



Seznam genů zahrnutých ve virtuálním panelu – Porucha srdeční funkce (FocusedExome)

Virtuální panel zahrnuje analýzu 304 genů (hg38):

A2ML1, AARS2, ABCC9, ABCG5, ABCG8, ACAD9, ACADVL, ACTA1, ACTA2, ACTC1, ACTN2, AGK, AGL, AKAP9, ALDOA, ALMS1, ANK2, ANKRD1, APOA1, APOA2, APOA4, APOA5, APOB, APOC2, APOC3, APOE, ARSB, ATPAF2, B2M, BAG3, BMPR2, BRAF, CACNA1C, CACNA1D, CACNA2D1, CACNB2, CALM1, CALM3, CALR3, CASQ2, CAV3, CBL, CBS, CDK4, CDKN2A, CDKN2B, CETP, CITED2, COA5, COL1A1, COL1A2, COL3A1, COL4A3, COL4A4, COL4A5, COL5A1, COL5A2, COX10, COX14, COX15, COX20, COX6B1, COX7B, CPT2, CREB3L3, CRELD1, CRYAB, CSRP3, CST3, CTF1, CTNNA3, CUL4B, DES, DMD, DNAJC19, DOLK, DPM3, DPP6, DSC2, DSG2, DSP, DTNA, EFEMP2, ELN, EMD, ENO3, EPG5, EYA4, FAH, FASTKD2, FBN1, FBN2, FGA, FHL1, FHL2, FKRP, FKTN, FLNA, FLNC, FNIP1, FOXF1, FOXRED1, FXN, GAA, GATA4, GATA6, GATAD1, GJA1, GJA5, GLA, GLB1, GPD1L, GPIHBP1, GSN, GUSB, GYG1, GYS1, HADHA, HADHB, HAND1, HCN4, HFE, HGSNAT, HRAS, CHRM2, IDH2, IDS, IDUA, ILK, JAG1, JPH2, JUP, KAT6B, KCNA5, KCND2, KCND3, KCNE1, KCNE2, KCNE3, KCNH2, KCNJ2, KCNJ5, KCNJ8, KCNQ1, KLF10, KMT2D, KRAS, LAMA2, LAMA4, LAMP2, LDB3, LDLR, LDLRAP1, LMF1, LMNA, LOX, LPL, LRPPRC, LTBP2, LYZ, MAP2K1, MAP2K2, MIB1, MLYCD, MMACHC, MRPL44, MURC, MUT, MYBPC3, MYH11, MYH6, MYH7, MYH7B, MYL2, MYL3, MYLK, MYLK2, MYOM1, MYOT, MYOZ2, MYPN, NAGLU, NDUFA1, NDUFA10, NDUFA11, NDUFA2, NDUFA4, NDUFAF1, NDUFAF2, NDUFAF3, NDUFAF4, NDUFAF5, NDUFB11, NDUFB3, NDUFB8, NDUFS1, NDUFS2, NDUFS3, NDUFS4, NDUFS6, NDUFS7, NDUFS8, NDUFV1, NDUFV2, NEBL, NEXN, NF1, NKX2-5, NKX2-6, NODAL, NOS1AP, NOTCH1, NOTCH2, NPPA, NRAS, NUBPL, NUP155, OBSCN, PCCA, PCCB, PCSK9, PDLIM3, PET100, PGM1, PKP2, PLN, PLOD1, PLXND1, PNPLA2, PRDM16, PRKAG2, PRKG1, PTPN11, RAF1, RANGRF, RBCK1, RBM20, RIT1, RYR1, RYR2, SALL4, SCN10A, SCN1B, SCN2B, SCN3B, SCN4B, SCN5A, SCO1, SCO2, SDHA, SDHAF1, SDHD, SEMA3A, SGCD, SGCG, SGSH, SHOC2, SKI, SLC22A5, SLC25A20, SLC25A4, SLC2A10, SLC30A5, SMAD3, SMAD4, SMAD6, SNTA1, SOS1, SURF1, SYNE1, SYNE2, TAZ, TBX1, TBX20, TBX3, TBX4, TBX5, TCAP, TFAP2B, TGFB2, TGFB3, TGFBR1, TGFBR2, TLL1, TMEM43, TMEM70, TMPO, TNNC1, TNNI3, TNNI3K, TNNT2, TNXB, TPM1, TRDN, TRIM54, TRIM63, TRPM4, TSFM, TTN, TTR, TXNRD2, VCL, ZFPM2, ZIC3