



Seznam genů zahrnutých ve virtuálním panelu – Porucha vývoje pohlaví a hypospadie (FocusedExome)

Virtuální panel zahrnuje analýzu 297 genů:

AARS2, AGPAT2, AKR1C2, AKR1C3, ALDOA, ALMS1, AMH, AMHR2, AR, ARX, ATF3, ATM, ATP6VOA4, ATRX, AURKC, AXL, B3GALNT2, BCOR, BDNF, BMP15, BMP2, BMP4, BMP7, BMPR1B, BNC2, BRAF, BSCL2, BUB1B, CARD9, CASR, CAV1, CBX2, CCDC39, CDK9, CDKN1C, CEP41, CFTR, CLEC7A, CLPP, COL4A1, CREBBP, CTNS, CUL4B, CYB5A, CYP11A1, CYP11B1, CYP17A1, CYP19A1, CYP21A2, DAG1, DCAF17, DGKK, DHCR7, DHH, DHX37, DIAPH2, DMRT1, DNAH5, DPY19L2, DUOX1, DUOX2, DUOXA2, DUSP6, DYNC2H1, EIF2B1, EIF2B2, EIF2B3, EIF2B4, EIF2B5, ELN, ERCC3, ESR1, ESR2, F2, F5, FAM111B, FANCM, FGD1, FGF10, FGF17, FGF8, FGFR1, FGFR2, FGFR3, FIG4, FIGLA, FKRP, FKTN, FLRT3, FMR1, FOXE1, FOXL2, FRAS1, FSHB, FSHR, GALT, GATA4, GCM2, GDF9, GFAP, GHR, GHRHR, GLA, GLI1, GLI2, GLI3, GLIS3, GNAS, GNRH1, GNRHR, GTF2I, GTF2IRD1, H6PD, HAMP, HARS2, HDAC8, HESX1, HFE, HHAT, HOXA13, HOXD13, HRAS, HS6ST1, HSD11B1, HSD17B2, HSD17B3, HSD17B4, HSD3B1, HSD3B2, CHD7, IDH1, IDH2, IGF1, IGFALS, IGSF1, IL17F, IL17RA, IL17RD, INHA, INPP5E, INSL3, INSR, IRF6, IRS4, IYD, KDM6A, KISS1, KISS1R, KIT, KITLG, KLB, KLHL10, KMT2D, KRAS, LARS2, LEP, LEPR, LETM1, LHCGR, LHX3, LHX4, LHX8, LIMK1, LMNA, MAMLD1, MAP3K1, MCM5, MKRN3, MKS1, MRPS22, MSH4, MTHFR, NDN, NELFA, NKX2-1, NKX2-5, NLRP2, NOBOX, NOG, NROB1, NR3C1, NR5A1, NRAS, NSD1, NSMF, OTX2, PAX6, PAX8, PBX1, PCNT, PDE3A, PGM1, PGRMC1, PHF6, PLCZ1, PMM2, PNPLA6, POF1B, POLG, POLG2, POLR1C, POLR3A, POLR3B, POMGNT1, POMGNT2, POMK, POMT1, POMT2, POR, POU1F1, POU5F1, PPARG, PRKAR1A, PROC, PROK2, PROKR2, PROP1, PROS1, PSMC3IP, PTH1R, PTCH1, PTPN11, PUS1, RAB23, RAF1, RAI1, RBM28, RFC2, RNU4ATAC, RPL10, RRM2B, RSPO1, SAMD9, SECISBP2, SEMA3A, SEMA3E, SERPINC1, SERPINE1, SETD2, SHH, SIX3, SLC25A4, SLC26A4, SLC29A3, SLC37A4, SLC40A1, SLC5A5, SMAD4, SMC1B, SMO, SNRPN, SOHLH1, SOX10, SOX2, SOX3, SOX8, SOX9, SPRY4, SRA1, SRD5A2, SRY, STAR, STAT1, STAT3, STK11, SYCP3, TAC3, TACR3, TBL1X, TBX3, TCF12, TFR2, TG, TGFB1, THBD, THRA, THRB, TOE1, TPO, TRAF3IP2, TRH, TRHR, TRIM37, TSC1, TSC2, TSHB, TSHR, TSPYL1, TTF1, TWIST2, USP26, VPS13B, WDR11, WNT5A, WT1, WWOX, ZFPM2