

Table S1. Venn diagram data

Only GSE4-Only GSE1-Only ImmP-GSE4290-L-GSE4290-L-GSE12657-GSE4290-DEGs AND GSE12657-

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|-----------|---------|----------|----------|----------|----------|--------|
| TOP2A | CALB2 | AZGP1 | CACNG3 | PSMB8 | ANGPTL2 | PDYN |
| LINC01088 | KALRN | B2M | SLC30A3 | EGFR | CCL2 | CCK |
| OLFM3 | PRSS3 | CALR | TIMP4 | RXFP1 | RASGRP1 | SST |
| GJB6 | CDS1 | CANX | GABRA1 | NMB | TNFRSF10 | F2R |
| NDC80 | SLC6A15 | CD1A | DDN | CXCL14 | PENK | RBP4 |
| CES4A | PCDH8 | CD1B | GABRA5 | CRH | CD14 | VIP |
| IRX3 | CNKS2 | CD1C | WIF1 | FABP6 | KLRC3 | BMP2 |
| LFNG | SNAP25 | CD1D | SV2B | MCHR2 | PPP3R1 | PCSK1 |
| MARVELL | CADPS | CD1E | CPNE6 | CALCRL | ISG20L2 | TAC1 |
| HES6 | CAMK1G | CD4 | SOSTDC1 | MSTN | PTHLH | PRKCB |
| CPXM1 | PSD | CD8A | ID3 | PAK6 | HMOX1 | PAK1 |
| LGI3 | DCLK1 | CD8B | PDE1A | PCSK2 | IL11RA | BDNF |
| UHRF1 | DGKB | CD74 | SYNGR3 | CHGA | PTK2B | NPY |
| CREG2 | TGFBI | CREB1 | ITPKA | SEMA4D | PPP3CB | PTGER3 |
| MAL2 | PPM1E | CTSB | RYR2 | ERAP2 | IL10RA | PRKCG |
| RAB3C | CUX2 | CTSE | ANO3 | HNF4G | PNOC | FGF13 |
| LCAT | SPTBN2 | CTSL | SYN2 | TNC | NEDD4 | PAK3 |
| PNMAL2 | GNAO1 | CTSS | MTHFD2 | GREM1 | C3AR1 | VIPR1 |
| ANKRD34 | PPFIA3 | FCER1G | HTR2C | TSHR | MAP2K1 | |
| SYNPR | NEURL1 | PDIA3 | HPCA | SEMA3E | TNFRSF1B | |
| NEUROD6 | CACNB1 | HFE | KCNJ4 | SSTR1 | MAPK1 | |
| RP11-320H | FAM65B | HLA-A | GRM3 | RORB | BMP7 | |
| GABRB2 | MOXD1 | HLA-B | RGS4 | FABP3 | CDK4 | |
| TRHDE | PCP4 | HLA-C | NELL1 | IL12RB2 | TNFRSF21 | |
| MELK | AAK1 | HLA-DMA | PCLO | IL7 | S100A9 | |
| BCAN | UST | HLA-DMB | SOX4 | MCHR1 | HLA-F | |
| KIRREL3 | ADCY2 | HLA-DOA | SLC8A2 | TNFRSF19 | TYROBP | |
| AK5 | BRSK2 | HLA-DOB | SLC4A3 | THRB | FCGRT | |
| GPR22 | CEP170B | HLA-DPA1 | SLC17A7 | MDK | CBLB | |
| NPY1R | DLG4 | HLA-DPB1 | CRYM | ADRB1 | PLXNB2 | |
| GLT1D1 | PIP5K1B | HLA-DQA | NEFM | | CSF2RA | |
| OGDHL | LRRC8B | HLA-DQA | RFPL1S | | GRB2 | |
| CBLN4 | MEF2C | HLA-DQB1 | SNCG | | | |
| TLL2 | CPVL | HLA-DRA | NEFL | | | |
| FAM19A1 | ECM2 | HLA-DRB1 | GRIN2A | | | |
| PACSIN1 | ATP2B2 | HLA-DRB3 | SULT4A1 | | | |
| C3orf80 | HCN2 | HLA-DRB4 | SLC12A5 | | | |
| GALNTL5 | DAAM1 | HLA-DRB5 | NPTX1 | | | |
| HCN1 | COL4A1 | HLA-E | NRGN | | | |
| GDA | AP1S1 | HLA-G | GABRG2 | | | |
| PBK | NKX2-2 | HLA-H | ATP8A2 | | | |
| C11orf87 | OLFM1 | MR1 | ERC2 | | | |
| SERTM1 | PSMB9 | HSPA1A | SERPINI1 | | | |
| LINC00507 | AQP3 | HSPA1B | MICAL2 | | | |

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| RSPO2 | FAM131A | HSPA1L | LPL |
| DRD1 | RND2 | HSPA2 | RIMBP2 |
| C1orf115 | CDH13 | HSPA4 | WNT10B |
| RAPGEFLIPTPRT | | HSPA5 | SYT1 |
| SMPX | SLN | HSPA6 | ICAM5 |
| ERICH3 | CAMK1 | HSPA8 | CAMK2B |
| EIF4EBP1 | STXBP1 | HSP90AA1 | STX1A |
| SOX11 | MAPK8IP2 | HSP90AB1 | ST18 |
| PCDHGA8 | GAD1 | ICAM1 | CAMK2A |
| MAP7D2 | MMD | IFNA1 | NPTX2 |
| TMEM100 | BAIAP2 | IFNA2 | GABRA2 |
| OPALIN | CDKL5 | IFNA4 | STMN2 |
| TMEM235 | UCHL1 | IFNA5 | PHYHIP |
| NECAB1 | RAP1GAP | IFNA6 | DLG2 |
| DLGAP3 | PRKAR2B | IFNA7 | VSNL1 |
| NES | CACNB3 | IFNA8 | CA11 |
| RP11-332HPDE1B | | IFNA10 | KIAA0319 |
| ATP2B3 | CACNB2 | IFNA13 | PARM1 |
| HHIP | FAM49A | IFNA14 | NPTXR |
| TMEM191 | WDR47 | IFNA16 | SNCB |
| NWD2 | SKAP2 | IFNA17 | MYT1L |
| RTBDN | PLD3 | IFNA21 | TRAF3IP2 |
| CALY | PRSS2 | IFNG | RCAN2 |
| ATOH7 | DNM3 | KIR2DL1 | CCKBR |
| CHRM3 | CDK5R1 | KIR2DL2 | MYC |
| MFSD4 | ATP1B1 | KIR2DL3 | ETV1 |
| C1QTNF4 | MCM7 | KIR2DL4 | PPL |
| GLS2 | TP53I3 | KIR2DS1 | KCNJ3 |
| RAP1GAP2 | IDS | KIR2DS3 | PTPN20B |
| CDKL2 | REV3L | KIR2DS4 | GRM1 |
| CYP4X1 | MMP16 | KIR2DS5 | PLK2 |
| CHRM1 | EIF4E | KIR3DL1 | RAB3A |
| SYTL5 | IDH3A | KIR3DL2 | CDH12 |
| GBX2 | DYNLT1 | KLRC1 | ASCL1 |
| SNCA | KDM5A | KLRC2 | CAP2 |
| PTPN5 | RFK | KLRD1 | SH3GL3 |
| FLJ16779 | NUP98 | LTA | NECAB2 |
| DLL3 | CTSO | CIITA | FAM189A1 |
| SLC26A4 | EFNB3 | MICA | MAL |
| RBFOX1 | PAIP1 | MICB | KIAA1107 |
| SYT13 | DPY19L2P | NFYA | RIMS3 |
| AKAP5 | GAS7 | NFYB | KIAA0513 |
| RP1-212P9 | PRPS2 | NFYC | TBR1 |
| LRRC7 | OPA1 | LGMN | ENC1 |
| RHBDL1 | OLIG2 | PSMC1 | DNM1 |
| TTC9B | SRD5A1 | PSMC2 | MAST3 |

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| CHST9 | C1orf95 | PSMC3 | CRHBP |
| RBFOX3 | CPNE1 | PSMC4 | KCNK1 |
| HOOK1 | BARD1 | PSMC5 | GLS |
| PPP4R4 | CDK2 | PSMC6 | SPOCK3 |
| JAZF1-AS1 | SLC12A4 | PSMD1 | GRIN1 |
| DLX1 | RAB13 | PSMD2 | EPHA5 |
| NKAIN2 | MOAP1 | PSMD3 | HTR2A |
| EZH2 | ENO2 | PSMD4 | KIAA1045 |
| IRX1 | NUP188 | PSMD5 | DOC2A |
| ADAMTS8 | CCND1 | PSMD7 | SCN2A |
| NUDT14 | TUSC3 | PSMD8 | BCHE |
| TMEM130 | VSIG4 | PSMD10 | HSPA12A |
| GNG3 | AK2 | PSMD11 | BSN |
| MIR7-3HG | ASS1 | PSMD13 | DMTN |
| SOWAHA | LPGAT1 | PSME1 | NRXN3 |
| GPR37 | LYRM9 | PSME2 | MDFI |
| S1PR5 | LILRB4 | RELB | MYRIP |
| TMEM151 | C1orf216 | RFX5 | CLCN4 |
| WNK2 | KLK7 | RFXAP | SORBS2 |
| MYO1D | ATP6V1H | SLC10A2 | STON1 |
| CLEC4G | HMHA1 | TAP1 | KCNAB2 |
| KRT222 | SYNJ1 | TAP2 | CABP1 |
| ASIC2 | MAST1 | TAPBP | NCDN |
| KIF4A | NEUROD2 | THBS1 | RAPGEF5 |
| TMEM155 | FBXL2 | SEM1 | PTPRR |
| RASAL1 | NSG1 | KLRC4 | PRKCZ |
| UNC13C | SCAMP5 | AP3B1 | LPCAT4 |
| KCNJ9 | TP53I11 | RFXANK | XK |
| RP11-182J2 | THEMIS2 | PSMD6 | NEFH |
| GPR83 | ARPP19 | PSME3 | KCNJ6 |
| SLC17A6 | TNR | PSMD14 | NELL2 |
| ARX | ABCB9 | CLEC4M | LDB2 |
| RP11-389G | HOMER1 | IFI30 | NID1 |
| MUM1L1 | GPR6 | PROCR | PPFIA2 |
| MAK | MAP3K10 | ADRM1 | RUNDC3A |
| LOC28457 | CA4 | ECPAS | RAB40B |
| NAPB | PNMA2 | TRPC4AP | ZNF536 |
| KIF20A | LGALS3B | CD209 | CHD5 |
| SYT4 | KIF3C | UBXN1 | BCL11A |
| PPP2R2C | RASGRF1 | ERAP1 | HPRT1 |
| RASGEF1 | MAP2K4 | TAPBPL | CDH18 |
| RASGRF2 | NEDD9 | KIR2DL5 | ALGI1 |
| CDH8 | MDC1 | ULBP3 | GAD2 |
| MAML2 | SHANK2 | ULBP2 | ZNF365 |
| FAM19A2 | ATP6V1B2 | ULBP1 | ADCY1 |
| RP11-710C | NECAP1 | KIR3DL3 | RPH3A |

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| SYN1 | CAMTA2 | RAET1E | GUCY1B3 |
| SNCAIP | SRPX | RAET1L | PPM1H |
| BEX5 | OXCT1 | UBR1 | TPPP |
| PEX5L | GABARAPRAET1G | | NAV3 |
| CYP26B1 | TRIOBP | PDIA2 | LPPR4 |
| ERMN | ZNF204P | HAMP | SYP |
| RTN4RL2 | SLC7A7 | PI3 | DYNC1I1 |
| TENM2 | TMEM246 | CAMP | AMPH |
| STXBP6 | PPP1R13B | DEFB4A | SLC2A3 |
| CEP55 | GPX7 | PPBP | FRRS1L |
| FERMT1 | MATK | REG3G | TTC9 |
| PPP1R16B | RTN2 | CXCL16 | DOCK3 |
| ARHGAP4 | ARHGEF9 | SLPI | DGKZ |
| CRNDE | PREPL | CXCL8 | RIMS2 |
| SLC5A11 | AKAP13 | CXCL10 | LY6H |
| ST6GALN2 | IDH1 | CXCL9 | SNAP91 |
| TUNAR | DNMBP | CXCL5 | CDKN2D |
| RNF128 | CDK17 | CXCL11 | EPB41L1 |
| PALM2 | RAB31 | CXCL6 | TAGLN3 |
| HS3ST4 | LAPTM5 | CXCL1 | GPRASP1 |
| ZNF385B | MSL3 | CXCL12 | KCNQ2 |
| NKAIN4 | RTN1 | CXCL13 | GOT1 |
| SVOP | ZNF529 | CXCL2 | NEDD4L |
| KIF17 | RECQL | PF4 | LYPD1 |
| HPCAL4 | RUNDC3B | XCL1 | YWHAH |
| PCDHB11 | PDE4A | CXCL3 | MAP3K9 |
| SHD | KLF10 | DEFB103B | NIPAL3 |
| TLL7 | PCGF2 | CCL13 | EPHB6 |
| DNAJA4 | LIMK2 | CCL1 | APLP1 |
| CNTN2 | SLC4A7 | DEFB1 | ELAVL2 |
| CELF4 | SUCLA2 | CCL8 | PHLDA1 |
| RP11-215H | ATP6V1D | ELANE | RGS7 |
| HSPB3 | REEP1 | DEFB103A | PDE2A |
| NGB | VAMP2 | DEFA3 | ZBTB20 |
| BEND4 | ZNF804A | DEFA1 | SYNGR1 |
| HIST1H4J | TSPYL4 | TMSB10 | ARHGAP44 |
| SCN3B | NDEL1 | DEFA6 | SYT5 |
| ST8SIA5 | MLLT11 | DEFA5 | SCN2B |
| LOC38989 | CDK5 | DEFA4 | TCF12 |
| ZMAT4 | BTBD3 | LCN2 | PAK7 |
| DGKE | PARVB | LCN1 | CHN1 |
| VSTM2L | PXDC1 | COLEC10 | PTPN3 |
| PRRX1 | PARK2 | BPI | NNAT |
| SLC35F3 | MPST | S100A8 | SPINT2 |
| CLCA4 | BASP1 | DCD | CACNA2D1 |
| DIRAS2 | C14orf2 | LCN6 | TUBA4A |

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| RP11-469M | ATP6V1A | S100A12 | PSD3 |
| SAMD12 | KIAA0368 | HTN3 | RAPGEF4 |
| FXYD7 | CLSTN3 | LCN8 | HNMT |
| MYRF | OGG1 | DEFA1B | PTPRN |
| AF131215 | AKR1C3 | CCR10 | APOC1 |
| SLC24A2 | PFKP | CELA1 | PART1 |
| LOC72973 | SOX13 | DEFB106A | SPARC |
| CTB-78F1 | NUDT1 | BPIFC | PRKAR1B |
| CNTN4 | MPP2 | MMP12 | ATRNL1 |
| ZCCHC12 | HLF | BPIFB6 | WDR7 |
| LOC40122 | PLCH1 | LEAP2 | RP2 |
| CARNS1 | TSPYL2 | SFTPD | SH3BP5 |
| RIT2 | UBE2V2 | LCN9 | |
| PCDHB9 | TXNIP | BPIFB2 | |
| EMX1 | CAMTA1 | PTGDS | |
| JAKMIP3 | APC2 | TMSB4X | |
| WSCD2 | ACOX1 | PGLYRP1 | |
| FNDC9 | PALM | ZC3HAV1 | |
| PITPNM3 | CCDC93 | TMSB15A | |
| KLHL26 | SRPK2 | S100B | |
| CCDC80 | RASSF2 | S100A13 | |
| PDE1C | TBC1D9 | S100A6 | |
| WEE1 | RGL2 | DEFB119 | |
| UBE2QL1 | ADAM17 | DEFB107A | |
| JPH1 | DMXL2 | DEFB105A | |
| CTC-471C1 | ACOT7 | SERPIND1 | |
| CPLX2 | NPTN | DEFB129 | |
| DLGAP2 | ZNF22 | DEFB127 | |
| RAB3B | ARL6IP1 | S100P | |
| FOXD1 | FKBP8 | S100A7 | |
| CDH19 | SMARCD2 | DEFB104A | |
| JAKMIP1 | SBF1 | DEFB126 | |
| TFAP2A | MAPRE3 | DEFB106B | |
| TAS2R5 | KIF5A | DEFB104B | |
| LOC44093 | IQSEC3 | DEFB107B | |
| KCNH3 | AJAP1 | PGLYRP3 | |
| 44266 | LBR | PGLYRP2 | |
| CNGA3 | SLBP | S100A10 | |
| PGM2L1 | GHITM | S100A2 | |
| RP11-116O | MAPRE2 | DEFB125 | |
| COL24A1 | AP3M2 | DEFB123 | |
| CNDP1 | R3HDM1 | DEFB105B | |
| SLC6A17 | KCND3 | DEFB132 | |
| THEMIS | ZCCHC24 | BPIFB3 | |
| KCTD4 | MAPK9 | LCN12 | |
| GRIN2B | MCL1 | PGLYRP4 | |

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| SDR16C5 | NUPL1 | S100A11 |
| ITPR1 | DUSP3 | S100A5 |
| KIF18A | TUBB2A | S100A3 |
| FEZF2 | STX10 | S100A1 |
| TPPP3 | RNMT | DEFB128 |
| SPSB4 | GNB5 | DEFB108B |
| BTBD17 | RAMP1 | HTN1 |
| ARHGDIG | DLG5 | LMBR1L |
| NCS1 | GULP1 | S100A7A |
| LINC00889 | G3BP2 | DEFB118 |
| NEGR1 | NRXN1 | COLEC12 |
| UNC5D | ANK2 | TMSB4Y |
| WBSCR17 | UCKL1 | DEFB131A |
| VSTM2A | DLGAP1 | DEFB134 |
| CACNA1B | MMP17 | DEFB130A |
| FOXM1 | TOMM34 | DEFB124 |
| GRM2 | RALGPS1 | DEFB121 |
| GSX1 | GM2A | DEFB116 |
| TSPAN12 | ZNF384 | DEFB115 |
| STK17B | CDC25B | DEFB114 |
| SLC7A14 | DSTYK | DEFB113 |
| TRIM36 | NME4 | DEFB112 |
| GPR62 | UNC13A | DEFB110 |
| SYNJ2 | AGAP2 | TMSB15B |
| EFNA2 | KIF5C | DEFB133 |
| LRFN2 | PHLPP2 | S100Z |
| PRRG3 | FAAH | MAVS |
| SELE | IGFBP4 | TMSB4XP8 |
| FOSB | YIF1A | S100A14 |
| MEX3A | PPWD1 | LCN10 |
| TRIM59 | TBC1D30 | S100A16 |
| CPNE4 | RNF41 | DEFB136 |
| SMOC1 | QDPR | DEFB135 |
| BHLHE22 | NAP1L3 | DEFB117 |
| ADAMTS1 | MED12 | ZC3HAV1L |
| PRR18 | TLN1 | S100A7L2 |
| FCGBP | ATAD2B | MBL3P |
| LPAR1 | MAPK10 | DEFB4B |
| VEPH1 | LZTS3 | BPIFB4 |
| RNF157-A | NCKAP1L | IFNAR1 |
| SEC14L5 | SEC23A | AZU1 |
| SLITRK4 | RNF11 | DEFB131B |
| CALB1 | PVRL2 | DEFA1A3 |
| CACNA2D | SLC4A2 | LCN1P1 |
| MACROD2 | CLN3 | S100G |
| ABCA1 | YWHAB | DEFA7P |

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| EPHX4 | ANXA11 | DEFB130B |
| LOC28514 | PRNP | DEFB108F |
| TSPAN11 | PAPOLA | DEFB131C |
| DUSP2 | LARGE | TCHHL1 |
| LINC00460 | PDLIM5 | TINAGL1 |
| ENPP2 | MAPK6 | IFNGR1 |
| LOC38983 | PTTG1IP | SLC22A17 |
| CPEB1 | CAPN2 | WFIKKN1 |
| SIX1 | DLX2 | WFDC2 |
| IPCEF1 | SERINC3 | IL6 |
| E2F8 | SSX2IP | UMODL1 |
| HS6ST3 | TRIM2 | TGFB1 |
| SYT16 | APBB1 | PF4V1 |
| NTN1 | STK10 | MMP9 |
| CDKN2B | SALL2 | ANOS1 |
| AF070581 | ELAVL4 | TLR4 |
| FKBP10 | CDK14 | SPAG11B |
| CCDC167 | SLC27A2 | A2M |
| GRM5 | SEPT8 | NFKB1 |
| PCTP | GNAQ | APOBEC3G |
| ANK3 | EFS | NOD2 |
| LOC28617 | NUMA1 | MBL2 |
| CLDN10 | TRIM37 | SFTPA1 |
| FBXW7 | | RBP1 |
| LOC100506731 | | TLR2 |
| KIAA1211L | | SLC40A1 |
| EEF1A2 | | PLAU |
| ASIC4 | | IL1B |
| LINC00645 | | PAEP |
| NUAK1 | | HJV |
| C7orf57 | | MUC5AC |
| RIMS1 | | OBP2A |
| CDH9 | | PLTP |
| SLC26A4 | | MX1 |
| COX7A1 | | DDX58 |
| SIX4 | | IFNL1 |
| TMEM132D | | IRF3 |
| PPFIA4 | | SFTPA2 |
| RPRML | | LPA |
| TUBB4A | | LBP |
| HMGCLL1 | | NOX4 |
| ZIC1 | | LTF |
| LRRC2 | | IFNB1 |
| ADAMTS6 | | RBP5 |
| OR2L13 | | FABP7 |
| RALYL | | FABP5 |

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| CLEC2L | FABP2 |
| LINC01279 | FABP4 |
| TMEM38A | R3HDML |
| CSRP2 | BPIFA3 |
| RBM24 | BPIFB1 |
| LOC100129973 | OASL |
| COL26A1 | CRABP2 |
| NCEH1 | CRABP1 |
| CYP46A1 | RBP7 |
| VANGL2 | DUOX1 |
| STPG1 | OBP2B |
| NUSAP1 | RBP2 |
| ENTPD3 | LCN15 |
| DDIT4 | CETP |
| SLC32A1 | FABP12 |
| GABRA4 | FABP9 |
| EPB41L4B | BPIFA1 |
| EPB41L3 | LCNL1 |
| NSUN7 | C8G |
| PLEKHH3 | SPAG11A |
| STMN4 | PI15 |
| NINJ2 | NOX1 |
| BUB1 | PMP2 |
| TMEM56 | APOD |
| AHNAK2 | ORM2 |
| DNAJC6 | ORM1 |
| HMX1 | TNF |
| SOX6 | CTSG |
| ASPA | PRTN3 |
| MRAP2 | PML |
| LINC00086 | AEN |
| MCTP1 | CYBB |
| BOK | BPIFA2 |
| CLSTN2 | ISG20 |
| CHN2 | BCL3 |
| LINC00836 | NOX5 |
| TSPYL5 | NOX3 |
| FRMPD4 | DUOX2 |
| DLGAP5 | TLR3 |
| BEST3 | TFRC |
| NT5DC2 | IFIH1 |
| CYP26A1 | LRP1 |
| PPP1R14A | TRIM5 |
| KCNA4 | IDO1 |
| ST8SIA3 | GDF15 |
| PRO1082 | ADIPOQ |

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| ELOVL4 | STAT3 |
| LINGO2 | STAT1 |
| DOK6 | IFNL2 |
| NGEF | SOCS3 |
| SELL | SEMG1 |
| KCNQ5 | TNFSF10 |
| RYR3 | CCL20 |
| ABCA5 | SOCS1 |
| SLITRK1 | RNASEL |
| RP4-593C16.3 | IRF1 |
| GALNT14 | IL15 |
| SRCIN1 | APOBEC3F |
| C1orf192 | PLAAT4 |
| FKBP1B | CHIT1 |
| DCTN1-AS1 | CD40 |
| P2RX5 | TLR7 |
| SYTL4 | PPIA |
| RP3-406A7.7 | ZYX |
| NDFIP2 | NLRX1 |
| RTN4RL1 | PGC |
| NUF2 | VEGFA |
| UNC5A | IKBKE |
| RERG | ISG15 |
| ID4 | DHX58 |
| NPAS1 | TNFAIP3 |
| F5 | TFR2 |
| 44259 | FCN2 |
| PPP1R14B | MUC4 |
| PRKX | ELN |
| LHFPL3 | IL27 |
| FAM110C | MAPT |
| LOC101927988 | LYZ |
| CPLX1 | CCL5 |
| LNX1 | LEP |
| L1CAM | CYLD |
| REPS2 | KLKB1 |
| ADRA1B | CST4 |
| SH2D5 | CSRP1 |
| STXBP5 | MAPK14 |
| HOXA10 | JUN |
| BOC | ITGAV |
| MAG | IRF5 |
| RAB27B | CCR6 |
| LRTM2 | IL12B |
| PCDHGA10 | TLR8 |
| STYK1 | GNLY |

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| FANCE | CD81 |
| TSPAN6 | EIF2AK2 |
| LMNB1 | APOM |
| CRISPLD1 | CACYBP |
| CCDC3 | NOD1 |
| ACTR3C | MAPK8 |
| FHL2 | MAPK3 |
| YJEFN3 | BST2 |
| CCDC68 | BPHL |
| KIAA1324 | PLA2G2A |
| KCNAB1 | GRN |
| OPCML | NEWENTRY |
| PCP4L1 | PDGFRA |
| TNIP3 | GNAI1 |
| CDK5R2 | WNT5A |
| CLMN | FURIN |
| CBR1 | ADAR |
| MCM5 | TYK2 |
| NIPAL2 | NOS2 |
| CAMK4 | TRAF3 |
| CELF5 | TPT1 |
| C1QL1 | TPM2 |
| CKAP2L | NEO1 |
| PRKCD | AHNAK |
| PLLP | TLR1 |
| CHAC1 | TK2 |
| TMEM200A | PRDX2 |
| ZNF560 | MX2 |
| EXTL1 | FGF2 |
| LOC100506563 | FGA |
| FAM84B | TCF7L2 |
| SLC22A15 | F2RL1 |
| MEG3 | TKFC |
| BDKRB2 | MSR1 |
| KIAA1598 | NFKBIZ |
| LINC00320 | LMBR1 |
| ADAMTS19 | EPPIN |
| PPP1R14C | SRC |
| TNNT1 | MPO |
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