|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Cluster 1 | | | | | | |
| CYP51A1  PRSS22  IBTK  TNFRSF12A  CYTH3  CLCN6  PLAUR  ANLN  TMEM159  ELOVL5  GPRC5A  CYP24A1  SNAPC1  ARNTL2  ADSS  SCML1  HDAC9  LIMA1  PRSS8  MSMO1  LAMC2  SBNO2  ZC3H15  ME1  GOLGA5  PFKP  IDI1  KLF6  ACSL4  MAPK6  CYBRD1  RDH11  ACTN1  IGF2BP2  LMAN1  ACTR6  NFKB2  ITCH  FDFT1  WDFY1  PPP1R15A  TPX2  FXYD5  FLNA  ZNF165  SERPINB2  TAF13  ERO1A  TFAP2A  HMGA1  IER3 TMED7.TICAM2 | ICAM1  CMTM6  CDV3  EZR  TGFB2  HSP90AB1  ITPR3  DSP  SCD  PIK3IP1  XBP1  BIK  HMOX1  TTLL12  RANGAP1  PYGL  HIF1A  NFKBIA  PRELID3B  CDC25B  MYL12A  MIB1  STAG2  PLS3  SMS  EEA1  LACTB  RIPK2  SQLE  RELB  PPP1R13L  LSR  MET  SERPINE1  DVL1  EIF3A  CCSER2  SMC3  KPNB1  SYNGR2  ALDOC  NMU  AREG  CD2AP  PIM3  STK39  SMURF1  PJA2  CENPW  FGFBP1  SDCBP  LYN | KLHL5  OSBP  CCND1  DSE  SERINC1  HINT3  NCOA7  PTP4A1  HECA  SLC39A7  PHF1  TTK  ERBIN  HMGCR  AMOTL2  GALNT3  FHL2  RND3  ERRFI1  RNF19B  GADD45A  CD46  F3  IRF6  KLF7  TNFAIP3  RAB32  FOXO3  SPP1  UBE2B  PTBP3  CTNNAL1  SET  ATL2  IFIT3  IFIT2  AVPI1  DUSP1  PANK3  ACAT2  DUSP4  TMEM156  PLAU  P4HA1  OPTN  PFKFB2  ACSL3  CHPF  CSE1L  PMEPA1  FAM72D  CDKN2AIPNL | CDKN1A  SOX4  SOX9  TNFSF9  C3  GPCPD1  RRBP1  EIF2S2  NR1D1  SBDS  GLIS2  PTPN12  CDC42EP1  RAC2  LIF  KRT17  DNAJB9  CALU  MINDY2  COPB1  SLC44A2  KLF16  SAT1  LDLR  GDF15  THEMIS2  ULBP2  ACSS2  ACLY  PPFIA1  TOP2A  WBP2  OSER1  ATP13A3  TTC9  CDK7  ARL8B  SPIRE1  SLC43A3  COL4A2  EHF  KRT7  TMBIM1  CKAP4  FLNB  LCP1  SKIL  LRRC8A  SLC31A1  PIM1  DUSP5  CEP55 | SEC24B  AMIGO2  PHLDA1  DUSP6  CDR2  OSBPL1A  GATA6  C18orf8  NPC1  CBLC  EPHA2  CYR61  TINAGL1  ATP1B1  PFDN2  MCL1  DUSP10  MBOAT2  GOLGA4  TMF1  PHLDB2  CCNA2  OSMR  PLK2  TNIP1  TNFRSF21  PPP1R18  NFKBIE  EGFR  CCT6A  MAL2  UGCG  LCN2  PROSER2  GLUD1  CELF1  ADAM8  ASAP2  CACUL1  MBNL1  HNRNPDL  PTPRK  WNT7A  CCT8  ZFAND3  B3GNT7  EIF4A2  MMP14  BCAR3  RABGGTB  ATAD1  ARFGAP3 | TSC22D3  ETS2  FMNL2  NCK1  PPP1R15B  CDA  GNE  FDPS  SQSTM1  ITGA5  RBM15  RPL22L1  TPRA1  LIPH  GNL3  RNF168  MB21D1  OSGIN2  PDP1  UBAP1  VDAC2  DDX21  ARL5B  GPR176  SLFN5  NAV2  C15orf48  GOLGA2  MVD  NLRP7  KRT80  SRRM2  DDIT4  ARF4  TAP1  FAM84B  FEM1B  GDI1  PHACTR4  ZDHHC18  MICB  MICA  HLA.E  MZT1  IPO7  KRT6A  KRT81  PPIG  ITGAV  USO1  AREGB  HACD2 | PCSK9  CLIC4  CKAP2L  FASN  CNBP  HNRNPF  CSGALNACT2  IFFO2  ALCAM  KRT86  KIF5B  SOX7  JUNB  ENC1  DHCR7  MYEOV  TRIB1  DAG1  NET1  NR1D2  MARCKSL1  CKAP5  FOSL1  CCDC85B  SFN  ETV4  MEX3C  ANKLE2  PAWR  JUN  THBD  FGD6  GPR157  RTKN2  ACBD3  GBP6  MACC1  ACTG1  TACSTD2  CSF1  SOCS3  KPNA7  KRT6B  ZFP36L1  KPNA4  UBE2H  KRT16  ARL4C  CD55  LAMB3  PPP1CB |