



Seznam genů zahrnutých ve virtuálním panelu - Fetální anomálie (FocusedExome)

Virtuální panel zahrnuje analýzu 887 genů:

AAAS, ABCA12, ABCC6, ABCC6P2, ABCC9, ABHD5, ACAD9, ACADVL, ACAN, ACE, ACOX1, ACP5, ACTA1, ACTA2, ACTB, ACTC1, ACTG1, ACVR2B, ACY1, ADAMTS10, ADAMTS17, ADAMTSL2, ADAMTSL2, ADAR, ADNP, ADSL, AGK, AGL, AGPS, AHI1, AKT1, AKT3, ALDH18A1, ALDH1A3, ALDH3A2, ALDH7A1, ALDOA, ALG1, ALG12, ALG3, ALG6, ALG8, ALMS1, ALPL, ALX1, ALX3, ALX4, AMER1, AMT, ANKH, ANKRD11, ANTXR1, AP4E1, AR, ARHGAP31, ARID1A, ARID1B, ARL13B, ARL6, ARSA, ARSB, ARSL, ARX, ASAH1, ASCC1, ASNS, ASPA, ASPM, ASS1, ASXL1, ATIC, ATP6VOA2, ATP7A, ATRX, B3GALT6, B3GALT3, B4GALT7, BBS1, BBS10, BBS12, BBS2, BBS4, BBS5, BBS7, BBS9, BCAP31, BCL11A, BCL11B, BCOR, BCS1L, BFSP2, BHLHA9, BICD2, BIN1, BLM, BMP1, BMP2, BMP4, BMPER, BMPR1B, BPNT2, BRAF, BRAT1, BRCA2, BRIP1, BSND, BTB, BUB1B, CA2, CA8, CACNA1C, CACNA1C, CACNA1E, CASK, CBL, CC2D2A, CCBE1, CCDC103, CCDC39, CCDC40, CCNQ, CDAN1, CDC6, CDH1, CDH15, CDH3, CDKL5, CDKN1C, CDON, CDT1, CENPJ, CEP120, CEP152, CEP164, CEP290, CEP41, CEP57, CERT1, CFAP410, CFAP418, CFTR, CLCN7, CNOT3, CNTNAP2, COASY, COG1, COG4, COG7, COG8, COL10A1, COL11A1, COL11A2, COL18A1, COL1A1, COL1A2, COL2A1, COL3A1, COL4A1, COL4A2, COL6A1, COL6A2, COL6A3, COL9A1, COL9A2, COLEC11, COQ4, COQ9, COX7B, CPLANE1, CPT2, CREBBP, CRLF1, CRPPA, CRTAP, CRYAA, CRYBA1, CRYBA4, CRYBB1, CRYBB2, CRYBB3, CRYGC, CRYGD, CSN3, CSPP1, CTC1, CTCF, CTNBNB1, CTSA, CTSB, CTSK, CUL4B, CUL7, CYP11A1, CYP11B1, CYP17A1, CYP1B1, CYP21A1P, CYP21A2, CYP21A2, CYP21A2, CYP2U1, DAG1, DARS1, DCX, DDR2, DHCR24, DHCR7, DHFR, DHODH, DCHS1, DIS3L2, DKC1, DLL3, DMPK, DNAAF1, DNAAF11, DNAAF3, DNAH11, DNAH5, DNAH9, DNAI1, DNMT3A, DNMT3B, DOCK6, DOK7, DOLK, DPAGT1, DPM1, DSP, DSTYK, DYM, DYNC1H1, DYNC2H1, DYNC2I1, DYNC2I2, DYRK1A, DYRK1A, EBP, ECEL1, EDA, EDNRA, EDNRB, EFN1B, EFTUD2, EHMT1, EIF2AK3, EIF2B2, EIF2B3, ELAC2, ELN, ELOVL4, EMD, EP300, EPG5, ERCC1, ERCC2, ERCC3, ERCC4, ERCC5, ERCC6, ERCC8, ERF, ESCO2, ETFA, ETFB, ETFDH, EVC, EVC2, EXOSC3, EXT1, EXT2, EYA1, EZH2, FAH, FAM111A, FAM126A, FAM20A, FAM20C, FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FAT4, FBLN5, FBN1, FBN2, FBXL4, FGD1, FGF10, FGF3, FGF8, FGFR1, FGFR2, FGFR3, FH, FKBP14, FKRP, FKTN, FLNA, FLNB, FLT4, FLVCR2, FOLR1, FOXC1, FOXC2, FOXE1, FOXE3, FOXF1, FOXG1, FOXP3, FOXRED1, FRAS1, FREM1, FREM2, FTL, FYCO1, FZR1, G6PC3, GAA, GALC, GALE, GALK1, GALNS, GATA2, GATA4, GATA6, GBA2, GBE1, GCDH, GDF1, GDF5, GDF6, GET3, GFAP, GFM1, GJA1, GJA3, GJA8, GJC2, GLA, GLB1, GLDC, GLE1, GLI2, GLI3, GLIS3, GLUL, GMPPB, GNAI3, GNAO1, GNAS, GNAS, GNPAT, GNPTAB, GNPTG, GNS, GORAB, GPC3, GPI, GSPM2, GRHL3, GRIN1, GRIN2B, GRIP1, GTF2H5, GUCY2C, GUSB, HADHA, HBA1, HBA2, HCCS, HCFC1, HDAC8, HES7, HIBCH, HIVEP2, HNF1B, HNF4A, HNF4A, HOXA1, HOXA13, HOXD13, HPSE2, HR, HRAS, HSD17B3, HSD17B4, HSF4, HSPD1, HSPG2, HUWE1, HYL1, HYL1, CHAT, CHD7, CHKB, CHRNA1, CHRND, CHRNG, CHST14, CHST3, CHSY1, CHUK, IDS, IDUA, IER3IP1, IFIH1, IFITM5, IFT122, IFT140, IFT172, IFT43, IFT80, IGF1, IGF1R, IGF2, IGHMBP2, IHH, IL11RA, IL1RAPL1, INPP5E, INSR, INVS, IQCB1, IRF6, ITGA3, ITGA6, ITGB4, JAG1, KANSL1, KANSL1, KAT6B, KCNJ1, KCNJ2, KCTD11, KDM5C, KDM6A, KIF11, KIF1A, KIF22, KIF7, KLF1, KLHL40, KLHL41, KMT2A, KMT2C, KMT2D, KRAS, KRIT1, KYNU, L1CAM, L2HGDH, LAMA1, LAMA2, LAMC3, LARP7, LBR, LFNG, LHX3, LHX4, LIFR, LIG4, LIPA, LMBR1, LMBRD1, LMNA, LMNA, LMX1B, LRP2, LRP4, LRP5, LTBP2, LTBP3, LTBP4, LYST, LZTFL1, MAF, MAFB, MAGEL2, MAP2K1, MAP2K2, MAP3K1, MASP1, MATN3, MBTPS2, MCOLN1, MCPH1, MED12, MEF2C, MEGF10, MESP2, MFRP, MFRP, MFSD2A, MGP, MID1, MKKS, MKS1, MLC1, MLYCD, MMADHC, MMACHC, MMP13, MNX1, MOCS1, MOCS2, MOCS2, MPDU1, MPLKIP, MRPL36, MRPS22, MSX1, MSX2, MTCH1, MTM1, MTO1, MTOR, MTRFR, MUSK, MYBPC1, MYCN, MYH11, MYH3, MYH6, MYH8, MYH9, MYL4, MYT1, NAA10, NAGA, NALCN, NAT8, NBAS, NBN, NDE1, NDP, NDUFAF5, NEB, NEK1, NEU1, NF1, NFIX, NHEJ1, NHS, NIPBL, NKX2-5, NKX3-2, NODAL, NOG, NOTCH1, NOTCH2, NPC1, NPC2, NPHP1, NPHP3, NPHP4, NPHS1, NPR2, NROB1, NR5A1, NRAS, NSD1, NSDHL, NUBPL, OBSL1, OCLN, OCRL, ODAD1, ODAD2, OFD1, OPHN1, ORC1, ORC4, ORC6, OSTM1, OTX2, PAFAH1B1, PAK3, PALB2, PAPSS2, PAX2, PAX3, PAX6, PAX8, PCNT, PCYT1A, PDCD10, PDE4D, PDGFRB, PDHA1, PEPD, PEX1, PEX10, PEX11B, PEX12, PEX13, PEX14, PEX16, PEX19, PEX2, PEX26, PEX3, PEX5, PEX6, PEX7, PGAP2, PGAP3, PGM1, PHF6, PHF8, PHGDH, PHIP, PHOX2B, PIEZO2, PIGA, PIGL, PIGO, PIGV, PIK3CA, PIK3R1, PIK3R2, PITX2, PITX3, PKD1L1, PKD2, PKHD1, PKLR, PKMYT1, PLOD1, PLOD2, PLPPR2, PMM2, PMPCA, PNKP, POC1A, POGZ, POLR1C, POLR1D, POLR3A, POLR3B, POMGNT1, POMGNT2, POMK, POMT1, POMT2, POR, PORCN, POU1F1, PPIB, PPP2R1A, PPP2R5D, PQBP1, PRG4, PRKAR1A, PRKD1, PRKD2, PRKRA, PRMT7, PRSS56, PSAP, PSH, PTSS1, PTF1A, PTH1R, PTHLH, PTCH1, PTPN11, PTS, PYCR1, RAB18, RAB23, RAB3GAP1, RAB3GAP2, RAC1, RAD21, RAF1, RAI1, RAPS, RARB, RARS2, RASA1, RAX, RBM8A, RBPJ, RECQL4, RELN, REN, RET,



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RFX6, RIPK4, RIT1, RMRP, RNASEH2A, RNASEH2B, RNASEH2C, RNASET2, RNU4ATAC, ROBO1, ROGDI, ROR2, RPGRIP1L, RPL11, RPL5, RPS10-NUDT3, RPS19, RPS26, RPS6KA3, RRM2B, RTEL1, RTTN, RUNX2, RXYLT1, RYR1, SALL1, SALL4, SAMD9, SAMHD1, SATB2, SBDS, SC5D, SCARF2, SCN2A, SCN4A, SCO2, SDCCAG8, SEC23B, SEPSECS, SETBP1, SETD5, SF3B4, SFTPA2, SH3PXD2B, SHH, SHOC2, SIL1, SIX3, SIX5, SKI, SLC12A1, SLC12A6, SLC16A2, SLC17A5, SLC25A20, SLC25A38, SLC26A2, SLC26A3, SLC27A4, SLC2A10, SLC33A1, SLC35A2, SLC35C1, SLC35D1, SLX4, SMAD3, SMAD4, SMARCA2, SMARCA4, SMARCB1, SMC1A, SMC3, SMCHD1, SMO, SMOC1, SMOX, SMPD1, SOS1, SOST, SOX10, SOX17, SOX2, SOX3, SOX9, SPAG1, SPG11, SPRED1, SRCAP, SRD5A2, SRD5A3, SRY, STAMBP, STAR, STRA6, SUCLG1, SUMF1, TAB2, TAF1, TAFAZZIN, TALDO1, TBC1D20, TBC1D23, TBC1D24, TBCE, TBL1XR1, TBX1, TBX15, TBX20, TBX3, TBX4, TBX5, TBX6, TCF12, TCF4, TCF4, TCF7L2, TCIRG1, TCOF1, TCTN1, TCTN2, TCTN3, TFAP2A, TFAP2B, TGFB2, TGFB3, TGFBR1, TGFBR2, TGIF1, TGM1, THRA, TINF2, TMCO1, TMEM138, TMEM165, TMEM231, TMEM237, TMEM67, TNNT2, TNNT1, TP63, TPM2, TPM3, TRAPPC9, TREX1, TRIM37, TRIP11, TRIP12, TRPS1, TRPV4, TSC1, TSC2, TSEN54, TTC21B, TTC37, TTC7A, TTC8, TTN, TUBA1A, TUBA1A, TUBA8, TUBB2B, TUBB4A, TUBGCP6, TWIST1, TWIST2, UBA1, UBR1, UMPS, UROS, VCAM1, VIPAS39, VLDLR, VPS13B, VPS33B, VSX2, WDPCP, WDR19, WDR35, WDR62, WNT10B, WNT5A, WNT7A, WRAP53, WT1, WWTR1, XRCC4, XYLT1, YY1, ZBTB18, ZC4H2, ZEB2, ZFP57, ZIC1, ZIC2, ZIC3, ZMPSTE24