Supplement 3: The complete list of excluded genes

AAGAB, ABCA5, ABCB1, ABCB11, ABCB6, ABCC11, ABCC6, ABCC8, ABCC9, ABCD4, ABCG8, ABHD5, ABL1, ABL2, ABO, ABRAXAS1, ACAD8, ACAD9, ACADM, ACADVL, ACAN, ACAT1, ACD, ACE, ACHE, ACOX1, ACP5, ACTA2, ACTB, ACTC1, ACTG1, ACTG2, ACTN2, ACVR1, ACVR1B, ACVR2A, ACVRL1, ADA, ADA2, ADAM17, ADAMTS13, ADAMTS3, ADAR, ADCY3, ADCY5, ADCY6, ADCY9, ADH1C, AF10, AF17, AF1Q, AF9, AFAD, AFF1, AFF3, AFF4, AFG3L2, AFP, AGA, AGAP2, AGGF1, AGL, AGR2, AHCY, AHI1, AICDA, AIFM1, AIM2, AIP, AK1, AK2, AKAP9, AKIP1, AKP13, AKT1, AKT2, AKT3, ALAD, ALB, ALDOA, ALG12, ALG14, ALG9, ALK, ALMS1, ALOX12B, ALX1, ALX3, ALX4, AMACR, AMER1, ANAPC1, ANCHR, ANG, ANK1, ANKRD1, ANKRD26, ANOS1, ANTXR1, ANTXR2, AP2S1, AP3B1, AP3D1, AP4M1, APAF1, APC, APC2, APOB, APOE, APP, APPL1, AR, ARAF, ARF, ARHG2, ARHG5, ARHG8, ARHGAP26, ARHGAP31, ARHGC, ARI3B, ARID1A, ARID1B, ARL13B, ARL3, ARL6, ARMC5, ARSA, ARSE, ARX, ASAH1, ASC, ASCC1, ASCL1, ASPC1, ASPSCR1, ASS1, ASXL1, ATM, ATN1, ATP6AP2, ATP6V1B2, ATP7A, ATP7B, ATR, ATRX, ATXN1, ATXN2, ATXN3, AURKA, AURKC, AVP, AXIN1, AXIN2, AXL, B2M, B3GALT6, B3GLCT, B9D1, BAG3, BANP, BAP1, BARD1, BAX, BAZ1B, BBS1, BBS10, BCAM, BCAS3, BCAS4, BCHE, BCL10, BCL11A, BCL2, BCL2L1, BCL2L11, BCL2L2, BCL3, BCL6, BCL9, BCOR, BCORL1, BCR, BDNF, BICC1, BIN1, BLK, BLM, BLNK, BLOC1S6, BMI1, BMP15, BMP2, BMP7, BMPER, BMPR1A, BMPR1B, BOC, BOLA3, BPGM, BRAF, BRAT1, BRCA1, BRCA2, BRCC3, BRD7, BRI3B, BRIP1, BRMS1, BTG1, BTK, BTKL, BUB1, BUB1B, C1S, C2CD3, C3, C5, C6, C7, C9orf72, CA2, CA4, CACNA1G, CACNA1S, CADM1, CADM4, CALM1, CALM3, CALR, CAMKMT, CAPN3, CARD11, CARD14, CARD9, CARMIL2, CASK, CASP10, CASP12, CASP2, CASP8, CASR, CAT, CAVIN1, CAVN3, CBFB, CBL, CC2D2A, CCAR2, CCBE1, CCDC22, CCDC28B, CCDC6, CCL2, CCM2, CCN3, CCN4, CCND1, CCNL1, CCR5, CD19, CD247, CD27, CD3D, CD3E, CD3G, CD4, CD40, CD40LG, CD44, CD46, CD55, CD59, CD70, CD74, CD79A, CD79B, CD81, CD8A, CD96, CDAN1, CDC42, CDC6, CDC73, CDH1, CDH23, CDH3, CDH5, CDK4, CDK6, CDK7, CDKA1, CDKL5, CDKN1A, CDKN1B, CDKN1C, CDKN2A, CDKN2, CDKN2B, CDKN2C, CDN1B, CDN1C, CDN2A, CDN2B, CDN2D, CDON, CDT1, CEBPA, CEBPE, CEL, CENPW, CEP1, CEP290, CEP41, CEP57, CFH, CFHR1, CFI, CFTR, CHD5, CHD7, CHEK1, CHEK2, CHIC2, CHK2, CHMP2B, CHRNG, CHST3, CIB1, CIC, CIITA, CISD2, CJ090, CLCN7, CLCNKB, CLDN1, CLIP2, CLN3, CLN5, CLN6, CLN8, CLU, CMC4, CMPK1, CNBP, COG1, COG4, COG6, COG7, COL11A2, COL18A1, COL1A1, COL2A1, COL4A1, COL4A5, COL4A6, COL6A3, COL7A1, COL8A2, COLEC11, COMP, COMT, COQ2, COQ8A, CORO1A, COX15, COX4I1, COX7B, CP, CPLANE1, CPLX1, CPOX, CPT2, CR2, CR3L2, CRBL2, CRBN, CRCM, CREB1, CREBBP, CRK, CRKL, CRYAB, CSF1, CSF1R, CSF2RA, CSF2RB, CSF3R, CSK23, CSMD3, CSRP3, CTBP1, CTC1, CTCF, CTCFL, CTH, CTHRC1, CTLA4, CTNNA1, CTNNA3, CTNNB1, CTNS, CTPS1, CTRC, CTSA, CTSB, CTSC, CTSD, CTSK, CUL3, CUL4B, CXCR4, CYB5A, CYBA, CYBB, CYLD, CYP11A1, CYP11B1, CYP11B2, CYP19A1, CYP1B1, CYP21A2, CYP26C1, CYP2A6, CYP2C19, CYP2D6, CYP2E1, CYTSB, DAB2, DAB2P, DAPK3, DCC, DCLRE1C, DCNL1, DCTN1, DDB2, DDIT3, DDR2, DDX3X, DDX41, DDX6, DEC1, DEK, DEMA, DES, DGCR2, DGKE, DGUOK, DHCR24, DHCR7, DHH, DHODH, DHX37, DI3L2, DIABLO, DICER1, DIS3L2, DKC1, DLAT, DLC1, DLD, DLEC1, DLL1, DLL3, DLST, DMBT1, DMD, DMPK, DMRT1, DMTF1, DNAH11, DNAJC21, DNAJC5, DNASE1, DNASE1L3, DNM1L, DNM2, DNMT1, DNMT3A, DNMT3B, DOCK4, DOCK6, DOCK8, DOLK, DOT1L, DPAGT1, DPH1, DPM1, DPM2, DPY19L2, DPYD, DSG2, DSP, DST, DVL1, DVL3, DYM, DYNC2H1, DYNC2LI1, DYRK1A, DYSF, DZIP1L, E2F1, E2F4, E2F5, E41L3, EARS2, EBP, ECE1, ECM1, ECT2, EDA, EDARADD, EDN1, EDN3, EDNRB, EFL1, EFNA1, EFNB1, EGF, EGFR, EGLN1, EHHADH, EHMT1, EIF2AK3, EIF2AK4, EIF2B1, EIF2B2, EIF2B3, EIF2B4, EIF2B5, EIF4E, EIF4G1, ELANE, ELF4, ELL, ELMO2, ELN, EME1, ENG, ENL, ENPP1, ENTP5, EP300, EPAS1, EPB41, EPB42, EPCAM, EPHA2, EPHA3, EPHA7, EPHB2, EPHB6, EPO, EPOR, EPS15, ERBB2, ERBB3, ERBB4, ERCC1, ERCC2, ERCC3, ERCC4, ERCC5, ERCC6, ERCC8, ERG, ERRFI, ERRFI1, ESCO2, ESR1, ESR2, ESS2, ETFA, ETFB, ETFDH, ETS1, ETS1A, ETS1B, ETS2, ETV1, ETV4, ETV6, EVC, EVC2, EVI2A, EVI2B, EWS, EWSR1, EXO1, EXOC6B, EXT1, EXT2, EXTL3, EYA1, EZH2, F10, F11, F12, F120A, F13A1, F13B, F2, F210B, F5, F7, F8, F9, FA83A, FA83B, FA83D, FADD, FAH, FAM111B, FAM149B1, FAM20C, FAN1, FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, FARS2, FAS, FASLG, FAT4, FBN1, FBXO7, FBXW11, FBXW7, FCG2B, FCGR2A, FCGR2B, FCN3, FDPS, FECH, FER, FERMT1, FERMT3, FES, FGF10, FGF14, FGF23, FGF3, FGF4, FGF5, FGF6, FGF8, FGF9, FGFR1, FGFR2, FGFR3, FGFR4, FGFRL1, FGR, FH, FHIT, FHL2, FIBP, FIG4, FIP1L1, FKTN, FLCN, FLI1, FLNA, FLNB, FLT1, FLT3, FLT4, FMO3, FMR1, FN1, FOLH1, FOLR1, FOS, FOSL2, FOXA2, FOXC2, FOXE1, FOXE3, FOXF1, FOXG1, FOXI1, FOXL2, FOXN1, FOXO1, FOXO3, FOXO4, FOXP1, FOXP3, FOXRED1, FRAS1, FRAT1, FREM2, FRK, FSHB, FSHR, FSTL3, FTCD, FUCA1, FUMH, FUS, FUT8, FUZ, FXN, FYN, FYNA, FYNB, FZD2, FZD3, FZD4, FZD6, FZD9, G6PC1, G6PC3, G6PD, GABRA6, GABRD, GAD1, GADD45A, GALNT12, GALT, GAN, GANAB, GAS7, GATA1, GATA2, GATA3, GATA4, GATA6, GATAD1, GATM, GBA, GCDH, GCK, GCLC, GCM2, GDF2, GDF5, GDNF, GFI1, GFI1B, GIGYF2, GINS1, GJA1, GJB2, GJB3, GJB4, GJB6, GJC2, GK, GLA, GLB1, GLE1, GLI1, GLI2, GLI3, GLIS2, GLRX5, GNA11, GNAI3, GNAQ, GNAS, GNAS2, GNB1, GNE, GNPTAB, GNRH1, GNRHR, GNS, GP15L, GP1BA, GP9, GPC3, GPC4, GPC6, GPI, GPR101, GPR143, GPS2, GREM1, GREM1, GRHL2, GRIP1, GRN, GRP1, GRPR, GSDME, GSR, GSS, GSTM1, GSTP1, GSTT1, GTF2E2, GTF2H5, GTF2I, GTF2IRD1, GUAA, GUCY2C, GYG1, GYPC, H19, H19-ICR, HABP2, HACE1, HADH, HADHA, HAL, HAND2, HAX1, HBB, HCK, HDAC4, HDAC8, HESX1, HFE, HGF, HGSNAT, HIBCH, HIC1, HIF1A, HIF3A, HIP1, HIPK2, HK1, HLA-DRB1, HLF, HMBS, HMGA2, HMGCL, HMMR, HMOX1, HNF1A, HNF1B, HNF4A, HOP, HOXA1, HOXA11, HOXB13, HOXB13, HOXD13, HP, HPGD, HPS6, HR, HRAS, HSD17B10,

HSD17B3, HSD17B4, HSD3B1, HSD3B2, HSD3B7, HSP90AA1, HSPA9, HSPG2, HTAI2, HTRA2, HTT,
HXA9, HYLS1, IASPP, ICK, ICOS, ID3, IDH1, IDH2, IDS, IDUA, IFIH1, IFIX, IFNG, IFNGR1, IGF1, IGF1R,
IGF2, IGF2R, IGHM, IGHMBP2, IGLL1, IHH, IKBKB, IKBKG, IKZF1, IL12RB1, IL13, IL1B, IL1RN, IL2,
IL21R, IL2RA, IL2RG, IL3, IL36RN, IL4R, IL6, IL6R, IL6ST, IL7, IL7R, ILK, ING1, ING4, INPP5E, INS, INSR,
INTU, IRAK4, IRF1, IRF4, IRF5, IRS1, IRS2, ISCU, ITCH, ITGA3, ITGA9, ITGB2, ITGB3, ITGB6, ITK,
ITM2B, ITPR1, IVD, IVNS1ABP, JAG1, JAK2, JAK3, JAZF1, JMJD1C, JUN, KANK1, KANSL1, KARS1,
KAT6A, KAT6B, KCD11, KCD21, KCNA1, KCNE3, KCNH1, KCNJ1, KCNJ10, KCNJ11, KCNN3, KCNQ1,
KCNQ1OT1, KCNQ2, KCNT1, KCTD6, KCTD7, KDM5A, KDM5C, KDM6A, KDM6B, KDR, KDSR, KEL,
KERA, KIAA0753, KIF11, KIF1B, KIF7, KISS1, KISS1R, KIT, KITLG, KL, KLF11, KLF6, KLHDC8B,
KLHL10, KLHL7, KLK10, KLLN, KMT2A, KMT2D, KPCA, KPCD, KPCI, KRAS, KRIT1, KRT1, KRT10,
KRT14, KRT16, KRT17, KRT5, KRT6A, KRT6B, KRT9, KS6A2, L1CAM, L2GL, L2HGDH, LACTB, LAMA2,
LAMA3, LAMA4, LAMB3, LAMC2, LAMTOR2, LAS1L, LATS1, LATS2, LBR, LCAT, LCK, LDB3, LEMD3,
LEP, LEPR, LETM1, LEU1, LGR6, LHB, LHCGR, LHX4, LIFR, LIG4, LIMD1, LIMK1, LIN9, LIPA, LIPH, LIPI, LMBRD1,
LMNA, LMNB1, LMNB2, LMX1B, LOR, LOX, LPA, LPIN2, LPP, LRBA, LRP1, LRP1B,
LRP5, LRP6, LRPPRC, LRRC8A, LRRK2, LTMD1, LYL1, LYN, LYST, LZTR1, LZTS1, M3K8, MAD1L1,
MAD2L2, MADD, MAF, MAFA, MAFB, MAGI2, MAGT1, MALT1, MAML2, MAN1B1, MAN2B1, MAP2K1,
MAP2K2, MAP2K4, MAP3K1, MAP3K14, MAP3K8, MAPK1, MAPK5, MAPRE2, MAPT, MAS, MASP1,
MAX, MBD1, MBTPS2, MC1R, MC2R, MCC, MCF2, MCF2L, MCM4, MCM5, MCM6, MCOLN1, MCPH1,
MCTS1, MDH2, MDM2, MDM4, MDS2, MECOM, MECP2, MED12, MEFV, MEGF8, MEIS1, MEN1, MERL,
MERTK, MEST, MET, MFF, MFHA1, MFN2, MGAT2, MGMT, MINPP1, MIP, MITF, MKKS, MKS1, MLH1,
MLH1, MLH3, MLLT10, MLPH, MLXIPL, MMAA, MMAB, MMACHC, MMADHC, MME, MMEL1, MMP1,
MMP2, MN1, MNX1, MOCS1, MOCS2, MOG, MOGS, MOS, MPI, MPL, MPLKIP, MPO, MRAP, MRE11,
MRE11A, MRPS22, MRTFA, MS4A1, MS4A2, MSH2, MSH3, MSH6, MSL3, MSR1, MST1, MST1R, MSTO1,
MSX2, MTAP, MTCP1, MTFMT, MTG8, MTHFD1, MTM1, MTMR14, MTOR, MTR, MTRR, MTSS1, MTUS1,
MUC1, MUC5B, MUS81, MUT, MUTYH, MVD, MVK, MXI1, MYB, MYBPC3, MYC, MYC2, MYCA, MYCB,
MYCN, MYD88, MYEOV, MYH11, MYH14, MYH6, MYH7, MYH8, MYH9, MYLK, MYO5A, MYPN, MYSM1,
NAA10, NAA80, NAGS, NARS2, NAT1, NAT2, NBEAL2, NBL1, NBN, NCF2, NCF4, NCOA1, NCOA4, NCSTN,
ND5, NDP, NDRG1, NDRG2, NDUFA1, NDUFA10, NDUFA11, NDUFA12, NDUFA13, NDUFA2, NDUFA4,
NDUFA6, NDUFA9, NDUFAF1, NDUFAF3, NDUFAF4, NDUFAF5, NDUFAF6, NDUFB3, NDUFB9,
NDUFS1, NDUFS2, NDUFS3, NDUFS4, NDUFS6, NDUFS7, NDUFS8, NDUFV1, NDUFV2, NEB, NEBL,
NECTIN1, NEFH, NEK1, NEK9, NEUL1, NEUROD1, NEUROG3, NEXN, NF1, NF2, NFIX, NFKB1, NFKB2,
NFKBIA, NFU1, NGF, NGLY1, NGP, NHEJ1, NHP2, NIN, NIPBL, NKX2-1, NKX2-5, NKX31, NLRP1,
NLRP12, NLRP3, NME8, NNT, NOD2, NODAL, NOG, NOP10, NOP56, NOS1AP, NOTC4, NOTCH1,
NOTCH2, NOTCH3, NPC1, NPC2, NPHP1, NPM, NPM1, NPRL2, NQO2, NR0B1, NR1H4, NR3C1, NR4A2,
NR4A3, NR5A1, NRAS, NRG1, NRTN, NSD1, NSD2, NSD3, NSMF, NSUN2, NT5C3A, NT5E, NTHL1, NTHL1,
NTRK1, NTRK2, NTRK3, NU214, NUBPL, NUMA1, NUP214, NUP62, OAT, OBF1, OCA2, OCA2, OCRL,
OFD1, OGG1, OGR1, OLIG2, OLR1, OPCML, ORC1, ORC4, ORC6, OSTM1, OTC, OTX2, P53, P73,
PABPN1, PACS1, PAF1, PAK3, PALB2, PALB2, PALLD, PANO1, PARK7, PARN, PARP1, PATZ1, PAX2,
PAX3, PAX4, PAX5, PAX6, PAX7, PAX8, PB1, PBX1, PC, PCCA, PCCB, PCGF2, PCM1, PCNA, PDCD1,
PDCD10, PDCD4, PDE11A, PDE6D, PDGFB, PDGFD, PDGFRA, PDGFRA, PDGFRB, PDGFRL, PDHA1,
PDHB, PDHX, PDK1, PDP1, PDPK1, PDX1, PEBB, PEPD, PER1, PEX3, PEX5, PFKM, PGDH, PGFRA,
PGFRB, PGK1, PGM3, PGR, PHB, PHEX, PHF21A, PHF6, PHKA2, PHKG2, PHLA3, PHLP1, PHLP2,
PHOX2B, PICAL, PICALM, PIEZO2, PIGA, PIGL, PIGM, PIGN, PIGO, PIGV, PIK3CA, PIK3CB, PIK3CD,
PIK3R1, PIK3R2, PIK3R5, PIM1, PIM2, PIM3, PININ, PINX1, PK3CA, PKD1, PKD2, PKHD1, PKHG2,
PKHO1, PKLR, PLA2G2A, PLA2G6, PLA2G7, PLAG1, PLCB4, PLCD1, PLCG2, PLCZ1, PLEKHG5, PLK2,
PLP1, PLPP5, PML, PMM2, PMS1, PMS2, PMS2, PMVK, PNKP, PNP, PNPLA2, PNPLA6, PNPO, PNPT1,
POC1A, POLD1, POLE, POLG, POLG2, POLH, POLR1C, POLR1D, POLR3A, POMP, POR, PORCN,
POT1, POU1F1, POU5F1, POU6F2, PPARG, PPM1B, PPM1D, PPOX, PPP2R1B, PPP3CA, PPP3R1,
PRCC, PRDM16, PREPL, PRF1, PRKACA, PRKAR1A, PRKCD, PRKDC, PRKN, PRLR, PRNP, PROC,
PROK2, PROKR2, PROM1, PROP1, PROS1, PRPF8, PRPH, PRR5, PRSS1, PSAP, PSEN1, PSEN2,
PSENEN, PSMB8, PSMC3IP, PSTPIP1, PTC1, PTCH1, PTCH2, PTEN, PTEN , PTGS2, PTH, PTH1R,
PTPN1, PTPN11, PTPN12, PTPN22, PTPRC, PTPRJ, PTPRO, PTPRT, PTTG1, PTTG2, PTTG3, PUF60,
PYGL, QKI, RAB18, RAB27A, RAB3GAP2, RAB8A, RABL3, RAC1, RAC2, RAD21, RAD50, RAD51, RAD51B,
RAD51C, RAD51D , RAD52, RAD54B, RAD54L, RAF1, RAG1, RAG2, RAI1, RAI3, RALGDS, RANBP2,
RAP1A, RARA, RARB, RASA1, RASA2, RASF1, RASF2, RASF4, RASF5, RASGRP1, RASH, RASK, RASN,
RAX, RB, RB1, RB1CC1, RBBP8, RBCC1, RBL1, RBL2, RBM10, RBM15, RBM20, RBM28, RBMX, RBP56,
RBPJ, RBTN1, RBTN2, RD3, RECK, RECQL, RECQL4, REL, RELA, REN, RERE, RERG, REST, RET, RFC2,
RFT1, RFWD3, RFX5, RFXANK, RFXAP, RGS9, RGS9BP, RHAG, RHBDF2, RHG07, RHG20, RHG26, RHO,
RHOA, RHOB, RHOH, RIPK4, RIT1, RL35, RMRP, RN213, RNASEH2A, RNASEH2B, RNASEH2C, RNASEL,
RNF113A, RNF139, RNF168, RNF213, RNF43, RNF6, RNR1, RNZ2, ROM1, ROS1, RP1, RP2, RPA1, RPA4,
RPGRIP1L, RPL10, RPL11, RPL15, RPL18, RPL26, RPL27, RPL35, RPL35A, RPL5, RPS10, RPS14,
RPS15A, RPS17, RPS19, RPS20, RPS24, RPS26, RPS27, RPS28, RPS29, RPS6KA3, RPS7, RPTOR, RRAS,
RRAS2, RRM2B, RSLAA, RSPO1, RSPRY1, RTEL1, RUNX1, RYR1, SACS, SAG, SALL4, SAMD9, SAMD9L,
SAMHD1, SAR1B, SARS2, SASH1, SBDS, SC31A, SC5A8, SC5D, SCARB2, SCN10A, SCN11A, SCN1B,
SCN2A, SCN4A, SCN5A, SCN9A, SCO1, SCO2, SDHA, SDHA , SDHAF2, SDHB, SDHB , SDHC, SDHC ,
SDHD, SDHD , SEC23A, SEC23B, SEMA3A, SEMA3E, SEMA4A, SERPINA1, SERPINI1, SET, SETBP1,
SETD2, SETX, SF3B1, SF3B4, SFTPA2, SFTPC, SGCD, SGCG, SH2B1, SH2B3, SH2D1A, SH3G1, SH3GL1,

SH3KBP1, SH3PXD2B, SHANK3, SHH, SHOC2, SHOX, SI, SIK1, SIR4, SIX1, SIX3, SIX6, SKI, SKIV2L, SLC12A1, SLC12A3, SLC16A1, SLC17A5, SLC17A9, SLC19A3, SLC22A18, SLC22A5, SLC25A11, SLC25A13, SLC25A20, SLC25A22, SLC25A3, SLC25A4, SLC26A2, SLC26A4, SLC27A4, SLC29A3, SLC2A1, SLC2A2, SLC30A10, SLC34A1, SLC34A2, SLC35A1, SLC35C1, SLC37A4, SLC39A4, SLC3A1, SLC45A2, SLC46A1, SLC4A1, SLC4A4, SLC6A17, SLC6A8, SLC7A7, SLCO2A1, SLX4, SMAD2, SMAD3, SMAD4, SMAD4 , SMAD7, SMARCA2, SMARCA4, SMARCA4 , SMARCAD1, SMARCAL1, SMARCB1, SMARCD2, SMARCE1, SMC1A, SMC3, SMCHD1, SMN2, SMO, SMPD1, SMS, SMUG1, SNAI2, SNCA, SNCAIP, SNF5, SOD1, SOS1, SOS2, SOX10, SOX2, SOX3, SOX6, SOX9, SP110, SPATA16, SPEF2, SPG7, SPI1, SPINK1, SPINK5, SPN90, SPP1, SPR, SPRED1, SPRTN, SPRY2, SPRY4, SPTA1, SPTB, SPZ1, SQSTM1, SRC, SRC64, SRD5A3, SREBF1, SRGAP1, SRP54, SRP72, SRY, SSTR5, SSX1, SSX2, SSXT, ST20, STA13, STAC3, STAG3, STAR, STAT1, STAT3, STAT4, STAT5B, STIL, STIM1, STK, STK11, STK36, STK4, STRADA, STS, STX11, STXBP1, STXBP2, STYK1, SUCLA2, SUCLG1, SUFU, SURF1, SUSD2, SUSD6, SUZ12, SYCC, SYCP3, SYK, SYNE1, SYNP2, SYP, T53I1, TAC3, TACO1, TACR3, TACSTD2, TAF1, TAF15, TAF1L, TAL1, TAL2, TALDO1, TARDBP, TARS1, TAT, TBC1D24, TBC3A, TBCE, TBK1, TBL1XR1, TBP, TBRG1, TBX1, TBX18, TBX2, TBX22, TBX3, TBXAS1, TBXT, TCAP, TCF3, TCF4, TCF7L1, TCF7L2, TCHP, TCIRG1, TCL1A, TCL1B, TCN1, TCN2, TCOF1, TCP1L, TCTA, TCTN1, TCTN2, TCTN3, TDP1, TECTA, TEK, TERC, TERT, TET1, TET2, TF, TFAP2A, TFAP2B, TFE2, TFE3, TFG, TFPT, TFR2, TFRC, TG, TGFB1, TGFB2, TGFB3, TGFBR1, TGFBR2, TGIF1, TH, THA, THBD, THBS1, THOC2, THPO, THRA, TICAM1, TIF1A, TIMM8A, TIMP3, TINF2, TJP2, TK2, TLR2, TLR3, TLR4, TLX1, TM127, TMC6, TMC8, TMCO1, TMEM107, TMEM127, TMEM138, TMEM216, TMEM231, TMEM237, TMEM67, TMEM70, TMPO, TNFRSF10B, TNFRSF11A, TNFRSF11B, TNFRSF13B, TNFRSF13C, TNFRSF1A, TNFRSF1B, TNFRSF4, TNFSF11, TNNC1, TNNI3, TNNT2, TNPO3, TNR17, TOP1, TOP2A, TP4A3, TP53, TP63, TPM1, TPM3, TPP1, TPR, TRADD, TRAF3, TREM2, TREX1, TRI27, TRI37, TRIM24, TRIM33, TRIM37, TRIO, TRIP11, TRIP13, TRMU, TRNF, TRNK, TRNL1, TRNP, TRNQ, TRNS1, TRNS2, TRPS1, TRPV3, TRRAP, TSC1, TSC1, TSC2, TSEN54, TSFM, TSHR, TSR2, TTC37, TTI2, TTN, TUB, TUBB, TUSC2, TWIST1, TWIST2, TXNIP, TXNRD2, TYK2, TYMP, TYR, TYRO3, TYROBP, UBA1, UBE2A, UBE2T, UBP4, UBP6, UBQLN2, UBR1, UCP2, UFD1, UFO, UGT1A1, UIMC1, UMPS, UNC119, UNC13D, UNC93B1, UNG, UROD, UROS, USB1, USP1, USP8, USP9X, UVSSA, VAMP7, VANGL1, VANGL2, VAV, VCL, VCP, VDR, VEGFA, VEGFC, VHL, VIPAS39, VMA5A, VPS13B, VPS33B, VPS35, VRK1, VSX1, VWA5A, WARTS, WAS, WASHC5, WDPCP, WDR11, WDR19, WHCR, WIPF1, WNT1, WNT10A, WNT3, WNT5A, WNT7A, WRAP53, WRN, WT1, WT1A, WT1B, WWOX, WWTR1, XAF1, XIAP, XMRK, XPA, XPC, XRCC1, XRCC2, XRCC3, XRCC4, XRN1, YAP1, YES, YRK, YWHAE, YY1, ZAP70, ZBT16, ZBT7C, ZBTB16, ZBTB24, ZCCHC8, ZDH17, ZEB1, ZEB2, ZFHX3, ZFPM2, ZIC2, ZMPSTE24, ZMY11, ZMYM3, ZN320, ZN521, ZNF335, ZNF423, ZSWIM6.