



KLINICKÝ EXOM - SEZNAM GENŮ

CYP17A1, CYP19A1, CYP1A1, CYP1A2, CYP1B1, CYP21A2, CYP24A1, CYP26A1, CYP26B1, CYP26C1, CYP27A1, CYP27B1, CYP2A13, CYP2A7, CYP2B6, CYP2C18, CYP2C19, CYP2C8, CYP2C9, CYP2D6, CYP2E1, CYP2F1, CYP2G1P, CYP2J2, CYP2R1, CYP2S1, CYP2U1, CYP2W1, CYP3A1, CYP3A4, CYP3A43, CYP3A5, CYP3A7, CYP3A7-CYP3AP1, CYP46A1, CYP4A11, CYP4A22, CYP4B1, CYP4F11, CYP4F12, CYP4F2, CYP4F22, CYP4F3, CYP4F8, CYP4V2, CYP4Z1, CYP5A1, CYP7A1, CYP7B1, CYP8B1, CYSLTR1, CYSLTR2, D2HGDH, DAAM2, DAB2, DACT1, DAG1, DAO, DAOA, DAOA-AS1, DAPK1, DARS, DARS2, DAZL, DBH, DBH-AS1, DBI, DBIL5P, DBT, DCAF13, DCAF17, DCBLD1, DCC, DCDC2, DCHS1, DCHS2, DCK, DCLK1, DCLRE1C, DCN, DCP1B, DCTD, DCTN1, DCTN1-AS1, DCX, DCXR, DDAH1, DDAH2, DDB1, DDB2, DDC, DDHD1, DDHD2, DDI2, DDIT3, DDO, DDOST, DDR1, DDR2, DDX20, DDX25, DDX39B, DDX3Y, DDX5, DDX53, DDX58, DDX59, DEAF1, DEAR, DEC1, DECR1, DEFB1, DEFB126, DES, DFNA5, DFNB31, DFNB59, DGAT1, DGCR14, DGCR2, DGCR5, DGCR6, DGCR8, DGKD, DGKE, DGKK, DGUOK, DGUOK-AS1, DHCR24, DHCR7, DHDDS, DHFR, DHH, DHODH, DHRS1, DHRS2, DHRS3, DHRS4, DHRS4-AS1, DHRS4L1, DHRS4L2, DHRS7, DHRS7C, DHRS9, DHTKD1, DHX16, DHX36, DHX37, DHX9, DIABLO, DIAPH1, DIAPH2, DIAPH3, DIAPH3-AS1, DICER1, DIO1, DIO2, DIO2-AS1, DIP2A, DIP2B, DIP2C, DIRC2, DIS3L2, DISC1, DISC2, DISP1, DKC1, DKFZP434H168, DKK1, DKK2, DKK3, DLAT, DLC1, DLD, DLEC1, DLG1, DLG3, DLG4, DLG5, DLGAP2, DLGAP3, DLL1, DLL3, DLST, DLX2, DLX3, DLX5, DLX6, DMBT1, DMC1, DMD, DMGDH, DMP1, DMPK, DMRT1, DMRT2, DMTF1, DMXL1, DNA2, DNAAF1, DNAAF2, DNAAF3, DNAH11, DNAH2, DNAH5, DNAH8, DNAH9, DNAI1, DNAI2, DNAJA4, DNAJB2, DNAJB6, DNAJC19, DNAJC5, DNAJC6, DNAL1, DNASE1, DNASE1L1, DNASE1L3, DNASE2, DND1, DNM1, DNM1L, DNM2, DNMT1, DNMT3A, DNMT3B, DNMT3L, DOC2A, DOCK3, DOCK4, DOCK6, DOCK8, DOCK9, DOK1, DOK7, DOLK, DPAGT1, DPEP1, DPM1, DPM2, DPM3, DPP10, DPP6, DPY19L2, DPYD, DPYD-AS1, DPYS, DPYSL2, DRC1, DRD1, DRD2, DRD3, DRD4, DRD5, DRG1, DROSHA, DRP2, DSC2, DSC3, DSCAM, DSCR8, DSE, DSG1, DSG2, DSG4, DSP, DSPP, DST, DSTYK, DTD1, DTHD1, DTNA, DTNBP1, DUOX1, DUOX2, DUOXA1, DUOXA2, DUS2, DUS4L, DUSP23, DUSP6, DXO, DYM, DYNC1H1, DYNC2H1, DYRK1A, DYSF, DYX1C1, DYX1C1-CCPG1, EARS2, EBAG9, EBP, ECE1, ECEL1, ECHS1, ECI1, ECM1, ECM2, ECSIT, EDA, EDA2R, EDAR, EDARADD, EDN1, EDN2, EDN3, EDNRA, EDNRB, EDRF1, EEF1A2, EEF1B2, EEF2, EEF2K, EFCAB5, EFEMP1, EFEMP2, EFHC1, EFHC2, EFNA4, EFN1, EFR3A, EFTUD2, EGF, EGFR, EGFR-AS1, EGLN1, EGLN2, EGR2, EGR3, EHD2, EHHADH, EHMT1, EHMT2, EIF2AK3, EIF2AK4, EIF2B1, EIF2B2, EIF2B3, EIF2B4, EIF2B5, EIF2S2, EIF2S3, EIF3H, EIF4E, EIF4G1, EIF4G3, ELAC2, ELANE, ELAVL2, ELF4, ELK1, ELL, ELN, ELOVL4, ELP2, ELP4, EMC1, EMC4, EMD, EME1, EME2, EMG1, EMX2, EN2, ENAM, ENG, ENO1, ENO3, ENOSF1, ENPP1, ENSA, ENTPD1, ENTPD1-AS1, EOMES, EP300, EPAS1, EPB41, EPB41L1, EPB42, EPC2, EPCAM, EPG5, EPHA2, EPHA3, EPHA5, EPHA7, EPHB2, EPHB6, EPHX1, EPHX2, EPM2A, EPO, EPOR, EPPK1, EPX, ERAP1, ERAP2, ERBB2, ERBB3, ERBB4, ERCC1, ERCC2, ERCC3, ERCC4, ERCC5, ERCC6, ERCC6-PGBD3, ERCC8, ERF, ERI2, ERLIN2, ERMAP, ESAM, ESCO2, ESPN, ESR1, ESR2, ESRRB, ESRRG, ETFA, ETFB, ETFDH, ETHE1, ETNPPL, ETS1, ETV1, ETV6, EVC, EVC2, EVI5, EWSR1, EXO1, EXO5, EXOC4, EXOSC3, EXOSC5, EXPH5, EXT1, EXT2, EXTL3, EYA1, EYA4, EYS, EZH1, EZH2, F10, F11, F11-AS1, F12, F13A1, F13B, F2, F2R, F2RL1, F3, F5, F7, F8, F9, FA2H, FAAH, FAAH2, FABP1, FABP2, FABP3, FABP4, FABP6, FABP7, FADD, FADS1, FADS2, FAH, FAM104A, FAM111A, FAM111B, FAM120A, FAM120AOS, FAM126A, FAM134B, FAM161A, FAM161B, FAM175A, FAM189A2, FAM205A, FAM20A, FAM20C, FAM212B, FAM213B, FAM228B, FAM58A, FAM83H, FAM8A1, FAM91A1, FAN1, FANCA, FANCB, FANCC, FANCD2, FANCD2OS, FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, FARS2, FAS, FASLG, FASN, FASTKD2, FASTKD3, FAT4, FBLIM1, FBLN1, FBLN5, FBN1, FBN2, FBN3, FBP1, FBP2, FBXL4, FBXL6, FBXO10, FBXO11, FBXO18, FBXO38, FBXO7, FBXW11, FBXW4, FBXW7, FCAR, FCER1A, FCER2, FCGR2A, FCGR2B, FCGR3A, FCGR3B, FCGR3C, FCGR3D, FCGR3E, FCGR3F, FCGR3G, FCGR3H, FCGR3I, FCGR3J, FCGR3K, FCGR3L, FCGR3M, FCGR3N, FCGR3O, FCGR3P, FCGR3Q, FCGR3R, FCGR3S, FCGR3T, FCGR3U, 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FCGR3VG, FCGR3VH, FCGR3VI, FCGR3VJ, FCGR3VK, FCGR3VL, FCGR3VM, FCGR3VN, FCGR3VO, FCGR3VP, FCGR3VQ, FCGR3VR, FCGR3VS, FCGR3VT, FCGR3VU, FCGR3VV, FCGR3VW, FCGR3VX, FCGR3VY, FCGR3VZ, FCGR3WA, FCGR3WB, FCGR3WC, FCGR3WD, FCGR3WE, FCGR3WF, FCGR3WG, FCGR3WH, FCGR3WI, FCGR3WJ, FCGR3WK, FCGR3WL, FCGR3WM, FCGR3WN, FCGR3WO, FCGR3WP, FCGR3WQ, FCGR3WR, FCGR3WS, FCGR3WT, FCGR3WU, FCGR3WV, FCGR3WW, FCGR3WX, FCGR3WY, FCGR3WZ, FCGR3XA, FCGR3XB, FCGR3XC, FCGR3XD, FCGR3XE, FCGR3XF, FCGR3XG, FCGR3XH, FCGR3XI, FCGR3XJ, FCGR3XK, FCGR3XL, FCGR3XM, FCGR3XN, FCGR3XO, FCGR3XP, FCGR3XQ, FCGR3XR, FCGR3XS, FCGR3XT, FCGR3XU, FCGR3XV, FCGR3XW, FCGR3XX, FCGR3XY, FCGR3XZ, FCGR3YA, FCGR3YB, FCGR3YC, FCGR3YD, FCGR3YE, FCGR3YF, FCGR3YG, FCGR3YH, FCGR3YI, FCGR3YJ, FCGR3YK, FCGR3YL, FCGR3YM, FCGR3YN, FCGR3YO, FCGR3YP, FCGR3YQ, FCGR3YR, FCGR3YS, FCGR3YT, FCGR3YU, FCGR3YV, FCGR3YW, FCGR3YX, FCGR3YY, FCGR3YZ, FCGR3ZA, FCGR3ZB, FCGR3ZC, FCGR3ZD, FCGR3ZE, FCGR3ZF, FCGR3ZG, FCGR3ZH, FCGR3ZI, FCGR3ZJ, FCGR3ZK, FCGR3ZL, FCGR3ZM, FCGR3ZN, FCGR3ZO, FCGR3ZP, FCGR3ZQ, FCGR3ZR, FCGR3ZS, FCGR3ZT, FCGR3ZU, FCGR3ZV, FCGR3ZW, FCGR3ZX, FCGR3ZY, FCGR3ZZ, FUBP1, FUCA1, FUCA2, FURIN, FUS, FUT1, FUT2, FUT3, FUT6, FUT7, FUT8, FUZ, FXN, FXYD2, FXYD6, FXYD6-



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FXRD2, FYCO1, FZD1, FZD3, FZD4, FZD6, FZD9, G6PC, G6PC2, G6PC3, G6PD, GAA, GAB2, GABBR1, GABPA, GABRA1, GABRA2, GABRA3, GABRA4, GABRA5, GABRA6, GABRB1, GABRB2, GABRB3, GABRD, GABRE, GABRG1, GABRG2, GABRG3, GABRP, GABRQ, GABRR1, GABRR2, GAD1, GAD2, GADD45B, GAK, GAL3ST3, GALC, GALE, GALK1, GALNS, GALNT12, GALNT18, GALNT2, GALNT3, GALNT9, GALNTL5, GALP, GALT, GAMT, GAN, GAP43, GAR1, GARS, GAS1, GAS2L2, GAS6, GAS6-AS1, GATA1, GATA2, GATA3, GATA4, GATA6, GATAD1, GATAD2B, GATM, GBA, GBA2, GBA3, GBE1, GBGT1, GC, GCDH, GCGR, GCH1, GCK, GCKR, GCLC, GCLM, GCM2, GCNT2, GCOM1, GCSH, GDA, GDAP1, GDF1, GDF15, GDF3, GDF5, GDF6, GDF9, GDI1, GDNF, GEMIN2, GEMIN4, GEN1, GFAP, GFER, GFI1, GFI1B, GFM1, GFM2, GFPT1, GFPT2, GFRA1, GGACT, GGCX, GGH, GGT5, GH2, GHR, GHRH, GHRHR, GHRL, GHRLOS, GHSR, GIF, GIGYF2, GIMAP8, GIP, GIPC3, GIPR, GIT1, GJA1, GJA3, GJA4, GJA5, GJA8, GJB1, GJB2, GJB3, GJB4, GJB6, GJC2, GJC3, GJD2, GK, GK2, GLA, GLB1, GLCCI1, GLDC, GLE1, GLI1, GLI2, GLI3, GLIS2, GLIS3, GLIS3-AS1, GLMN, GLO1, GLP1R, GLRA1, GLRB, GLRX5, GLS, GLTSCR1, GLUD1, GLUD2, GLUL, GLYCTK, GM2A, GMIP, GMPPA, GMPPB, GMPS, GNA14, GNAI2, GNAI3, GNAL, GNAO1, GNAQ, GNAS, GNAS-AS1, GNAT1, GNAT2, GNB1L, GNB3, GNB4, GNB5, GNE, GNG3, GNMT, GNPAT, GNPTAB, GNPTG, GNRH1, GNRHR, GNS, GOLGA3, GOLGA5, GON4L, GOPC, GORAB, GOSR2, GOT1, GP1BA, GP1BB, GP2, GP6, GP9, GPAM, GPANK1, GPATCH8, GPBAR1, GPC3, GPC4, GPC6, GPD1, GPD1L, GPD2, GPHN, GPI, GPIHBP1, GPR1, GPR12, GPR125, GPR139, GPR143, GPR179, GPR33, GPR55, GPR56, GPR68, GPR98, GPRIN2, GPS1, GPSM2, GPSM3, GPT, GPX1, GPX2, GPX3, GPX4, GPX5, GPX6, GRB10, GRB14, GREM1, GRHL2, GRHL3, GRHPR, GRIA1, GRIA3, GRID1, GRID2, GRIK1, GRIK1-AS2, GRIK2, GRIK3, GRIK4, GRIK5, GRIN1, GRIN2A, GRIN2B, GRIN3A, GRIP1, GRK1, GRK4, GRK5, GRM1, GRM3, GRM5, GRM5-AS1, GRM6, GRM7, GRM8, GRN, GRPR, GRXCR1, GS1-600G8.3, GSC, GSDMA, GSDMB, GSE1, GSK3B, GSN, GSN-AS1, GSPT1, GSPT2, GSR, GSS, GSTA1, GSTA2, GSTA3, GSTA4, GSTA5, GSTK1, GSTM1, GSTM2, GSTM3, GSTM4, GSTM5, GSTO1, GSTO2, GSTP1, GSTT1, GSTZ1, GTF2E1, GTF2H1, GTF2H5, GTF2I, GTF2IRD1, GUCA1A, GUCA1B, GUCY2C, GUCY2D, GUSB, GYG1, GYG2, GYLTL1B, GYPA, GYPB, GYPC, GYPE, GYS1, GYS2, GZMB, H19, H2BFWT, H6PD, HABP2, HACE1, HACL1, HADH, HADHA, HADHB, HAGH, HAL, HAMP, HAND1, HAND2, HARS, HARS2, HAS1, HAVCR1, HAX1, HBA1, HBA2, HBB, HBD, HBE1, HBEGF, HBM, HBQ1, HBS1L, HBZ, HCCS, HCFC1, HCK, HCLS1, HCN1, HCN2, HCN4, HCP5, HCRT, HCRTR1, HCRTR2, HCST, HDAC4, HDAC8, HDAC9, HDC, HDLBP, HDX, HEATR2, HELQ, HEPACAM, HERC2, HES6, HES7, HESX1, HEXA, HEXB, HEY1, HFE, HFE2, HGD, HGF, HGSNAT, HHAT, HHEX, HHIP, HIBCH, HIF1A, HIF1A-AS1, HIF1A-AS2, HIF1AN, HIGD2A, HIGD2B, HINT1, HIP1, HIRA, HIST1H2AE, HIST1H4B, HIST3H3, HIVEP2, HK1, HK2, HLA-A, HLA-B, HLA-C, HLA-DMB, HLA-DOA, HLA-DPA1, HLA-DPB1, HLA-DPB2, HLA-DQA1, HLA-DQB1, HLA-DRA, HLA-DRB1, HLA-DRB5, HLA-E, HLA-G, HLCS, HLX, HLX-AS1, HMBS, HMCN1, HMGA1, HMGA2, HMGCL, HMGCR, HMGCS2, HMHA1, HMOX1, HMOX2, HMSD, HMX1, HMX2, HNF1A, HNF1B, HNF4A, HNMT, HNRNPA0, HNRNPA1, HNRNPA1P10, HNRNPA2B1, HNRNPD, HNRNPD, HNRNPD, HNRNPH1, HNRNPH2, HNRNPH3, HNRNPU, HNRNPU-AS1, HNRNPU1, HNRNPU2, HNRNPU2-B, HOGA1, HOMER1, HOMER2, HOOK1, HOXA1, HOXA10, HOXA10-AS, HOXA10-HOXA9, HOXA11, HOXA13, HOXA2, HOXA4, HOXB1, HOXB13, HOXB6, HOXC13, HOXC13-AS, HOXD10, HOXD13, HOXD4, HP, HPD, HPGD, HPRT1, HPS1, HPS3, HPS4, HPS5, HPS6, HPSE2, HR, HRAS, HRC, HRG, HRH2, HRH3, HS1BP3, HS6ST1, HSD11B1, HSD11B2, HSD17B1, HSD17B10, HSD17B11, HSD17B14, HSD17B2, HSD17B3, HSD17B4, HSD3B1, HSD3B2, HSD3B7, HSF4, HSP90AA1, HSP90B1, HSPA1A, HSPA1B, HSPA1L, HSPA5, HSPA8, HSPA9, HSPB1, HSPB3, HSPB6, HSPB7, HSPB8, HSPD1, HSPG2, HTN3, HTR1A, HTR1B, HTR2A, HTR2B, HTR2C, HTR3A, HTR3B, HTR3C, HTR3E, HTR5A, HTR5AOS, HTR6, HTR7, HTRA1, HTRA2, HTT, HUS1B, HUWE1, HVCN1, HYAL1, HYDIN, HYKK, HYLS1, HYMAI, IAPP, IARS2, IBA57, IBSP, ICAM1, ICAM4, ICAM5, ICK, ICOS, ID3, IDE, IDH1, IDH2, IDH3B, IDO1, IDS, IDUA, IER3IP1, IFI30, IFI44L, IFIH1, IFITM5, IFNA2, IFNAR1, IFNAR2, IFNG, IFNGR1, IFNGR2, IFRD1, IFT122, IFT140, IFT172, IFT43, IFT80, IGBP1, IGF1, IGF1R, IGF2, IGF2R, IGFALS, IGFBP1, IGFBP3, IGFBP5, IGFBP7, IGFBP7-AS1, IGHMBP2, IGLL1, IGSF1, IHH, IK, IKBIP, IKBKAP, IKBKB, IKBKG, IKZF1, IKZF5, IL10, IL10RA, IL10RB, IL11RA, IL12A, IL12A-AS1, IL12B, IL12RB1, IL12RB2, IL13, IL16, IL17A, IL17F, IL17RA, IL17RB, IL17RD, IL17REL, IL18, IL18R1, IL18RAP, IL19, IL1A, IL1B, IL1R1, IL1RAPL1, IL1RL1, IL1RN, IL2, IL20RA, IL20RB, IL21, IL21-AS1, IL21R, IL21R-AS1, IL23R, IL2RA, IL2RG, IL3, IL31RA, IL36RN, IL4, IL4R, IL5, IL6, IL6R, IL7, IL7R, IL8, IL9, ILDR1, ILF3, ILK, IMMP2L, IMMT, IMPA2, IMPAD1, IMPDH1, IMPDH2, IMPG1, IMPG2, INE1, INF2, ING1, INHA, INMT, INMT-FAM188B, INPP4A, INPP5E, INS, INSIG1, INSIG2, INS-IGF2, INSL3, INSL6, INSR, INSR, INVS, IPCEF1, IPP, IPW, IQCB1, IQGAP1, IQGAP2, IQGAP3, IQSEC2, IRAK1, IRAK3, IRAK4, IRF1, IRF2, IRF4, IRF5, IRF6, IRF7, IRF8, IRGM, IRS1, IRS2, IRS4,



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IRX4, IRX5, ISCU, ISL1, ISPD, ISYNA1, ITCH, ITGA11, ITGA2, ITGA2B, ITGA3, ITGA4, ITGA6, ITGA7, ITGA8, ITGA9, ITGAE, ITGAM, ITGB2, ITGB3, ITGB4, ITIH1, ITIH3, ITIH4, ITIH6, ITK, ITM2B, ITPA, ITPKC, ITPR1, ITPR3, ITSND, IVD, IYD, JAG1, JAG2, JAK1, JAK2, JAK3, JAM3, JMJD1C, JMJD1C-AS1, JPH2, JPH3, JRK, JUN, JUP, KAAG1, KAL1, KALRN, KANK1, KANSL1, KARS, KAT5, KAT6B, KATNAL2, KBTBD13, KBTBD4, KCNA1, KCNA3, KCNA5, KCNAB2, KCNC3, KCND2, KCND3, KCNE1, KCNE1L, KCNE2, KCNE3, KCNE4, KCNH2, KCNIP4, KCNJ1, KCNJ10, KCNJ11, KCNJ12, KCNJ13, KCNJ15, KCNJ16, KCNJ18, KCNJ2, KCNJ3, KCNJ5, KCNJ6, KCNJ8, KCNJ9, KCNK18, KCNK3, KCNK6, KCNK9, KCNMA1, KCNMB1, KCNMB3, KCNN3, KCNQ1, KCNQ1OT1, KCNQ2, KCNQ3, KCNQ4, KCNS1, KCNS3, KCNT1, KCNV2, KCTD13, KCTD7, KDM4C, KDM5A, KDM5C, KDM5D, KDM6A, KDM6B, KDR, KEL, KERA, KHDC3L, KHK, KIAA0100, KIAA0196, KIAA0226, KIAA0232, KIAA0319, KIAA0513, KIAA1033, KIAA1279, KIAA1377, KIAA1432, KIAA1462, KIAA1549, KIAA1614, KIAA2022, KIF11, KIF17, KIF18A, KIF1A, KIF1B, KIF1C, KIF21A, KIF22, KIF2A, KIF4A, KIF5A, KIF5B, KIF5C, KIF6, KIF7, KIFAP3, KIN, KIR2DL3, KIR2DL4, KIR3DL1, KIR3DL2, KIRREL3, KISS1, KISS1R, KIT, KITLG, KL, KLB, KLC3, KLF1, KLF10, KLF11, KLF5, KLF6, KLF7, KLF8, KLHDC8B, KLHL1, KLHL10, KLHL3, KLHL40, KLHL41, KLHL6, KLHL7, KLHL7-AS1, KLHL9, KLK1, KLK12, KLK15, KLK3, KLK4, KLK7, KLKB1, KLLN, KLRC4-KLRK1, KLRK1, KMT2A, KMT2C, KMT2D, KMT2E, KNG1, KPNA1, KPTN, KRAS, KRIT1, KRT1, KRT10, KRT12, KRT13, KRT14, KRT18, KRT2, KRT3, KRT31, KRT37, KRT38, KRT4, KRT5, KRT6A, KRT6C, KRT74, KRT75, KRT8, KRT81, KRT83, KRT85, KRT86, KRT9, KRTAP1-1, KRTCAP3, KYNU, L1CAM, L2HGDH, L3MBTL1, LACTB, LAD1, LAMA1, LAMA2, LAMA3, LAMA4, LAMA5, LAMB1, LAMB2, LAMB3, LAMC1, LAMC2, LAMC3, LAMP2, LAMTOR2, LARGE, LARP7, LARS, LARS2, LBP, LBR, LCA5, LCAT, LCE3B, LCE3C, LCE5A, LCK, LCN10, LCT, LDB3, LDHA, LDHAL6B, LDHB, LDLR, LDLRAD2, LDLRAD4, LDLRAP1, LEF1, LEF1-AS1, LEFTY2, LEMD3, LEP, LEPR, LEPRE1, LEPREL1, LETM1, LFNG, LGALS12, LGALS13, LGALS2, LGALS3, LGI1, LHCGR, LHFPL5, LHX1, LHX3, LHX4, LHX8, LHX9, LIAS, LIF, LIFR, LIG1, LIG3, LIG4, LILRA3, LILRB2, LIM2, LIMK1, LIN28A, LIN28B, LINC00599, LINC00852, LINS, LIPA, LIPC, LIPE, LIPG, LIPH, LIPI, LIPN, LIPT1, LITAF, LLGL1, LMAN1, LMBR1, LMBRD1, LMF1, LMNA, LMNB1, LMNB2, LMTK3, LMX1B, LNX2, LOC100126784, LOC100127888, LOC100128006, LOC100129427, LOC100129518, LOC100129973, LOC100130744, LOC100131047, LOC100132529, LOC100132891, LOC100133286, LOC100287015, LOC100287042, LOC100287534, LOC100288866, LOC100289092, LOC100294362, LOC100379224, LOC100505549, LOC100505666, LOC100506071, LOC100506321, LOC100506713, LOC100507053, LOC100507156, LOC100507308, LOC100507346, LOC100507435, LOC100507600, LOC100527964, LOC100652770, LOC101054525, LOC101448202, LOC101593348, LOC101926943, LOC101927142, LOC101927318, LOC101927322, LOC101927492, LOC101927688, LOC101927698, LOC101927718, LOC101928158, LOC101928243, LOC101928371, LOC101928418, LOC101928489, LOC101929057, LOC101929372, LOC101929387, LOC101929680, LOC101929829, LOC102060414, LOC102724058, LOC102724153, LOC102724827, LOC148413, LOC257396, LOC284889, LOC285819, LOC344967, LOC553103, LOC646626, LOC654841, LOC90834, LOR, LOX, LOXHD1, LOXL1, LOXL1-AS1, LOXL2, LOXL3, LPA, LPAR1, LPAR6, LPIN1, LPIN2, LPIN3, LPL, LPP, LRAT, LRBA, LRCH1, LRFN5, LRIT3, LRP1, LRP2, LRP3, LRP4, LRP4-AS1, LRP5, LRP6, LRP8, LRPAP1, LRPPRC, LRRC4, LRRC46, LRRC6, LRRC8A, LRRK1, LRRK2, LRSAM1, LRTOMT, LSM3, LSS, LTA, LTBP1, LTBP2, LTBP3, LTBP4, LTC4S, LTF, LTK, LTN1, LUM, LXN, LY6E, LY96, LYL1, LYN, LYRM4, LYST, LYZ, LZTFL1, LZTS1, MACROD2, MAD1L1, MAD2L1, MADD, MAF, MAFB, MAG, MAGEE2, MAGEL2, MAGI1, MAGI2, MAGI2-AS3, MAGT1, MAK, MAK16, MALT1, MAMLD1, MAN1A2, MAN1B1, MAN2B1, MANBA, MAOA, MAOB, MAP2, MAP2K1, MAP2K2, MAP2K3, MAP2K4, MAP3K1, MAP3K13, MAP3K15, MAP3K8, MAP4K2, MAP4K5, MAP6, MAP7D3, MAPK1, MAPK10, MAPK13, MAPK8IP1, MAPT, MARS, MARS2, MARVELD2, MASP1, MASP2, MAST4, MASTL, MAT1A, MATN3, MATR3, MAVS, MAX, MBD1, MBD3, MBD4, MBD5, MBL2, MBNL1, MBTPS2, MC1R, MC2R, MC3R, MC4R, MCCC1, MCCC2, MCEE, MCF2, MCF2L2, MCFD2, MCHR1, MCL1, MCM3AP, MCM3AP-AS1, MCM4, MCM5, MCM6, MCM7, MCOLN1, MCPH1, MCU, MDH1, MDM2, MDM4, MDN1, MECP2, MED12, MED13, MED13L, MED17, MED23, MED25, MED8, MEF2A, MEF2B, MEF2BNB-MEF2B, MEF2C, MEF2D, MEFV, MEGF10, MEGF11, MEIS1, MEIS2, MEN1, MEOX1, MEP1B, MERTK, MESDC2, MESP2, MEST, MET, METTL8, MFF, MFG8, MFI2, MFI2-AS1, MFN2, MFRP, MFSD2A, MFSD8, MGAT1, MGAT2, MGAT4C, MGC32805, MGEA5, MGLL, MGME1, MGMT, MGP, MGST1, MGST2, MGST3, MIA3, MIAT, MIB1, MICA, MICAL1, MICB, MID1, MIF, MIIP, MINPP1, MIP, MIPOL1, MIR106B, MIR1225, MIR1228, MIR124-1, MIR125A, MIR126, MIR1273H, MIR1292, MIR1306, MIR135A1, MIR140, MIR146A, MIR15A, MIR16-1, MIR17, MIR17HG, MIR182, MIR183, MIR184, MIR18A, MIR191, MIR196A2, MIR19A, MIR206, MIR23A,



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RASA1, RASGRP2, RASSF1, RASSF1-AS1, RASSF4, RAX, RAX2, RB1, RB1CC1, RBBP8, RBCK1, RBFOX1, RBM10, RBM12, RBM14, RBM14-RBM4, RBM15, RBM20, RBM28, RBM8A, RBMXL2, RBP3, RBP4, RBPJ, RCAN1, RCVRN, RD3, RDH12, RDH5, RDX, RECQL4, REEP1, REEP2, REG1A, RELN, REN, RENBP, REPS2, RET, RETN, REV3L, REXO4, RFC2, RFNG, RFT1, RFWD2, RFX2, RFX5, RFX6, RFX8, RFXANK, RFXAP, RGMA, RGR, RGS2, RGS6, RGS7, RGS9, RGS9BP, RHAG, RHBDD2, RHBDF2, RHCE, RHD, RHO, RHOB, RHOBTB2, RHOG, RHPN2, RIBC2, RIMS1, RIMS3, RIN2, RIPK3, RIPK4, RIT1, RLBP1, RLF, RLIM, RMI1, RMND1, RMRP, RNASE2, RNASE3, RNASE4, RNASEH2A, RNASEH2B, RNASEH2C, RNASEL, RNASET2, RNF113A, RNF114, RNF135, RNF139, RNF168, RNF170, RNF212, RNF213, RNF216, RNF6, RNLS, RNU4ATAC, ROBO1, ROBO2, ROBO3, ROCK1, ROCK2, ROGDI, ROM1, ROPN1L, ROR2, RORA, ROS1, RP1, RP1L1, RP2, RP9, RPA1, RPA4, RPE65, RPEL1, RPGR, RPGRIP1, RPGRIP1L, RPH3AL, RPIA, RPL10, RPL11, RPL15, RPL21, RPL21P28, RPL26, RPL35A, RPL36, RPL36A-HNRNPH2, RPL5, RPN2, RPS10, RPS10-NUDT3, RPS12, RPS14, RPS15, RPS15A, RPS19, RPS2, RPS24, RPS26, RPS27A, RPS28, RPS3, RPS4X, RPS4Y1, RPS4Y2, RPS6KA3, RPS6KB1, RPS6KL1, RPS7, RPSA, RPTOR, RRH, RRM1, RRM2B, RRP1B, RS1, RSC1A1, RSPH1, RSPH3, RSPH4A, RSPH9, RSPO1, RSPO4, RSRC1, RTEL1, RTEL1-TNFRSF6B, RTN2, RTN4R, RTTN, RUFY2, RUNX1, RUNX2, RUNX3, RUVBL1, RUVBL2, RXFP2, RXRA, RXRG, RYK, RYR1, RYR2, RYR3, S100A14, S100B, S100G, S1PR1, SAA1, SAA2, SACS, SAG, SAGE1, SALL1, SALL2, SALL4, SAMD9, SAMHD1, SAR1B, SARDH, SARM1, SARS, SARS2, SART1, SART3, SAT1, SATB2, SATL1, SBDS, SBF1, SBF2, SBF2-AS1, SBK3, SBNO1, SC5D, SCAP, SCAPER, SCARB1, SCARB2, SCARF2, SCARNA10, SCARNA22, SCG2, SCG3, SCGB1A1, SCGB1D2, SCGB3A2, SCN10A, SCN11A, SCN1A, SCN1B, SCN2A, SCN2B, SCN3A, SCN3B, SCN4A, SCN4B, SCN5A, SCN8A, SCN9A, SCNN1A, SCNN1B, SCNN1G, SCO1, SCO2, SCP2, SCRIB, SCT, SCUBE2, SDC3, SDCCAG3, SDCCAG8, SDHA, SDHAF1, SDHAF2, SDHB, SDHC, SDHD, SEC16B, SEC23A, SEC23B, SEC63, SECISBP2, SEL1L, SELE, SELL, SELP, SELPLG, SEMA3A, SEMA3E, SEMA4A, SEMA4C, SEMA4G, SEMA6D, SEMG1, SEP15, SEPN1, SEPP1, SEPSECS, SEPT12, SEPT5-GP1BB, SEPT9, SERAC1, SERPINA1, SERPINA10, SERPINA3, SERPINA6, SERPINA7, SERPINB11, SERPINB3, SERPINB5, SERPINB6, SERPINC1, SERPIND1, SERPINE1, SERPINF1, SERPINF2, SERPING1, SERPINH1, SERPINI1, SERPINI2, SERTAD1, SESN2, SETBP1, SETD2, SETD5, SETD8, SETDB1, SETDB2, SETX, SEZ6, SEZ6L2, SF1, SF3B1, SF3B4, SFPQ, SFTPA1, SFTPA2, SFTPB, SFTPC, SFTPD, SFXN4, SGCA, SGCB, SGCD, SGCE, SGCG, SGK1, SGK223, SGSH, SH2B1, SH2B3, SH2D1A, SH2D2A, SH3BP2, SH3GL1, SH3PXD2B, SH3TC2, SHANK2, SHANK3, SHBG, SHFM1, SHH, SHMT1, SHOC2, SHPK, SHROOM3, SHROOM4, SI, SIAE, SIGLEC12, SIGLEC14, SIGMAR1, SIK2, SIL1, SIM1, SIPA1, SIRT1, SIRT3, SIRT5, SIX1, SIX2, SIX3, SIX5, SIX6, SKI, SKIV2L, SLBP, SLC10A1, SLC10A2, SLC10A3, SLC11A1, SLC11A2, SLC12A1, SLC12A3, SLC12A4, SLC12A5, SLC12A6, SLC13A1, SLC13A2, SLC13A3, SLC14A1, SLC14A2, SLC15A1, SLC15A2, SLC16A1, SLC16A12, SLC16A2, SLC16A3, SLC17A1, SLC17A3, SLC17A5, SLC17A8, SLC18A1, SLC18A2, SLC19A1, SLC19A2, SLC19A3, SLC1A1, SLC1A2, SLC1A3, SLC20A2, SLC22A1, SLC22A11, SLC22A12, SLC22A13, SLC22A14, SLC22A15, SLC22A16, SLC22A17, SLC22A18, SLC22A18A5, SLC22A2, SLC22A3, SLC22A4, SLC22A5, SLC22A6, SLC22A7, SLC22A8, SLC22A9, SLC23A1, SLC24A1, SLC24A2, SLC24A5, SLC25A1, SLC25A10, SLC25A11, SLC25A12, SLC25A13, SLC25A14, SLC25A15, SLC25A16, SLC25A17, SLC25A18, SLC25A19, SLC25A2, SLC25A20, SLC25A21, SLC25A21-AS1, SLC25A22, SLC25A23, SLC25A26, SLC25A27, SLC25A28, SLC25A29, SLC25A3, SLC25A30, SLC25A31, SLC25A32, SLC25A33, SLC25A34, SLC25A35, SLC25A37, SLC25A38, SLC25A39, SLC25A4, SLC25A40, SLC25A41, SLC25A42, SLC25A43, SLC25A44, SLC25A45, SLC25A46, SLC25A5, SLC25A5-AS1, SLC26A1, SLC26A10, SLC26A11, SLC26A2, SLC26A3, SLC26A4, SLC26A4-AS1, SLC26A5, SLC26A6, SLC26A9, SLC27A1, SLC27A4, SLC27A5, SLC28A1, SLC28A2, SLC28A3, SLC29A1, SLC29A2, SLC29A3, SLC29A4, SLC2A1, SLC2A10, SLC2A2, SLC2A4, SLC2A5, SLC2A6, SLC2A9, SLC30A10, SLC30A2, SLC30A5, SLC30A8, SLC31A1, SLC33A1, SLC34A1, SLC34A2, SLC34A3, SLC35A1, SLC35A2, SLC35C1, SLC35D1, SLC35G2, SLC36A2, SLC37A1, SLC37A4, SLC39A13, SLC39A4, SLC3A1, SLC40A1, SLC41A1, SLC44A2, SLC45A2, SLC46A1, SLC47A1, SLC47A2, SLC4A1, SLC4A10, SLC4A11, SLC4A3, SLC4A4, SLC4A5, SLC4A7, SLC52A1, SLC52A2, SLC52A3, SLC5A1, SLC5A11, SLC5A2, SLC5A3, SLC5A5, SLC5A6, SLC5A7, SLC6A1, SLC6A11, SLC6A12, SLC6A13, SLC6A14, SLC6A17, SLC6A18, SLC6A19, SLC6A2, SLC6A20, SLC6A3, SLC6A4, SLC6A5, SLC6A6, SLC7A1, SLC7A10, SLC7A2, SLC7A5, SLC7A7, SLC7A8, SLC7A9, SLC8A1, SLC9A3R1, SLC9A6, SLC9A9, SLC9B1, SLCO1A2, SLCO1B1, SLCO1B3, SLCO1C1, SLCO2A1, SLCO2B1, SLCO3A1, SLCO4A1, SLCO4C1, SLCO6A1, SLFN5, SLIT3, SLITRK1, SLMO2-ATP5E, SLURP1, SLX4, SMAD1, SMAD2, SMAD3, SMAD4, SMAD6, SMAD7, SMAD9, SMAP2, SMARCA2, SMARCA4, SMARCAD1, SMARCAL1, SMARCB1, SMARCE1, SMC1A, SMC1B, SMC3, SMCHD1, SMG1, SMG6, SMNDC1, SMO, SMOC1, SMOC2, SMPD1, SMPX, SMS,



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SMUG1, SMYD3, SNAI2, SNAP29, SNAPC4, SNAPC5, SNCA, SNCAIP, SNCB, SNHG4, SNHG5, SNIP1, SNORA27, SNORA29, SNORA30, SNORA33, SNORA36A, SNORA51, SNORA53, SNORA56, SNORA6, SNORA66, SNORA74A, SNORD116-10, SNORD116-11, SNORD116-12, SNORD116-13, SNORD116-15, SNORD116-16, SNORD116-17, SNORD116-18, SNORD116-19, SNORD116-20, SNORD116-22, SNORD116-23, SNORD116-24, SNORD116-4, SNORD117, SNORD37, SNORD41, SNORD50A, SNORD51, SNORD56, SNORD57, SNORD59A, SNORD59B, SNORD66, SNORD86, SNRK, SNRK-AS1, SNRNP200, SNRPE, SNRPN, SNTA1, SNTG2, SNURF, SNX10, SNX14, SNX17, SNX19, SNX22, SNX3, SNX31, SOAT2, SOBP, SOCS1, SOCS3, SOD1, SOD2, SOD3, SOGA3, SOHLH1, SORBS1, SORCS1, SORL1, SORT1, SOS1, SOST, SOX10, SOX15, SOX17, SOX18, SOX2, SOX3, SOX5, SOX6, SOX7, SOX8, SOX9, SP100, SP110, SP7, SP8, SPA17, SPACA6P, SPACA6P-AS, SPAG1, SPAG16, SPAG17, SPAG5-AS1, SPAG6, SPAG8, SPANXN5, SPAST, SPATA13, SPATA16, SPATA21, SPATA33, SPATA7, SPECC1L, SPECC1L-ADORA2A, SPEF2, SPG11, SPG20, SPG21, SPG7, SPI1, SPINK1, SPINK5, SPINT2, SPP1, SPR, SPRED1, SPRN, SPRR3, SPRY2, SPRY4, SPSB2, SPTA1, SPTAN1, SPTB, SPTBN2, SPTBN5, SPTLC1, SPTLC2, SQSTM1, SRA1, SRC, SRCAP, SRD5A2, SRD5A3, SREBF1, SREBF2, SREK1, SRGAP2, SRGAP3, SRI, VIII.72, SRPX, SRPX2, SRR, SRY, SSH1, SST, SSTR2, SSTR5, SSTR5-AS1, ST14, ST20-MTHFS, ST3GAL3, ST3GAL5, ST5, ST7, ST7-AS1, ST7-AS2, ST7-OT3, ST8SIA2, STAB2, STAG1, STAMPB, STAR, STAT1, STAT2, STAT3, STAT5A, STAT5B, STAT6, STEAP3, STEAP4, STH, STIL, STIM1, STIM2, STK10, STK11, STK19, STK3, STK32A, STK33, STK39, STK4, STK4-AS1, STMN1, STOX1, STRA6, STRADA, STRC, STS, STX11, STX16, STX16-NPEPL1, STX1A, STXBP1, STXBP2, STXBP5, STXBP5-AS1, SUCLA2, SUCLG1, SUCLG2, SUCLG2-AS1, SUFU, SUGCT, SULF1, SULT1A1, SULT1B1, SULT1C2, SULT1C4, SULT1E1, SULT2A1, SULT2B1, SULT4A1, SUMF1, SUMO1, SUN2, SUOX, SUPT16H, SUPT6H, SURF1, SUV420H1, SV2B, SYCE2, SYCP2, SYCP3, SYN1, SYN3, SYNCRIP, SYNE1, SYNE2, SYNGAP1, SYNGR1, SYNJ1, SYNM, SYNPO, SYP, SYP-AS1, SYT11, SYT14, SYT2, SYT9, SYTL3, SYTL5, SZT2, T, TAAR6, TAAR9, TAB2, TAC3, TACO1, TACR1, TACR3, TACSTD2, TAF1, TAF15, TAF1C, TAF1L, TAF2, TAF7L, TAL1, TALDO1, TANC2, TAP1, TAP2, TAPBP, TAPSAR1, TARDBP, TARS2, TAS1R1, TAS1R2, TAS1R3, TAS2R16, TAS2R19, TAS2R3, TAS2R38, TAS2R46, TAS2R50, TAS2R9, TAT, TATDN1, TAZ, TBC1D1, TBC1D20, TBC1D23, TBC1D24, TBC1D4, TBCE, TBCK, TBK1, TBL1X, TBL1XR1, TBL1Y, TBP, TBX1, TBX10, TBX15, TBX19, TBX2, TBX20, TBX21, TBX22, TBX3, TBX4, TBX5, TBX6, TBXA2R, TBXAS1, TCAP, TCF12, TCF21, TCF3, TCF4, TCF7, TCF7L1, TCF7L2, TCIRG1, TCL1A, TCN1, TCN2, TCOF1, TCP1, TCTE1, TCTE3, TCTN1, TCTN2, TCTN3, TDGF1, TDO2, TDP1, TDRD7, TEAD1, TECPR2, TECR, TECTA, TEK, TEKT2, TEN1, TEN1-CDK3, TENM3, TENM4, TEP1, TERC, TERF2IP, TERT, TET1, TET2, TEX14, TF, TFAM, TFAP2A, TFAP2A-AS1, TFAP2B, TFB1M, TFCP2, TFE3, TFF1, TFG, TFPI, TFR2, TFRC, TG, TGFB1, TGFB2, TGFB3, TGFB1, TGFB1R1, TGFB1R2, TGFB1R3, TGFB1RAP1, TGIF1, TGM1, TGM2, TGM5, TGM6, TH, THADA, THAP1, THBD, THBS1, THBS2, THBS4, THOC2, THPO, THRA, THRB, THSD7A, TIA1, TIAL1, TIAM2, TICAM1, TIMM44, TIMM8A, TIMP1, TIMP2, TIMP3, TINAG, TINF2, TIRAP, TJP2, TK2, TKT, TLDC2, TLK1, TLL1, TLN1, TLN2, TLR1, TLR10, TLR2, TLR3, TLR4, TLR5, TLR6, TLR7, TLR8, TLR9, TLX1, TM4SF19, TM4SF19-TCTEX1D2, TMC1, TMC6, TMC8, TMC01, TMC06, TMEM114, TMEM126A, TMEM127, TMEM135, TMEM138, TMEM165, TMEM173, TMEM185A, TMEM187, TMEM2, TMEM203, TMEM216, TMEM231, TMEM237, TMEM249, TMEM39A, TMEM43, TMEM5, TMEM50B, TMEM67, TMEM69, TMEM70, TMEM8A, TMEM9, TMEM99, TMIE, TMLHE, TMPO, TMPO-AS1, TMPRSS11A, TMPRSS15, TMPRSS3, TMPRSS4, TMPRSS5, TMPRSS6, TMX2-CTNND1, TNC, TNF, TNFAIP2, TNFAIP3, TNFRSF10A, TNFRSF10B, TNFRSF11A, TNFRSF11B, TNFRSF13B, TNFRSF13C, TNFRSF1A, TNFRSF1B, TNFRSF25, TNFRSF4, TNFSF10, TNFSF11, TNFSF12, TNFSF12-TNFSF13, TNFSF13B, TNFSF14, TNFSF15, TNFSF4, TNFSF8, TNKS, TNNC1, TNNI2, TNNI3, TNNI3K, TNNT1, TNNT2, TNNT3, TNP1, TNPO1, TNPO2, TNPO3, TNR, TNRC6A, TNS3, TNXB, TOE1, TOMM40, TOMM40L, TOP1MT, TOP1P1, TOPBP1, TOPORS, TOPORS-AS1, TOR1A, TOX3, TP53, TP53AIP1, TP53BP1, TP53I3, TP53RK, TP63, TP73, TPBG, TPCN2, TPH1, TPH2, TPI1, TPK1, TPM1, TPM2, TPM3, TPMT, TPO, TPP1, TPP2, TPR, TPRN, TPTE2P5, TRADD, TRAF3, TRAF3IP1, TRAF3IP2, TRAF6, TRAK2, TRAP1, TRAPPC10, TRAPPC11, TRAPPC2, TRAPPC9, TRDN, TREH, TREM2, TRERF1, TREX1, TRH, TRHR, TRIB1, TRIB3, TRIL, TRIM17, TRIM2, TRIM21, TRIM22, TRIM24, TRIM32, TRIM33, TRIM37, TRIM5, TRIM54, TRIM63, TRIM72, TRIO, TRIOBP, TRIP11, TRIP12, TRMT1, TRMT10C, TRMU, TRNT1, TROAP, TROVE2, TRPA1, TRPC1, TRPC3, TRPC4, TRPC5, TRPC6, TRPC7, TRPM1, TRPM2, TRPM2-AS, TRPM3, TRPM4, TRPM6, TRPM7, TRPS1, TRPV1, TRPV3, TRPV4, TRPV5, TRRAP, TSC1, TSC2, TSEN2, TSEN34, TSEN54, TSFM, TSG101, TSHB, TSHR, TSHZ1, TSIX, TSLP, TSNAX-DISC1, TSPAN12, TSPAN17, TSPAN7, TSPEAR, TSPEAR-AS1, TSP0, TSPYL1, TSR1, TSSC4, TSSK2, TSSK3, TSSK4, TST, TTBK2, TTC19, TTC21B, TTC37, TTC7A, TTC8, TTF1, TTF2, TTI2, TTLL11, TTN, TTN-AS1, TTPA, TTR,



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TTY13, TUBA1A, TUBA8, TUBAL3, TUBB1, TUBB2B, TUBB3, TUBB4A, TUBG1, TUBGCP4, TUBGCP5, TUBGCP6, TUFM, TULP1, TULP3, TUSC3, TWIST1, TWIST2, TWSG1, TXN2, TXNRD2, TYK2, TYMP, TYMS, TYR, TYROBP, TYRP1, UBA1, UBA2, UBA3, UBAC2, UBD, UBE2A, UBE2B, UBE2I, UBE3A, UBE3C, UBIAD1, UBN2, UBQLN2, UBR1, UBR3, UBR7, UCHL1, UCP1, UCP2, UCP3, UFD1L, UGT1A1, UGT1A10, UGT1A3, UGT1A4, UGT1A5, UGT1A6, UGT1A7, UGT1A8, UGT1A9, UGT2A1, UGT2A2, UGT2A3, UGT2B15, UGT2B17, UGT2B4, UGT2B7, UGT8, UHRF1BP1, UIMC1, UMOD, UMPS, UNC119, UNC13D, UNC50, UNC5C, UNC5CL, UNC80, UNC93A, UNC93B1, UNG, UNKL, UPB1, UPF3B, UPK3A, UQCR11, UQCRB, UQCRC1, UQCRC2, UQCRFS1, UQCRH, UQCRQ, URB1, URGCP-MRPS24, UROC1, UROD, UROS, USB1, USF1, USH1C, USH1G, USH2A, USP15, USP24, USP26, USP46, USP7, USP9X, USP9Y, UTF1, UTP14C, UTRN, UTS2, UVSSA, VAMP1, VANGL1, VANGL2, VAPB, VARS2, VAX1, VCAM1, VCAN, VCL, VCP, VDR, VEGFA, VGLL1, VHL, VIM, VIM-AS1, VIMP, VIP, VIPAS39, VIPR2, VKORC1, VLDLR, VLDLR-AS1, VMA21, VNN1, VPREB1, VPS13A, VPS13A-AS1, VPS13B, VPS33B, VPS35, VPS37A, VPS45, VRK1, VRK2, VSIG4, VSX1, VSX2, VTN, VWA5B2, VWF, WAC, WARS2, WAS, WASF3, WDFY3, WDFY4, WDPCP, WDR1, WDR11, WDR13, WDR19, WDR34, WDR35, WDR36, WDR4, WDR45, WDR45B, WDR60, WDR62, WDR65, WDR66, WDR72, WDR81, WFS1, WHSC1, WHSC1L1, WIPF1, WISP3, WNK1, WNK4, WNT10A, WNT10B, WNT3, WNT4, WNT5A, WNT5B, WNT7A, WRAP53, WRN, WT1, WT1-AS, WTAPP1, WWC1, WWOX, WWTR1, XBP1, XCR1, XDH, XIAP, XIST, XK, XKR4, XPA, XPC, XPNPEP2, XPNPEP3, XRCC1, XRCC2, XRCC3, XRCC4, XRCC5, XRCC6, XYLT1, XYLT2, YAP1, YARS, YARS2, YBX2, YIPF3, YTHDF2, YWHAE, YY1, ZAN, ZAP70, ZBTB11, ZBTB16, ZBTB18, ZBTB24, ZBTB40, ZBTB41, ZC3H14, ZC3H3, ZC3HAV1, ZC4H2, ZCCHC12, ZCCHC13, ZCCHC8, ZDHHC15, ZDHHC8, ZDHHC9, ZEB1, ZEB1-AS1, ZEB2, ZEB2-AS1, ZFAT, ZFAT-AS1, ZFH3, ZFH4, ZFP36, ZFP36L1, ZFP57, ZFP90, ZFP91-CNTF, ZFPM2, ZFX, ZFY, ZFYVE26, ZFYVE27, ZHX3, ZIC1, ZIC2, ZIC3, ZIC4, ZMPSTE24, ZMYM3, ZMYM6, ZMYND10, ZMYND11, ZNF202, ZNF213, ZNF224, ZNF24, ZNF276, ZNF335, ZNF33A, ZNF35, ZNF350, ZNF365, ZNF385B, ZNF41, ZNF423, ZNF469, ZNF480, ZNF507, ZNF513, ZNF526, ZNF592, ZNF627, ZNF644, ZNF674, ZNF711, ZNF750, ZNF75D, ZNF80, ZNF804A, ZNF81, ZNHIT6, ZNRF1, ZPBP, ZPBP2, ZSWIM7

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