CYP2C8, ELK1, BAZ2B, NETO1, ITGB1BP1, RP11-73M18.2, LRRC34, CACNA1C, VWA1, CD180, UBE2D3, IFLTD1, MAG, SOCS5, LRRC40, SHC3, COPS8, TNFAIP8L3, GRIN2A, CIRH1A, USPL1, RPS19, SURF6, ACSM2B
hsa-miR-99a-5p	EPDR1, AP1AR, ST6GALNAC4, TTC39A, HS3ST2, BAZ2A, KBTBD8, FKBP5, HES7, HS3ST3B1, FGFR3, CTDSPL, RAVER2, SMARCA5, LRRC8B, HOXA1, GMPS, MTOR, NR6A1, FZD8, NTRK3, TMEM30A, RASGRP3, CLDN11, TRIB2, TRIB1, PPP3CA, ZBTB7A, GRHL1, TMEM135, ST5, PPP1CB, NIPBL, MTMR3, PI15, DESI2, INSM1, CEP85, MBNL1, SMARCD1, NXF1, SLC44A1, ETV3, KDM6B, RRAGD, ZZEF1, TRIM71, CYP26B1, CDYL2, IGF1R, TAOK1, THAP2, SATB1, BMPR2, ZNRF2, ICMT, AGO2, RMND5A, FZD5

Tarbase

hsa-let-7e-3p	CSN1(hsa) , CSN6(hsa) , CSN8(hsa) , MYCBP2 , RIF1 , SLC23A2 , SPG11 , ANXA11 , FGFRL1 , LBR , ZNF92 , LPL , ZNF107 , C5orf42 , PLEKHA1 , SUMO2 , GTF3C4 , AGPAT5 , GPS1 , COPS8 , COPS6 , HOOK3 , PHF23 , MSANTD3
hsa-miR-122-5p	MDM4, CELSR3, IFNA1, SCRN3, ZNF321P, AKIP1, TOP2A, AKIRIN1, FRG1B, ZNF431, PLEKHM3, LTBP1, PTPLAD2, FOXP1, HNRNPD, PHOX2A, NETO1, IFIT1, ZNF700, ASH1L, CSTF2T, ABLIM1, MT-ND2, LRCH3, TMF1, PHF20, SOS2, TMEM2, TOR3A, MKLN1, AC074093.1.1, SUV420H2, WASF1, SLC52A2, WSB1, ATP1A2, APBB2, ITPRIPL2, NUP85, ZNF281, CHKB, DUSP18, DNAJB1, CCAR1, SMG1, ZBTB4, NEK1, CPNE5, ITGB8, SNRNP200, SYAP1, DYNC1H1, OLR1, NKPD1, GNL3L, FANCM, PSPH, TRAPPC13, EPHA3, SPAG9, TAB3, GPANK1, C19orf12, DUSP2, CSRP1, PRSS1, EID2B, PHTF2, TCP11, LRRC37A2, AKAP11, COX16, KLHDC4, YIPF2, TBC1D10B, TOMM70A, CA12, ATXN7L1, BRD8, RBBP5, PRDXII(hsa), SLC44A1, CMTM7, NSUN4, DIS3L2, ZNF532, PSMB5, AACS, USP33, ZDHHC11, ANAPC5, C4orf33, SPTLC3, MIER2, CLNS1A, UBAP2, TSR1, FOXK2, U2AF1, CDK13, RIBC1, PCBP2, HOXB3, CASP7, AHSA2, EME1, ACTB, DCAF8, FAM217B, CALR, C3orf62, TMEM136, CPNE4, CAPNS1, DDX59, EPHB4, LUZP1, UNC13A, RBL1, ORC6, ATP13A3, ID4, RNF216, PDCD6, KIAA1731, RIMKLB, CLEC11A, TRAPPC4, WDR47, PCNXL2, IER3, CTPS1, CDK10, SLC26A11, DMBT1, IRAK2, NOP56, AHI1, LAMB1, ABCC3, ANKRD20A1, PRKAR1A, FNDC3B, USP10, ANPEP, UNC45A, LAMP1, SEC23B, HIST1H3D, IST1, RIOK3, CROT, F2, POFUT1, PTPN12, FANCA, EID3, IDS, YBEY, PEX3, GTF2F1, LATS2, DHX57, VHL, KIAA1551, RAB3GAP2, GYS1, SCN4B, DYNC1LI2, STRIP2, FAM102A, CHST12, RHBDD1, VGLL4, GPR87, PILRB, TMC5, FAM161A, RNF170, FUT8, NA, G6PC3, RBM23, CCDC144A, PRDM15, NMNAT1, REV3L, RBM43, RHBDD3, GCNT7, C9orf16, EP400, NELL1, NT5DC3, BOD1L1, UBQLN4, DENND2C, CNTRL, KRT7, CNN3, RAI14, CEP89, TJP2, PTPMT1, NUAK1, NPEPPS, SZRD1, NFKBIZ, GTF2H2, TMEM154, TDG, NDRG3, SKI, RC3H2, USP28, MIDN, KDSR, HDLBP, SERAC1, NBPF10, NUMBL, DCAF7, EIF3M, MARCKS, SLCO3A1, MED18, CDK3, NALCN, ADAM17, C1orf122, ENOSF1, PYGO1, CTSB, PPP1R9B, ANK2, EFHC1, CDC42BPA, ZNF213, KRT18, STK4, KIAA1549, NCAM1, MAP7D2, MIER3, SNRPA, XKR6, NECAP1, PHLDA3, ZNF292, PLSCR4, MACF1, MFHAS1, SNX22, FAM118A, SOX4, PSMD7, FLNB, RLIM, TMEM201, FBXO7, SF3A1, ABHD11, SLC1A5, STARD13, C18orf54, AREG, CLMP, TGDS, LRP11, SMAD2, ZNF708, SPTBN1, QTRTD1, TSC1, IL7R, TCF25, ANXA7, ZC3H6, SNN, SEMA4C, RICTOR, FAM133A, H1F0, TPGS2, SUMO1, OPHN1, AKAP10, AP3M2, ANG, PAXBP1, FAM3C, ABL2, CENPI, WSB2, IRF2BP2, CNNM2, SLC22A15, DDX50, PSME4, DHODH, ENTPD4, ILF3, RAPGEF2, STXBP4, PCDH9, ZBTB41, SPDYE1, IFIT2, PCDH7, VAPB, ALG14, PIP4K2A, IL2RA, SPG7, GON4L, FOXP2, TMEM216, SMAD1, RPL14, CDK4, SLC16A10, SLC2A3, PLCXD1, TMEM180, SMC5, HAUS2, IRAK3, SPIB, KDELR1, TRIO, PXDN, DDX46, EHF, CDKAL1, DNASE1, ZNF500, RAPH1, PKNOX1, SRF, FBXL17, SFXN4, NFE2L1, ITGB1, IL26, ARGLU1, SMARCA4, KIF1B, ALDOA, PKM, SPINK5, ZNF692, TNKS2, CNOT7, TMEFF2, RPL37, PARVA, RERE, SEH1L, OASL, SRGAP2, PLD1, TRMT2B, BAG2, EGLN3, BAMBI, KIF23, IGF2BP3, GDE1, GART, STXBP5, CCNL2, NUPL1, AURKB, ZNF133, ENPP5, MMAA, TGS1, UCK1, CD83, IFI16, DRAM2, TBX3, FBXO21, PRKD3, SRD5A3, OFD1, XRCC2, SCARA3, TRAF4, NISCH, STK39, MT-ND4L, NPAS3, TMEM241, PRDM5, WNK1, RNF34, TRAK1, FAM110C, BCL2L1, ATMIN, RBM22, JAG2, MTMR7, CDK19, ATP7A, MLLT6, FOXJ3, FIG4, PGF, TANC2, HS3ST1, USP34, CIRH1A, ADAMTS6, SCD5, ANKRD9, SNW1, JMJD1C, TOB2, RPL35A, HSPA4L, MAGT1, LIMCH1, GSTM2, CCR6, ZNF583, MVB12B, SENP7, TAF1D, DMD, DIP2C, PNP, NRD1, GRP78(hsa), RUSC1-AS1, MTMR9, BAG4, AVIL, IL4R, UBE2K, RFXAP, YTHDC1, PPP6C, ENSA, ZC3H11A, TGFBR1, C5orf24, CBY1, TRPC3, SLC2A14, CFDP1, RNF19B, RAB11FIP3, HIC2, RNF150, SLC11A2, E2F1, GBX2, MTHFSD, BCAT2, GPATCH2, ZNF333, PURB, ASTN2, RNF182, ZNF841, DCTN5, DDX10, SLC16A7, FKBP5, CEP164, GPHB5, MTM1, NCAPD2, PCLO, LMO4, RUNX1, PHF14, ZNFX1, TCTN1, RPL23, NKAP, PALLD, LUC7L3, SEC61B, TUBA3C, CCDC90B, EYA4, SMARCC2, SYNPO2L, BATF2, ZNF618, RBM15, RABGEF1, TMEM43, SH3GLB2, TFPI, IPO7, NFIC, GDF15, SPIRE2, FSTL3, ANKRD10, ZFHX3, CYP7A1, DTWD1, MED6, MAP2, IGF1R, RP11-169K16.9.1, KATNAL1, ZNF274, NDUFS8, LMBR1L, NARS, CYP1B1, ZNF264, DENND1A, MAP1B, PDPK1, OSBPL10, THRA, C9orf69, RORB, SYCP3, TBC1D22B, PPP1R3A, SLC20A1, SAR1A, QKI, FLVCR1, ESCO2, TMEM63A, PIGO, MTO1, KRT17, EIF4A2, ZNF131, PPHLN1, CAPRIN1, ADAM33, TBL1XR1, ZNF233, PTP4A2, FZD4, ASAH1, DDIT3, Bcl-xL(hsa), CTBP1, MYCBP, MEAF6, PRMT3, SF3B2, RUNDC1, ZNF10, MECP2, PSMD10, RIF1, TRMT10B, ZYG11B, RORA, PPEF1, Bcl-w(hsa), MPV17, FUBP1, FGF18, PHF10, ARHGAP21, ZMYM2, IAH1, GOPC, ARL2, CENPF, PTCD3, SPSB1, DCLRE1C, TP53RK, FAM117B, ARG2, EPG5, PEA15, NSUN6, NASP, SLC35E1, OBFC1, ST6GAL1, ARHGAP9, LMNB1, INTS4, PRR11, EML2, KMT2A, ORC2, TPP1, LAMA2, RBM25, SCMH1, KLF3, SMURF2, LYRM4, CFLAR, TRA2A, CYP20A1, AKAP8L, LAMC1, SRGAP1, ARIH2OS, PROSER1, ZHX3, FLRT3, LSM14B, CHST15, WDR41, NCDN, PLCB4, FOLR1, CEP350, GALNT10, CTDNEP1,

	FUS, E2F2, SPTLC1, NBR1, FLG2, MTOR, CLSPN, INTS10, LPP, ARMC8, FAM221A, LRRC3C, AZI2, KBTBD7, EIF4A1, DIAPH1, ZEB2, SEMA3C, P4HA1, MFSD1, KDM2A, ARHGEF4, SEMA4D, SFXN3, ACVR1C, BPGM, CELF1, USP15, PIK3C2A, BAX, RAB6B, NOTCH2NL, OSBP2, ZNF430, MMRN2, GNAQ, ARHGEF5, CSAD, NOM1, MLXIP, DZIP1L, ATG9A, SLC22A25, PAPLN, CHTF18, TOR1AIP1, FMN1, CXCL9, KIAA2026, NET1, RHOU, ZNF124, ATP8B1, MAPKAPK3, TNFSF15, CHRDL2, MAZ, LCA5, PRKAA1, TCF12, PDE7A, SERPINB6, ENTPD1, ASPM, ARL14, NFAT5, SORT1, REL, RBMS3, RPLP2, ALG1, BBX, SPG21, SLC25A19, TRMT61B, NKIRAS1, RPL39, BCL2L2, HOXC13, FRYL, ANKS1A, GNAS, TAS2R5, G6PD, KLHL29, PKN2, GNAZ, ANGEL2, ABR, UACA, EEF1A1, CYCS, SATB2, TNRC6A, TGFBRAP1, CWC25, ANKRD13C, SP7, SIK2, XXYLT1, LMNB2, USP1, MNT, TMA7, RABL6, CLIC4, PLA2G5, UBXN2A, ZNF518A, DOCK9, SGOL1, KIAA1217, IQCA1, SAP30L, YPEL5, CBX3, SBNO1, SLC9A1, G3BP1, COPA, ZNF658, YKT6, SLC6A14, PABPC3, HCCS, NELL2, OTUB2, IL6, CCS, TMEM106C, CDY2B, TP73, TANGO2, KRT10, PTGR2, MYO5C, ZNF573, KIF11, PPDPF, TEAD1, ATXN1, TGFB1, PSMB7, SGSH, PRTFDC1, DAND5, KIAA1109, PRDX2, ARHGAP1, SLC19A2, LRRC14, ZFAND6, ZFYVE16, MYBL2, MTDH, KIF1C, TP53, HUWE1, BNC2, ID2, GNPDA2, XIAP, SUZ12, MT-CO1, TIPARP, SLC26A6, SLC38A9, GJA1, SP140L, NAPEPLD, GPALPP1, CCDC142, CAMSAP1, ST6GALNAC4, TMX3, TMEM40, MT-CYB, TMTC3, PLEKHA6, RNF115, NEMF, C17orf85, ZCCHC8, DST, SPRY2, AMZ2, HNRNPDL, ZNF567, UGP2, ESCO1, GLG1, SLC26A7, RBM26, ART3, TRIM29, TTC17, THRAP3, PAK1, SETD5, JAKMIP2, CS, CHST3, SLC35G1, GEN1, TTC14, SSTR2, RAP2C, RAD18, DFNB59, ABCC10, KAT7, HPS4, MRPS31, ASB7, SOAT1, ROMO1, RAC1, MT4, TNPO1, POLH, PIGY, PGM2L1, LRP3, TC2N, HLA-DQA1, TMEM74, TTI1, VMA21, MT-ND5, WBP1L, PHKA1, JARID2, RPP14, MUC6, CCDC84, ZCCHC6, NFE2L3, NEAT1, MBNL2, PON2, ASXL2, NMNAT2, NT5C3A, RBM27, SRSF6, TRAPPC10, MAP4K4, NFATC2IP, DBT, CUL3, MED13L, CLK4, MYLK, TIAL1, Cux1, GABRE, HLA-E, EXT1, IFFO1, TLL1, SLC25A36, DENND4C, RSRP1, ZC3H7B, TPR, TTC3, CCDC43, LRPPRC, WBSCR27, GSPT1, SEC22B, COA1, WWC1, ADO, VPS13B, PRSS58, ISL1, RAPGEF3, CBL, CEP162, NAA15, ZER1, SYNE2, U2SURP, SOGA1, NIPBL, CXCR4, PRKAG2, TMEM144, MSLN, SUCLA2, PPRC1, APOPT1, NUP210, C3, SLC2A7, PTGS1, HNRNPM, KNOP1, IKZF4, MFGE8, GFOD1, EML5, MARS, LTN1, SFT2D1, DCUN1D1, SLC31A1, LMO7, CEACAM8, PIGG, ANAPC16, AIPL1, GTF3C2, OR10G9, ACTR5, ZNF22, CPEB3, C19orf40, DCAF6, USP42, GTF2A2, PI4KB, VPS13D, CDRT4, NDE1, VWA8, SCAF4, COQ9, ANGPTL4, ARSB, SLC25A40, RELL1, MSH6, ZNF786, HIST2H2BE, TRIM4, CEP55, TMEM87A, SUGP2, MKNK1, ZCCHC2, DNPEP, BRI3BP, AKT1, PWWP2B, AKT3, PACS2, DNAJB13, PREPL, BTF3, ATM, E2F3, SCFD1, NAV1, FZD1, PTPN11, SLC5A3, MYO1D, RBBP4, METTL7A, ZNF713, C9orf84, PKIA, SIRT4, A2M, GTSE1, ZNF74, ZCCHC7, SMCHD1, RMND1, FOXQ1, EIF3I, ATP6V0E1, ANKHD1, STK24, PPP3R1, HIRA, ODF2L, STAU2, AP1S1, CALD1, CD44, LONRF1, VEZT, URI1, ZNF254, ERLIN2, KLF13, CDC42EP3, ARL15, C15orf40, GSTM3, STX6, RPL5, ZNF85, RABL3, STAT2, SFXN1, ST3GAL1, REV1, PHF1, SPEN, VANGL1, RANBP2, EXOSC6, TGIF1, SURF1, PMP22, TAF5L, AFF4, FAM19A4, SLC35D2, MORF4L2, BIVM, ERC1, RNF157, SLC7A11, KIAA1147, ZNF277, ACACA, GOLGA8A, HSF5, NUP62CL, CTDSPL, FGD5, CASP4, C12orf66, VTI1A, ACP6, LNPEP, FAM71F2, INO80, TSHZ2, HOXC9, CAMK2N1, IFI44, ALCAM, FDFT1, GAS2L3, NCEH1, ZNF638, UHRF1BP1L, PTPN13, TMEM256, GIGYF2, TAF15, HM13, SYTL4, ERAP1, DCN, PARP11, SSR3, CCDC22, XPO6, HIATL1, STRBP, LPCAT4, CDC25A, MANEA, MRPL52, TTLL3, TENC1, MCM8, DPY19L4, NFX1, LIMS1, MED31, GIT1, USP4, HRK, ZNF160, CPA3, CBFB, EFCAB6, C11orf31, FAM19A3, SLC7A5, TOX3, JPH2, p-IRE1α(hsa), POLR2J, PTPRO, ISG20, UBALD2, PTPDC1, KCMF1, NDUFAF7, TPD52L2, SEPT2, FAM98A, GGA1, WDR74, CALU, PNRC1, ALDH8A1, NCOR2, COBLL1, ZNF619, FAM115A, ARHGEF12, EMC1, OSCAR, RPS6KA5, IPPK, SNX10, CNDP1, CPEB4, LRFN1, SRSF4, CDA, KDELC2, NLGN3, SLC25A27, HEATR6, SCNN1A, ARHGEF10, ZNF675, CD24, NEK4, YME1L1, ZNF451, NBPF12, MEF2D, RPS15A, OGT, NCOA1, NUP54, TMEM164, ANO8, THAP6, SIKE1, POMGNT2, TBC1D22A, ZNF207, CHOP(hsa), CRYZL1, IFI27, RASEF, TMEM38B, PSD3, UBE2L3, ARL2BP, ELMO2, FKBP11, GLOD4, EGFR, RPL38, ADAMTSL4, CCDC150, HMOX1, NAA50, RHBDF2, CANX, EWSR1, VPS8, SMC3, HHAT, OSBPL8, ANKRD28, RAB18, WDR61, FZD3, RSBN1, MED26, PFKFB2, QSER1, PRKRA, RAF1, MTPN, CDK5R1, CRIPAK, MAPK1, TMEM45B, MKNK2, PRR23A, LRP5, L1CAM, APMAP, C7orf63, TIGD6, DSG2, SPRED1, IBA57, PTPN1, SCAF11, SAT1, IQGAP3, KRBA2, CNOT3, PXK, MT-ATP6, RBM47, ADAM10, CBR4, CBFA2T2, USP32, UBE2I, C2orf43, TTBK2, GRIA2, BRPF1, MAN2B1, FAF1, SS18L1, DGKE, SQSTM1, DOCK5, ANKRA2, BRD2, WDR4, CCDC14, CLK1, WDR82, TAX1BP3, SOCS1, HECW2, HIPK2, BMS1, IFT27, PARP3, FANCC, GRAMD3, RP11-20I23.8, ABCA5, AXL, SCUBE3, FHL2, SYVN1, MYC, GPR161, FBXO45, EXOC3, CDV3, SLC25A33, ZKSCAN1, VMP1, ARL17B, GPATCH2L, BCL2L15, RFC2, ATRX, TMCC3, AGRN, ME2, FAM13A, CADM2, SECISBP2, KCTD14, PDP2, PXMP4, NR2C1, MTHFD2, TMEM56, CTTN, KCNN3, SOX6, CDKN1B, THAP2, HECTD3, LIN52, ATP5C1, TRIM44, BCL7A, NLN, COL1A1, CAPN1, CMIP, TBC1D20, OSTM1, PRKDC, CXorf21, RAB26, NSD1, TERF2, CISD3, PNISR, KIAA1683, NAB2, MRPL17, ATPIF1, DCLK1, LNX1, KIAA0101, POU2F1, GTF2B, BICD1, VAMP4, UBR4, SRRM2, MPZL1, RLN1, GPR98, ZAK, CYP1A2, ZNF28, GK5, ERICH1, ALMS1, EIF3B, HSP90B1, KLK13, KIAA0232, IDH1, ETV6, IGF-1R(hsa), ZNF395, GLMN, OTOS, MYB, PPP1CC, HERC4, POMT2, XPO5, RNPC3, KANSL1, HSDL1, PRRC2C, MYOF, SRSF1, IRF9, HEBP2, SLC25A37, TIMM8A, DNAJC18, SH3RF1, IPP, F2RL1, FGFR1OP2, IQGAP1, PRSS16, MAPRE1, VIT, ABHD2, ZBTB40, SET, HNRNPA1, B3GAT2, ZNF485, DIO3, ZNF805, TNRC6B, DDAH1, GSE1, KTN1, RALGPS2, CES2, SLC25A30, PGAP1, AKAP13, POLR1B, ERP29, TNFSF14, PATZ1, MPHOSPH9, LAMA5, CCDC91, MUC3A, CACYBP, OCIAD1, NDUFA5, TMEM44, MAFK, POMZP3, SFI1, MT-CO3, DLG1, DHX58, ARID2, PPP1R3E, JUND, SNHG5, ATF6, KMT2C, RREB1, IL1R1, FAM9B, SLC25A46, ATXN2L, QPRT, NF1, E2F4, ZNF611, ZSCAN29, RDH11, SLC35E4, ZNF304, ZBTB7A, MRPS25, SCGB3A2, CBX5, B4GALT1, YWHAB, ZFP14, YLPM1, RNF165, CHD4, ZNF224, USP12, OXTR, ATP5F1, TRIM65, ERCC1, HNRNPL, ANXA11, GLRB, GMEB1, DNAJC22, BMPR1B, AVL9, FUNDC2, ABCF1, PHYKPL, ERO1L, BROX, SMEK1, MMD, DMXL1, MST1R, C16orf45, BRWD3, SPIN2A, XRCC5, DALRD3, ZNF165, KIAA1919, MYH11, BEND7, ST3GAL3, MZT2B, EXPH5, FBXL3, GGA3, PIK3C3, MT-ND3, PHF11, USP47, TNPO2, GLDN, ZNF816, DDX17, SNHG12, CUL4A, PLXNA1, SIGLEC12, ENTHD1, MBD3, MRPL38, ZNF30, IYD, CINP, TM9SF4, SLC35E3, MID1, ST6GALNAC1, CRELD1, CENPM, MED29, DLGAP4, FLT1, CCNYL1, SLC10A3, FNBP1, BCL2A1, PFDN1, POLR3A, PAPPA, KIAA1143, SRSF8, CCDC68, MDH1, SMIM14, COL8A1, C3orf56, TMED5, ITPRIP, FBXW12, IMMT, FAM160A1, MIB2, XPR1, KLHL42, LCORL, CREB1, RAD21, TMTC4, YIPF3, DHX9, TAF9B, C1RL, MCM4, CHD7, SETD6, CEP152, MICAL3, GPR155, PRMT2, TNNC2, ERBB2IP, GTPBP8, ZNF346, TFDP2, NOV, LPPR4, CCNT2, DYX1C1, SHCBP1, PIK3CD, CPS1, CWF19L1, TBX19, DHX36, VWDE, ANKRD13D, PLXDC2, PELP1, ATF7IP, RALGAPA2, PPIC, PLXNA2, DOT1L, NLRC5, ZNF70, RRP36, LIMK1, HO-1(hsa), TRPS1, CFHR2, MIS18BP1, KERA, MGEA5, HDDC2, PPA2, PELI1, TMC6, DCP2, PAPD4, MED7, RP11-435D7.3, MPLKIP, GNG13, OCRL, MOSPD1, PGBD4, YIPF4, CCNG1, CARD9, SLC35E2B, NUDT10, GKN1, DNAJC7, PIEZO1, POLR2M, GAD1, AGAP4, RUFY2, ZNF580, COPS7B, DENND1B, RAB11FIP1, RNF145, C11orf57, MINK1, IFIT3, GLUL, PHPT1, B3GALT6, B2M, SRSF7, LYRM7, NAGK, C3orf22, NIP7, ASXL1, SLC15A2, PLEKHB2, SLC16A3, ARF1, SOBP, OGFRL1, TAF1C, FXR1, TTC27, ZBTB47, PSCA, GPR135, ST14, PHOSPHO2, EIF3A, THOC2, N4BP2L2, SLC7A1, EFTUD2, HNRNPC, MCAM, FARSB, PLEKHS1, PLK1S1, MTAP, MTMR3, URGCP, VAV3, USP53, C10orf107, FBN2, TSC22D2, B4GALT6, JAK2, ACKR3, ADCY2, GRB10, MYLIP, CATSPER2, BIRC5, ZNF827, BUB3, BRCA2, TMEM185A, ABCB1, KIAA0247, ZNF354B, PLAGL2, C14orf39, COL27A1, CCNE1, COL7A1, OBSCN, ARL17A, MRC2, COL5A1, CEP95, SLC16A5, RBBP6, PIGS, MYO19, C19orf54, ATP2B1, MKRN2, OPTN, C9orf174, PBRM1, KCNRG, p-eIF2α(hsa), BRWD1, MOB3B, LZTS2, RAI1, TEFM, ZNF32, PABPC1L, ZNF107
hsa-miR-122b-3p	———
hsa-miR-127-3p	ACTR3B, ACTR3C, ADI1, AFF4, AHNAK, AKAP17A, ANXA6, ATP1A2, ATP5EP2, BACE1, BCL6, BOLA1, C10orf32, CDK5RAP2, CNOT7, COG1, CSRP1, DAGLA, DHX30, EIF4G2, FEM1B, FKBP4, FLNA, FOXP1, FUT9, GALNT8, GRSF1, HECTD1, HEXIM1, HNRNPK, HTATSF1, ITGA3, ITGA6, KIF3B, KLF9, LAMTOR1, LGALS8, LMCD1, LMO7, MAP1B, MAP2K4, MAPK4, MGEA5, MMP13, MYCBP2, NBEA, NR1D2, NRXN1, NUDT16, PABPC1, PCDH9, PKM, PPP1R13B, PRDM1, PRPF38A, RAB14, RABEP1, RGMA, RPP25, SARS, SCN8A, SEC23IP, SEC24C, SEC31A, SEPT7, SERP1, SERPINB9, SETD8, SETX, SF3A3, SFRP1, SGSM2, SKI, SLC20A2, SLC29A1, SLTM, TAOK3, TBCE, TGM2, THBS1, TMF1, TPP1, TRIM23, TUBB, USP35, VCPIP1, WNT2B, XBP1, ZWINT

hsa-miR-151a-5p	NR4A1, LPHN2, RIC8A, ACTB, C18orf21, RHOB, MAP3K9, SCG2, TNRC6B, MYC, TOM1L1, NXF1, BAG3, TAX1BP1, DUT, CRMP1, IFITM2, FAM160B1, SCAF4, FAM102A, MEPCE, CDK10, BZW2, CCNT1, NIPA1, PDZD8, EFNB2, GDI1, RNASEK, WDR41, RSL1D1, PHB2, MSI2, BNIP1, COPS6, ARHGDIA, RPS29, TAPBP, IL1RAPL1, XPR1, E2F6, NOL6, STX3, EPDR1, HNRNPR, SEC23IP, VAC14, RFX2, CBLB, CANX, KDELR1, CEP72, USP10, ACTN3, ARID1A, FKBP1A, MPI, TM9SF1, ZNF721, MAPK1, FAM199X, TEAD1, PELI2, KRT80, WDFY3, UFC1, PAPSS2, MT-ND4, EEF2, FOXA1, CDC6, EIF4G1, FAM71F2, CDK6, BRD2, ZNF512, YME1L1, CYB5R3, FAM73A, DIMT1, BRD4, GRB2, FAM192A, NUFIP2, SNX2, RNF44, KIAA1107, CAPN15, COPZ1, TMEM50B, PLEC, SKP1, PIAS4, RRM1, GPS1, DMPK, IRS2, HOXA3, SLC7A5, BCOR, APH1A, WWC3, ADIPOR1, BMP2, BLMH, HUWE1, TEX261, ADIPOR2, YOD1, ARFGEF2, GNG5, CCT5, USP7, POLK, CTNNB1, SLC35A5, FAM171B, GNAQ, ZNF592, RIPK2, ATP6V1C1, CSDE1, SETD1A, FEM1C, PEG10, MARCKS, ACKR3, C6ORF174, PTEN, SLC39A9, SOCS4, PRKACA, MAD2L1BP, ERGIC1, PPP1R3B, ATP5A1, TMPPE, ZNF207, NXN, ERGIC2, ZC3H3, RHEB, ZC3H13, MAST4, ZDHHC21, CDC5L, SERTAD2, SMCHD1, ARL6IP4, RAB40C, SMYD1, CXCL2, RACGAP1, PES1, CASZ1, ZNF296, NONO, RP4-695O20__B.10, MGAT4B, TRIP12, ATP5B, SENP5, ZC3H11A, HSPB1, SPIRE1, DYRK1A, RPL26, DDB1, LAPTM5, MPL, INSR, COL5A1, SOX4, RHOH, SLC1A5, RAB7A, ADSS, WDR47, DUSP4, R3HDM4, BRD3, SOX17, NAT1, FBL, TAB2, DAZAP2, PRR14L, LONRF2, EIF4G2, SNX11, RNASEK-C17orf49, VWF, HIVEP2, LGALS3BP, POT1, RANBP9, ZNF74, SPINT2, ZNF620, TCEB3, NFKBIZ, KLHL21, HSPA8, IPO4, IFITM3, ZNF292, IQGAP1, MT-ND2, SRM, SMC1A, ZFAND3, RAB11A, AIG1, TXNIP, NOP10, ARHGAP32, HSP90AB1, BICD2, ZBTB42, N4BP1, PLP2, RBM8A, FSTL3, FN1, GABARAPL1, UBE2Z, UBL3, OLFM1, SIK1, DNAJB14, CCT6B, BCL7A, SLAIN2, LBH, MAP4, FAM210A, TSR1, C20orf24, OTUB1, H2AFX, DUSP1, FAT3, BTG1, AGPAT3, SGK1, ZFP91, CAMTA2, G3BP1, DPP9, GPN1, NFAT5, COLEC12, ZNF503, DDX20, FBXW2, UBE2M, PRRC2C, STARD7, ZNF57, MIER2, MED1, MANSC1, GPR137, STAT1, MIA3, SNRNP200, CD302, SREBF2, NCKIPSD, SLC15A4, TMEM30B, HDHD2, S1PR1, EPRS, XRCC5, RPL27A, POMK, HNRNPA2B1, PSMF1, FOXP2, SLC7A2, SPRED2, AGO1, SERBP1, KDELR2, JUP, ELAVL3, PRKD3, KIAA0232, ETFDH, MDGA1, PPIA, RALGPS2, DSP, LARP1, EFR3A, ZNF561, PITX1, XPO7, SLPI, RAPGEF1, BABAM1, VIMP, AAK1, BMI1, TBC1D10B, KCMF1, PABPN1, HERC1, PKMYT1, CAB39, AKAP11, RNF40, PRLR, CCT3, SLC38A2, BARX1, ANXA1, RAB14, MYOF, SETD1B, RNF139, CDH11, LYRM4, RBM4, PTGER2, GTF3C4, ZNF532, RC3H2, EPC1, AMOTL2, C6orf201, OCLN, PPP1R15B, FAM83D, SPEN, AKT2, DHX15, RTN3, ARL6IP6, KDM4B, PRPF19, ATG13, TXNDC12, SLC6A1, SLCO5A1, MICAL3, TXNL1, CEP85, EGR1, PPIL1, SLC7A1, SPOPL, OS9
hsa-miR-199a-3p	CYP51A1, MPHOSPH6, ZNF585B, MEF2D, ANKRD52, MANF, PPRC1, STAG2, MYCBP2, NABP1, GRSF1, PLAG1, ZNF703, ZNF430, CAPN2, SMG7, SLC7A11, DUSP5, IMP3, VAMP3, ATN1, TRIM5, HEG1, MASTL, LONRF3, KDELR1, MAD2L2, TFAP4, SGPL1, CALD1, CHID1, CCND3, ARHGEF2, TRIM28, PLOD2, HIAT1, ARPC1A, PLK4, JUNB, PURA, ATG4D, ZMYM2, SERPINE2, FEN1, RBM47, ATP6V1A, WASF1, UBE2G1, ZNF714, USP14, NEK7, BLOC1S6, DONSON, EPG5, ZNF451, MCFD2, CERK, CPS1, RABGAP1, NUP210, STMN1, KIAA1147, PEF1, CYB561A3, EIF1, SYDE1, HNRNPA2B1, CDK17, N4BP2L2, SRD5A1, NET1, PGAP2, APOE, CTDP1, PAQR4, CAPN7, SCD, TFAM, MAP1S, TRA2B, AGPAT6, SDE2, FAM107B, SLC35C2, EXOC4, PPP2R2D, MAFK, ZNF654, AGPS, HNRNPAB, INTS3, SMARCA2, AP1S2, MED6, IREB2, ID2, LIN54, RAI1, H2AFV, PANK3, BMP5, PAK2, CMIP, ZNF207, ZNF121, KIF1B, ETF1, PTPRF, TMEM87A, CBX2, AKT1, MGA, ASXL1, MYLK3, STK4, PGM3, PIGO, ADO, SRCAP, TMF1, CUX1, SEC24A, PRC1, SKIL, DHCR24, PELI2, RGPD3, LNPEP, TAB3, FNBP1, EIF3M, PDLIM1, CMAS, FAM69B, KLHL24, TAGLN, FAS, SEPT2, MAPRE1, PSRC1, RPP30, SLC30A6, ZNF24, CCDC127, SSU72, DLG1, HSPD1, THADA, CLN5, COX10, SLC38A2, AKAP11, CTSD, MID1, SNRNP48, HIPK3, VLDLR, ZIC5, DPF2, TADA2B, FAM217B, PIK3CB, UHMK1, SLAIN2, KCTD12, ZFX, CA13, ANKRD17, ZNF566, IGFBP5, CAV2, PANX1, TRMT10A, ITPRIP, ZNF8, VPS33A, DLL1, GTF3C4, DST, UBR3, DNAJC25, CCDC113, NACC1, CCDC59, HECTD2, ARL15, RDH10, NNT, GOLGA2, PCIF1, TMEM18, ENTPD6, IBTK, CNIH3, KMT2A, NDUFA12, FBXO30, HELLS, MAPK8, MAP3K4, SLC7A1, ARFGEF1, MARCH6, FAM49B, DIAPH2, CDK6, CALM2, LZTFL1, C6orf62, MET, MYO1E, HNRNPF, GREM1, CCNT2, HSD17B12, PHF8, AASDHPPT, SETD2, FLAD1, STAU1, ERO1L, C8orf76, ATF7IP, THBS1, PGM2L1, MTF1, SLC22A15, MPDU1, RAP2B, COL4A5, RIF1, RER1, ADRB1, GGA3, PTGS2, SPATA2, AHRR, PRPF40A, C12orf49, FH, CYB5B, LAMA5, MOB4, RRAS2, RIMKLB, BACH1, MAPK1, SPRTN, GOLIM4, TSPAN14, NOL7, KMT2D, VTA1, FNDC3A, SENP5, MTMR9, CREBZF, UBQLN1, AURKA, NFIA, RET, GCC1, RNF219, PARP1, CSDE1, SLC11A2, ADIPOR2, PPP1R12A, RAP2A, TPP1, DBI, AP1G1, PDE7B, PALM2-AKAP2, GOLGA8A, SMARCD1, HLA-B, QKI, URI1, ARHGEF16, HMCES, C11orf57, SLC39A1, PIK3R1, LURAP1L, SOD2, TANK, ZFP36L2, RAPGEF2, ETS1, MCM6, CHRAC1, ARHGEF17, AHR, DCLRE1A, HVCN1, KRT7, UBTF, ZHX1, MICB, MARK2, HGF, RGS17, ZBTB33, MLEC, DENND1B, PPP2R5D, ATAD1, TAOK1, POLR3K, MGAT5, TMEM189, TAF1D, PKM, RUNX1, RPL28, ZNF614, DDIT4, RIMS3, GNAS, SFT2D2, EDEM3, ANKMY2, CWF19L1, TMEM159, ERC1, SUPT16H, MEF2A, RPAP3, ZBTB34, PYGO1, GLRX2, CPEB2, UCK2, HIVEP1, TOMM70A, YTHDF3, RAI14, FEM1C, MTHFD2, CSNK1A1, BTBD7, RORA, MAPK6, EMC2, FICD, KIAA1462, TSPAN3, UQCRC2, UBE2D1, MTOR, SMG1, CNOT6L, TBX3, UBE2V1, DIXDC1, PIGQ, ELK3, STC2, VANGL1, CD164, DCP2, NDUFA2, DSEL, DDX6, MLLT4, USP37, TERF2, CD151, WNK2, ATP13A3, EXPH5, WDR33, RCN2, OXNAD1, HAS3, DGCR2, FOXK2, DNAJC5, TFB2M, PPP4R2, PTAR1, TMEM52B, EVI5, MSN, NAP1L1, MYSM1, UPF2, LUC7L, HSP90AB1, TRPS1, MAPK9, TNRC6A, YWHAE, GOT2, RAB7A, MECP2, RBM23, GTF3C1, FUBP3, SNN, RGP1, CDC42SE2, FAM222B, STOML2, TOX4, USP9X, STRIP2, MAMDC2, BMP2K, PRR14L, SLBP, PSMA6, NT5DC3, KIF5B, ACVR1B, KHDRBS1, LEPRE1, DDX3X, FBXO45, SZT2, RGMB, TFG, ZNF384, TMEM184C, CDK5R1, FAM89B, CPEB3, CLIP1, MAPK14, IGF2BP1, RAD9A, TLE1, NSD1, PDRG1, DTL, LTBP1, CBFB, G2E3, JADE1, CLPTM1, ZNF710, PSMD6, ERCC3, SOCS4, ZNF778, MAML1, PMAIP1, FGF2, CELF1, UBN2, TNRC6B, MPHOSPH9, MTRF1L, OSBPL8, NEDD4, CEP55, MBNL1, OAZ3, AUP1, MARCKS, GREB1L, TOR1AIP2, KCMF1, FRMD6, CHORDC1, GNA13, IRF2BP2, CDC42, MICAL2, ZBED4, LBR, G3BP1, C3, AGFG1, BTRC, KDM6B, CEPT1, TPT1, PIKFYVE, FBXO46, AVL9, DESI2, SRRM2, TMEM189-UBE2V1, SLC30A5, ARL1, ARHGEF12, CPNE3, BPGM, GLYR1, ADARB1, BRWD1, PAN2, HMGCS1, TAX1BP1, SMU1, SOCS5, VEZT, FAF2, ETS2, FLT1, MTMR3, CARD8, PTBP3, PLEKHA8, RNF13, TES, VEZF1, PAPPA, TSC22D1, GIGYF1, EMC1, DNAJA4, B3GNT2, HDGF, RNF213, HCFC1, PHTF2, TPD52, GPD2, EFEMP1, HNRNPD, TAB2, NDUFC2, SLC20A2, BLZF1, MYBBP1A, SIAH2, DSTYK, PURB, PNRC1, FAM111B, SLC16A1, ZNF431, PEMT, NUP43, PWWP2A, G3BP2, ANKRD42, BRPF1, ZKSCAN1, AQR, NPM1, TROVE2, IFFO2, CD44, ABHD17B, ARID1A, C15orf39, HSDL1, WDHD1, ATL3, VMA21, ATRX, PTPRJ, TMEM30A, RNF114, FAM60A, CCDC80, EFHD2, IGF1, DIP2B, DCTN1, ARAP2, CLDND1, ZXDB, HMGN4, REEP5, GNA12, TNKS, SRSF9, DHX15, RFX7, ETNK1, KIAA0391, LAPTM4B, VEGFA, GNE, EHD2, CCNL1, APLP2, TXNIP, RGPD8, EMP1, FXR1, POLR3F, ASAP1, STAMBP, TMEM170A, LCOR, PRDM2, GRAMD1B, FBN1, CENPF, MBD5, OCIAD2, CRTAP, CEP350, TBCE, MCOLN2, CRYBG3, SURF4, MAU2, ETFDH, LGR4, GOLGA4, ARID2, NUFIP2, EIF4EBP2, ZC3H10, ERGIC3, CAD, LIG4, BCL11A, SMOC1, NFE2L2, ABT1, ZMAT3, C4orf3, PAQR5, FN1, B3GALNT2, HOXA9, PRKCB, ACTR1B, CREB1, USO1, SEC13, DYNLL2, OXR1, TMBIM6, RBM27, MUC6, ATP5B, LUC7L2, DCAF4, PVRL3, CAMSAP2, FZD10, NR2F2, TBX1, GATAD1, BRD8, MAP4K5, ATP11B, ELF1, SLC2A3, OTUD3, ZDHHC4, FUT4, UGCG, BCL2L11, TACC1, RPS20, ZFP91, SF3B3, YWHAZ, UNC5C, SETD5, PSAT1, PRKAR2A, TGFB1, PDIA6, ATXN1, NCOA4, RBM43, PLK2, TMEM39B, HMGN3, MTF2, MAP3K1, F11R, URB2, NR1D2, PHYHIP, CNEP1R1, MYO9A, AMMECR1, C7orf55-LUC7L2, JDP2, TRIB1, KIF2C, CASP14, CDKN1A, CYP1B1, CSRP2, SLC19A2, DYRK1A, BCL9L, GLOD4, ZC3H12C, GOLGA8B, ILF3, RAN, ARHGAP35, MCL1, TFRC, IMPA1, PCNXL3, TCFL5, TLK1, BRD2, MDH2, MYT1L, KCNK1, MBD6, SUMO3, RPS6KA3, KALRN, MTHFD1L, STK11, SLC10A7, NEK6, ZNF805, FXN, BGN, VIPAS39, TSG101, PPP1R12B, E2F2, RAB11FIP1, SLC4A7, CCDC86, VPS18, CACUL1, C11orf30, LIFR, ADNP, FOXA2, PHF12, UBE2D2, PTP4A1, FOS, DCTD, KIAA1468, FASN, POMP, DDI2, BTG2, TMED5, ADSS, TBK1, GFPT2, TNKS2
hsa-miR-205-5p	PSME2, IFIH1, NCOA4, LONP1, GCHFR, NCAPH, SLC39A14, GTF2H1, NUFIP2, EPRS, DSG2, SHISA2, TRIB3, PREP, ANKRD52, WEE1, CDC25B, DNAJB9, SMPD4, MT1B, LRRTM4, TMSB4X, SCEL, SNW1, VTI1A, EGLN2, TDP1, ESRRG, AR, MTHFD2, ASF1B, PCBD1, TRIM33, IL24, SNAI2, SLC26A2, VASN, HMG20A, IDI1, MGAT4B, DUSP14, BDNF, ECT2, SP4, GLYR1, FAM129A, LPIN1, SKP2, TMEM144, MT1F, FAT1, PPAP2A, ACSL3, RAB3B, AKAP9, NMU, PSMD1, DTL, RBM17, GCG, PCNA, SLC35F2, CCDC18, MELK, OSBPL1A, SIAH2, LYN, KAT2B, HOOK1, RNF170, C5orf15, PLCXD2, ORM2, CCDC25, SPINT1, PFKFB2, GNG13, SPAG5, XPO5, NOTCH2, CHAC1, AC004381.6, C1orf116, TTLL7, RPA3, TRIP13, GNAI1, TRAPPC2L, E2F1, TRIM16, ERBB3, GRB10, CPE, CDC23, PRUNE2, JMJD1C, BCCIP, ATRX, CEP55, VEGFA, TLR2, SLC30A1, MTIF3, RNASEH2A, RNF167, CFH, TSPAN1, CDK1, CDV3, SAV1, AREG, ACSL1, ZXDC, FSHR, SLC4A4, LYSMD3, RFXANK, TRIB1, CKS1B, SYNPR, NA, CRELD2, MRPL23, NSF, CLDN1, TRAIP, RAB11FIP1, PCK2, ACTR3, MVK, CDCA8, HSPA8, RECQL4, NT5C, BLVRA, VDAC2, SHIP2(hsa), RNF144A, FKBP5, FCGBP, LGALS3BP, TNFSF18, ABI3BP, VNN1, MAP7D1, NPRL3, DESI2, C16orf74, LRRC8D, INSIG1, DDX5, LRIG1, PAK2, HOXC8, IFIT1, CYP3A5, ACYP1, PTEN, VSIG1, SMPDL3B, KLC1, NLK, SRD5A1, KIFC1, EID2B, IFNK, RAB11A, MAL2, AAGAB, PRKCE, NDRG1, FAM166A, SERPINA3, YWHAB, IGBP1, GKN2, GM2A, DIO3, HMMR, DCAF13, HMGCS1, LCOR,

	FAM102A, YAP1, NUDT21, ICK, GPSM2, GSDMC, ARID4A, EIF4EBP1, LOH12CR1, CEBPB, TNFSF4, NCAPG, SFXN4, IL6, WDR49, MYO1B, CPM, RACGAP1, CARTPT, TMEM39B, MRPL44, EXO1, ANG, NGDN, CYR61, DNMT1, ALG5, RTN3, SRPR, CEBPG, WDR74, BDP1, CTSS, GINS2, PTPRJ, NIPA2, ZNF585B, C21orf88, MT2A, PRIM1, DPPA4, INPPL1, CDK6, AICDA, XPC, NFAT5, DMXL2, RNF168, PDLIM1, METAP1, PARPBP, C6orf201, OR5AN1, C9orf78, TDG, PLN, MCM10, PWP2, CBX6, ZNF382, RMI1, MCM3, PSRC1, CDKN3, SYNJ1, VPS52, TIPIN, MGAT4A, MKNK2, LTA4H, GJA1, CSNK1A1, DNM1L, LXN, UBXN1, GTPBP2, PTPN22, HECTD3, MS4A10, APPBP2, LRP3, CXCL1, PIK3R3, TOR1AIP2, FRYL, KLHDC10, COL4A3BP, ZNF827, GLRA1, TBCE, CDC45, HNRNPA1, NKX3-1, C11orf31, RRM1, SDHB, DUS1L, DNAJA1, SEPT2, TAF11, LMF1, ROCK1, CCNE2, CCDC108, UBE2J2, THBS1, CAMTA1, GINS4, TRIM5, RAP2B, PWP1, TUBB, RAB15, GABARAPL1, HRSP12, LIPK, CYYR1, TAS2R39, GINS1, MCM5, INSIG2, GGH, COPS5, CALM1, GPRC5B, DCBLD2, CREB1, SMCO4, F2RL1, SIGMAR1, RPRD1B, SLC25A1, PICALM, B3GNT1, TMCC1, BNIP3L, KIF2C, CKLF, STXBP3, ATG101, CCPG1, B4GALT6, PBK, POLR2B, PSMD13, LSM2, RAB5C, HIST2H2BE, C7orf55, F5, TOMM22, SULT1A2, CHEK1, HAX1, XCL2, E2F5, DCAF10, SLC41A1, OCIAD2, PSAP, TEX35, NOX5, XBP1, SLC7A2, PTP4A2, ECSIT, MED13, ANXA3, TFPI2, FAM83B, SETD3, DDX47, CCNB1, EZH2, NPEPPS, PTRF, DHCR24, MKI67, AIM1, IFI35, RELN, MYO19, C5orf22, HSH2D, BAIAP2L1, THYN1, AMOT, DSN1, TIMP2, GRB14, MAZ, PEA15, COBLL1, TMEM2, PDE6C, SLC1A1, EZR, PHLDB2, TP53BP1, AGPAT6, NDUFB5, IGSF9B, PARP2, CRYZ, LAMC1, RNF181, AC004925.1, ACBD5, SLC37A2, ELOVL6, HSPA9, SMTN, TROAP, RBX1, ATL3, SPG11, FARP2, SLC25A25, CDC42EP3, OPTN, DDX3X, PLK1, MAP3K9, ARHGAP19, PSAT1, MAPRE3, SLC5A12, IL17RB, TMEM51, HOPX, PHC2, LRRFIP2, CCNA2, POGLUT1, PNRC1, SQSTM1, PHF5A, OR2D2, PRKRIR, RPS6KB2, CCNB2, APP, ESRP1, RGS6, FOS, BIRC3, MARCKS, AFF4, GTF3A, ALG9, GIPC1, TXNL1, YWHAH, PLAC1, RNF217, C6orf141, NDC80, ASB9, TCEAL4, DPM1, TGFBR3, MRPL4, TRIP4, SMC4, ETNK1, CDKN2AIPNL, CTSC, HMOX1, PLAGL2, CHAF1A, LEPREL1, SCP2, TFG, TMPRSS2, 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C12orf36, SRSF8, CCDC15, DPY19L4, IRF4, CAPZA2, UBE2D3, KPNA2, STC2, MRPS23, TMEM41B, ACAD8, CST2, MT1X, OIP5, LSM6, KCNN2, ZNF638, SHCBP1, MMD, SERPINE1, GHR, SLC3A2, LRCH3, EXOSC8, TAPBPL, CIRBP, CACYBP, SUMO3, BBX, TNFAIP8, KLF5, PTCD2, EWSR1, ITGA5, ATXN10, SLC1A4, KIF4A, RASSF1, ITSN1, LGR4, KIFAP3, SMAD4, TP73, RFC4, NRG1, CLK4, CBR3, YY1, CTTN, DNAJC7, KRT16, OR2T27, RAB1A, SLC10A3, EIF4A1, SREK1IP1, ZBED1, ALDH2, INADL, AURKA, SENP2, C19orf70, EIF3B, SCRN1, TIAL1, TIMM8A, IVNS1ABP, MCM2, PABPC4, FAM64A, NUPL1, GALNT1, INO80C, CYB5A, CASP14, RPF2, TBC1D4, ELOVL5, DLGAP5, PKIA, PSMG4, PHF11, KIF13B, VSNL1, ARHGDIA, VWDE, PDE2A, CMAS, NFKB1, RRAGA, C11orf74, CDT1, NUDT1, GOT1, BCL2, GLOD4, TMCO3, NUP37, SLC14A1, CYTH2, SMAD1, RAD21, TNIP2, OSTM1, RAB26, SPAG1, PYROXD1, STMN1, NAALAD2, KDELR3, HSD11B1, CTGF, WSB2, IFI27L1, TUSC1, AKT1, LYPLA2, CDK2AP2, CBWD1, GABRD, MNAT1, LRRK2, BMPR1A, FAM105A, TIMM17B, YTHDF1, ATP2C2, TMEM140, DDB1, CMKLR1, SDC4, STK38L, SEC11C, MICAL1, 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hsa-miR-450b-5p	SEPT2, TSPAN3, PRPF3, PPP6R1, SUMO3, SLFN11, CDKN1B, RAB3GAP2, SAMSN1, IMPAD1, PIGBOS1, RBM47, CLTC, TPT1, ZMYND11, REST, ARPC5, TET1, RNASEH2A, ZNF154, KLF7, ANKRD50, ATF4, GAB1, PURB, PURB, HNRNPA3, UBTF, TRAPPC1, HNRNPA0, LMAN1, NUDT3, CAPRIN1, SLC30A10, ANKEF1, FANCI, PSMB6, TMED4, NCBP1, PAFAH1B1, ZNF480, NAF1, TMBIM6, KMT2E, KANSL3, PGRMC1, MDH1, RPL28, GDI2, OTUD3, UCHL3, BLOC1S2, SREK1, GATA6, ANKRD12, PTPN13, PTX3, TOP2B, SCARB2, LATS1, ARHGEF3, CDK5RAP2, ZNF701, MAP3K4, EIF4A2, C16orf87, ZNF25, CAPN2, JARID2, SLC16A7, SERBP1, DCUN1D1, PLCB1, RAD50, ARHGEF28, MZT1, CD44, SPRY1, AGO3, ATP8B2, ASH1L, FBXO21, RPLP0, SUGT1, KIF11, AAGAB, RAC1, SNX1, AMMECR1, EI24, STARD3NL, ZNF410, DDX10, HIBCH, PSME4, C16orf72, HOXA5, GPC4, SLMAP, CPEB2, SPRY2, HNRNPF, TBCEL, FBN1, EXPH5, CCDC39, KRIT1, RASA1, CASP8AP2, TMEM181, TMEM47, USP47, EPT1, PDP2, SLC43A2, FRAT2, ZNF106, RAP2C, WDFY1, MYO10, KIAA1467, HNRNPUL2, AMOTL1, ABCC12, UTP20, LDLR, ATRNL1, SLC5A3, ZBTB6, ANKRD17, NDRG1, UBLCP1, HNRNPM, ETF1, GNAI2, IRS4, VKORC1L1, SKI, YIPF6, TAF15, SSR1, PLAGL2, MCAM, CLOCK, ENO3, MTA3, ATP2B1, JAG1, P2RY1, BRD4, KIAA1551, RARS2, GPR107, ETS1, ZBTB5, USP6NL, OAZ1, ACSS3, ZNF704, SMAD5, TIMP2, P4HB, DCTN4, UTP11L, EXOC4, TFRC, EDIL3, APP, ZNF710, TBC1D9, BAG2, SACS, LRRC55, IGFBP5, ZNF717, HMGXB4, PEX26, ZNF703, TMEM185B, DDX5, TP53INP1, EFR3A, METTL10, AKAP10, ASCC3, ASPH, DDI2, UHMK1, DCBLD2, MADD, VCAN, CBX6, DYNC1LI2, LZIC, PVRL3, BUD13, RPL23, TNRC6B, PAPD5, HNRNPK, NEK7, NTRK2, SEC31A, ATL3, PTCD2, UBE2V2, PANK3, SLC7A14, SLC16A12, TMEM135, EPB41L4A, MAPK8, KIAA1462, TXNIP, GLP2R, SENP6, PRKDC, BACH1, TMEM127, RP2, RAB3GAP1, LIN28B, RWDD2B, BCL2L11, NR2F2, PRDM1, KLHL28, ST8SIA3, GPATCH8, PAK2, SLBP, BAZ1A, RECK, GALK2, PPP2R2B, RLIM, A1CF, CMTR2, ZNF431, MEPCE, SS18L1, SCAF11, HOXC11, SYMPK, CALM2, SCML2, CDC14A, SLC44A1, ATP13A3, BOD1, COL9A2, BUB1, SYT17, RDH13, SLC16A1, KBTBD2, HSPA13, ADD1, TXNL1, DENND3, ZMAT3, SATB1, AKR7A2, CELA2A, PEG10, CTSC, ZNF711, ZNF525, STRBP, RIMS3, SPEN, MEF2D, PRC1, SOCS7, HBS1L, RPL30, HMGB1, ABHD17B, COA5, SSH2, RBM12, ZNF638, MMAB, DIS3, RTCB, MET, QSER1, CCND2, ERCC3, VCP, TM4SF1, CPEB4, PTPN12, STRN3, KPNA2, CDK6, CCT2, ZC3HC1, RAET1E, SLC30A7, EPRS, MDN1, HIGD1A, ASPM, CTDSPL2, SNRK, EIF4E3,

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hsa-miR-516b-5p	RBMS3, HDLBP, ZNF521, B3GNT2, DCAF4, PAM, PRDX5, CD274, POLA2, ZCCHC3, ZFP62, SEC61A1, GOLGB1, RUFY1, RMND5A, RBM23, DEK, CCND1, PRKDC, NUFIP2, PSMD1, CLTC, TRIB3, AVL9, SEPN1, RNPS1, ZNF217, SLC7A1, MAP4K4, GNAS, CCDC158, MT1A, ADM, ZNFX1, LUZP1, IL6ST, HDAC2, HMGA2, PIGS, AHNAK2, ZNF354B, FSD2, LY6K, NUP133, TMEM209, AHNAK, ZC3H4, SNAI2, PEG10, CLDND1, SIK2, LCE1A, FAM127B, CORO2A, TMPRSS4, TRAP1, SS18, SMPD1, TIAF1, KPNA6, ZC3H11A, STARD13, C17orf85, GYS1, PLIN2, AGTR2, TMEM151A, SSR3, NCKAP1, MNT, MSL2, EEF2, RPAP1, B4GALT5, RPS6KA3, ZHX1-C8orf76, RANBP2, PTTG1, GPX1, WTAP, LRIG3, CNOT6, PRRC2C, PRRX1, KLHL15, MYO18A, METTL8, ZNF326, GRAMD1A, PATZ1, OCA2, EPS8, PLD5, HRK, PPP6R3, HNRNPU, CD226, ANKRD32, RSL1D1, HIST1H2BG, APH1A, ACKR3, NDST1, ZNF850, HIST1H2BF, SMIM12, RBM47, MTF1, ZMIZ1, COL5A2, TRIM65, PPP1R11, PLCG1, CCDC140, ZFP36, SMARCA4, TMTC3, YOD1, NR2C1, EMP1, ADAMTS5, SRRM2, EHD3, ARF6, FOSB, C1orf109, CTNND1, KBTBD13, NASP, PLAT, RAB34, TBL2, KLHL23, KMT2A, SCARB2, DCTN5, OGT, MYRF, MAGED1, NACC1, SEC23A, CEP290, VAMP3
hsa-miR-517a-3p	CTSE, MYOF, NRCAM, MOXD1, GLA, ZNF443, IL18, FUT8, FAM69A, SLC7A7, PHF6, ARMCX1, DNAJC28, SIGLECL1, UBL3, SLC16A12, DGKK, EFEMP1, PDE5A, PLAC8, FIGNL1, SPTSSB, CSTF2, LCP1, CCDC80, RBM24, PTK2B, UPF3B, PLEKHG1, CFHR5, CER1, AGPAT9, SLC41A2, APOA2, PALMD, ITGB8, EREG, C1GALT1C1, GPX8, SERPINA7, TSPAN6, GLRX, ZNF280C, AFM, CPEB2, GALNT5, MICAL2, RNF128, CXorf56, SLC9A6, FAM122B, AVPR1A, SEMG2, RASAL2, NRK, SERPINE2, HTRA3, CPS1, IL13RA1, NID2, PCNXL2, UNC13C, HPX, KLHL13, FOXJ3, DDC, TNFSF10, OCRL, ABRACL, CDH6, RELN, ATG4A, USP1, SLC4A4, TCEAL8, IFI35, ZNF841, TMEM17, MCTS1, IGSF1, SYTL5, ANKRD1, GRIA3, RBM41, FAM111B, LIPH, EPT1, DOCK11, GPX2, SLFN11, HAS2, VCAN, CUL4B, DCHS2, C1S, B4GALNT2, NACC2, TNIP1, DBN1, PLS3, RARB, HPRT1, HNRNPU, ATP10D, ATP11C, GLRB, FZD3, CD44, STAG2, GDPD1, VNN2, NDUFA1, LUM, PARP14, PTPRT, METTL25, SULT1C2, GLIPR1, MMGT1, DSEL, ABCG2, TC2N, FBN1, SH3RF3, NUPL2, TSPAN7, ENOX2, LAMP2, SERPINC1, CPA6, ALDOC, ZNF431, FAM134B, GCNT4, OTOGL, NUCB2, EFHD2, MUC7, OLFML1, HSPA12A, MOSPD1, ADAM28, PLXNC1, CXorf57, PON3, PLK2, CENPI, WDR44, LYST, POC1B, THAP2
hsa-miR-708-3p	SLC39A10, N4BP1, ACTB, IRF2BP2, ASXL3, DENND5B, MDM2, SMKR1, SMC5, PHACTR2, CCNG2, HNRNPA2B1, PHF20L1, MAPK1, NF2, OTUB1, RNF138, EIF4EBP2, DCUN1D1, RASGRP3, AKT3, KIF5C, FKBP4, RUNX3, DICER1, SEPT8, CYP51A1, KCTD16, SNRPB, USP1, ONECUT2, ARF3, SOCS6, FKTN, NUP62, TANC2, CA2, GP5, BIN1, FNDC3B, CTSO, E2F6, MPL, SLC5A3, NCL, CDC42BPA, STIP1, SEC61A2, TEX261, BTG1, CRLF3, ARPP19, CCDC6, RHOBTB3, NCOA2, LNPEP, CPOX, C1orf21, CYB5R3, SUB1, KLF5, TMBIM6, G2E3, ZNF107, SCAMP1, BCL2L11, SMARCE1, TM4SF1, RAB2A, ZNF207, POU2F1, STK4, NUDCD3, RBM12, DDX5, C8orf44-SGK3, VEGFA, CD164L2, VIM, EFR3A, DPP8, CFL1, PPP1CC, ADD3, PPRC1, RAP2B, ARHGDIA, VDAC2, THY1, COX5B, NRAS, RAD51AP1, CCDC169, FGF2, BACH1, MAPK3, MARCH6, ZNF512B, LCOR, AP1G1, HNRNPA1, GREM1, SGK3, PSAT1, CASP3, WDR26, KLHL15, PWWP2A, PXYLP1, ATF6, KIAA1033, MEA1, KCNJ10, BCOR, SRSF1, C18orf25, CDC23
hsa-miR-99a-5p	PPP1CB, PSMA2, EEF2, TMEM30A, LPGAT1, CIRH1A, POU3F1, RFC1, CDC27, ZNRF2, IGFBP5, SKI, SGPP2, CLCN5, MID1, KMT2D, TTC30A, MAP2, ICMT, PSMD1, CHAF1A, POU3F2, ARHGAP23, GRHL1, SERPINE1, CYP4F2, CLDN3, MORC3, CCDC6, IGF1R, BRD7, N4BP2, LMAN2, TTK, ARRDC4, HIGD1A, COQ2, ATL3, ORC5, RASAL2, SUDS3, SLITRK5, RAB2A, FABP5, GPAM, ATP1A1, SLC39A6, HSPE1, RAI14, SCRN1, DDX3X, RASA3, MKL2, NKIRAS1, LGALS3BP, LMNB2, PAPPA, RPS15, BAZ2A, CTDSPL, HMGN5, ANKRD50, PLEKHJ1, EIF4EBP1, DYNLRB2, CCND3, SCN3A, HECA, LRRC8B, CPSF2, YARS, METTL23, TFPI, CALM2, CCL2, GMPS, CBFA2T2, CENPH, THAP5, RNF8, ATP2B1, KCTD6, SLC30A1, ZNF766, ASGR1, KLHL24, SDHC, B3GNT2, PTPN11, DNAJA3, EXTL3, RHEBL1, HADHB, CD14, DHX32, HIST1H2AH, PPM1H, PEG10, KBTBD8, GTF2H1, EIF5, KCND3, ZNF367, RAB38, HIPK3, TMEM165, DENND2C, CAMTA1, HNRNPL, RPS26, RUNDC3B, P2RY11, CUL3, SF3B4, HYLS1, CPEB4, TOPAZ1, C16orf87, SGSM1, LPPR4, TNRC6B, CASP3, C21orf67, PPIA, SMARCA5, PPID, VPS26B, EIF1AY, POGK, CEP104, CDKN1A,

ZNF121, FNDC3B, CBWD1, E4F1, RNF187, PIP5K1A, FKBP5, RPL36A, COPS7B, SPRR2B, SMPDL3B, GPBP1L1, COL4A1, SLAMF1, DNASE2B, CD209, TMEM33, HABP2, NMT1, LGR4, VCPIP1, NAP1L1, NXNL2, ZEB2, SMO, ATP6V1C1, AKAP2, CUL2, SRSF10, ATP5G3, EIF5A, CCND1, GRAMD1C, EVI2A, XIAP, ANKRD52, NUDT1, PPP3CA, TAF13, LNPEP, SLC16A6, SNX9, ZBTB7A, ZNF852, KCNE4, ATXN2L, UBA2, CAMK2D, MEF2D, LRIG3, RAVER2, SGMS2, RCBTB1, GPR37L1, NFYB, C11orf52, DNAJB4, MTOR, REEP3, SNRNP200, CCNE1, SIAE, GKAP1, DLD, CISD1, MAP9, PLSCR1, HN1L, RAC1, NEDD4, GTF2H2C, TMTC1, CPEB3, FZD8, PRDM1, MYCBP, DIO1, MCM8, PAMR1, CEP70, MTMR3, MCM4, TOMM22, MYBL1, RNFT1, GREM2, SEPP1, CACUL1, SERPINA12, UHMK1, FLRT2, ORC2, PTPRZ1, CDYL2, WHAMM, HOXA3, GPR126, FZD5, WDR83OS, RSG1, NUP210, TMEFF2, SYNJ2BP, C18orf54, DEGS1, DNAJC5, HIST1H4I, GPR180, GNAL, DDX18, SQRDL, HIST1H4C, DCAF10, FAM91A1, RPS2, POLQ, RAD51C, MED12, GOPC, JUN, PPM1A, FAM64A, MYL2, ADO, GDE1, NPR3, BGN, GOLGA3, DLEU2L, GXYLT1, RAB15, NFU1, KBTBD2, TPPP3, PHLDB2, AGO3, RAP1B, ZBTB18, EEF1D, ALX4, MEF2C, KCNJ11, ZADH2, CDC42SE1, SPRR2E, HSD11B1, SLC20A2, MGA, FRZB, BMPR2, RPL37A, TRIB2, TSPAN14, SLC7A11, SERTAD2, DLL3, ITM2B, ROCK1, CANT1, MAGI2, KIF14, ZNF322, RNF144B, TBC1D16, PACSIN2, MAPK6, IMPDH1, NPC1L1, PSMC3IP, SERF1A, ARPP19, MT-ND3, SRPK1, RAMP1, DLG5, CTCFL, PYGO2, ZNF621, CD99L2, FAM126B, ZNF585B, CXCL16, N6AMT1, ZC3H14, SESN3, TULP4, TYMS, PMAIP1, CHD7, CD81, MMP13, CAPNS1, B3GALTL, DPM1, BTBD3, SHOC2, ACE2, FOXRED2, EDN1, ASNS, PLCXD2, RPS6, DOCK11, STEAP4, FAM171B, NID2, RARS, FOSL2, C14orf169, AGO2, PDK1, IL6, ATPAF1, HOXA1, JPH1, PDZD8, C9orf37, NDUFA2, DENND4C, SALL2, BMS1, KIAA0907, ABCB6, HSPA4L, CFLAR, TMEM209, UBB, CACNG8, EIF2A, ARHGDIA, SERF1B, USP31, HOPX, OR14J1, GPNMB, CCSAP, ZNF512B, CASZ1, TSPYL2, SMEK2, SORL1, UQCR10, ZBTB16, ADAM19, SON, ORMDL1, TMEM41B, CERS1, MT-CO2, FAM175B, AKR1B10, AP1AR, NFE2L1, FAM99A, CCDC59, SESN2, TXNDC11, SPC25, GALNT11, PHC3, FZD7, APEX1, GFM1, ATP5E, CLPTM1, SGPP1, ZBTB34, SEC13, CDK6, PLEKHF2, MMP10, PUM1, CIRBP, MBNL1, GCSAM, GTF3C1, NAE1, RIMS1, EDC4, FDX1, RPL7L1, ADCY9, C4orf36, FGFR3, FUT3, GTF2I, VLDLR, KCTD10, PIK3CB, ANKRD28, VPS45, MRPS33, EEF1A2, ITGB4, AIM1, SEMA3C, CNOT6L, PHF10, OAZ1, HIST1H3A, TMEM132E, RB1, SORBS2, ARL8B, PFN1, SRSF2, FOLH1, CXCL13, SLC44A1, RSRC1, EEA1, TTC38, TIMM17B, RBPJ, OR13D1, EPDR1, NFKBID, MAFB, NDE1, SMAD7, LSM5, C19orf57, DGCR2, CCL5, ZNF76, TMEM135, PURB, CTC1, DHCR24, CCDC92, CIB2, ZNF217, ZNF483, SIGLEC6, HSPB2, WDYHV1, NPM3, SLC2A12, HMGB3, NA, TUBG1, GLUD1, EIF4A3, PREX1, ZDHHC18, TRIB1, RPA4, MRPL22, DDX42, MYPOP, NKX3-1, MARK2, SLC7A8, STK25, MRPS18C, DDHD1, SNX13, CCDC171, SPIRE1, ATP6AP1, CCL7, BPGM, SSB, RBM39, NUP37, RCC1, AP2B1, ZBTB4, CYP2C18, HIST1H3D, GMDS, THBS1, PCDHB16, RCN2, GOLGA4, PYCR2, PARP1, SMC3, RRN3, INPP4B, MON1B, TOMM5, FAM169A, DDX46, OLFM2, STOM, MRPL57, UNC50, RGS9BP, CDO1, RANGAP1, CD47, HOXA10, AGO1