

CENTOGENE's Prenatal Gene List

FOR CENTOXOME® AND CENTOGENOME® ANALYSIS

VALID FROM 18.11.2020

AAAS, AARS1, AARS2, ABAT, ABCA12, ABCA3, ABCB11, ABCB4, ABCB7, ABCC6, ABCC8, ABCC9, ABCD1, ABCD4, ABHD12, ABHD5, ACACA, ACAD9, ACADM, ACADS, ACADVL, ACAN, ACAT1, ACE, ACO2, ACOX1, ACP5, ACSL4, ACTA1, ACTA2, ACTB, ACTG1, ACTL6B, ACTN2, ACVR2B, ACVRL1, ACY1, ADA, ADAM17, ADAM22, ADAMTS19, ADAMTS2, ADAMTSL2, ADAR, ADARB1, ADAT3, ADCY5, ADGRG1, ADGRG6, ADGRV1, ADK, ADNP, ADPRHL2, ADSL, AFF2, AFG3L2, AGA, AGK, AGL, AGPAT2, AGPS, AGR2, AGRN, AGT, AGTPBP1, AGTR1, AGXT, AHCY, AHDC1, AHI1, AIFM1, AIMP1, AIPL1, AIRE, AK2, AKR1D1, AKT1, AKT2, AKT3, ALAD, ALDH18A1, ALDH1A3, ALDH3A2, ALDH4A1, ALDH5A1, ALDH6A1, ALDH7A1, ALDOA, ALDOB, ALG1, ALG11, ALG12, ALG13, ALG14, ALG2, ALG3, ALG6, ALG8, ALG9, ALOX12B, ALPL, ALS2, ALX3, ALX4, AMACR, AMER1, AMN, AMPD1, AMPD2, AMT, ANK2, ANK3, ANKH, ANKRD11, ANKS6, ANO10, ANO5, ANOS1, ANTXR1, ANTXR2, AP1B1, AP1S1, AP1S2, AP3B1, AP3B2, AP4B1, AP4E1, AP4M1, AP4S1, APC2, APTX, AR, ARCN1, ARFGF2, ARG1, ARHGAP31, ARHGDA, ARHGEF9, ARID1A, ARID1B, ARID2, ARL13B, ARL3, ARL6, ARL6IP1, ARMC4, ARMC9, ARNT2, ARSA, ARSB, ARSL, ARV1, ARX, ASAH1, ASCC1, ASH1L, ASL, ASNS, ASPA, ASPH, ASPM, ASS1, ASXL1, ASXL2, ASXL3, ATAD3A, ATCAY, ATIC, ATL1, ATM, ATOH7, ATP13A2, ATP1A1, ATP1A2, ATP1A3, ATP2B3, ATP5MD, ATP6AP2, ATP6V0A2, ATP6V0A4, ATP6V1A, ATP6V1B1, ATP6V1B2, ATP7A, ATP7B, ATP8A2, ATP8B1, ATR, ATRX, AUH, AUTS2, B3GALNT2, B3GALT6, B3GAT3, B3GLCT, B4GALNT1, B4GALT7, B4GAT1, B9D1, B9D2, BAG3, BANF1, BBS1, BBS10, BBS12, BBS2, BBS4, BBS5, BBS7, BBS9, BCAP31, BCKDHA, BCKDHB, BCKDK, BCL11A, BCOR, BCS1L, BGN, BHLHA9, BICD2, BIN1, BLM, BLNK, BMP1, BMP2, BMP4, BMPER, BMPR1B, BOLA3, BPTF, BRAF, BRAT1, BRCA1, BRCA2, BRD4, BRIP1, BRPF1, BRWD3, BSCL2, BSND, BTB, BTK, BUB1B, C12orf57, C12orf65, C15orf41, C19orf12, C1QBP, C2CD3, C8orf37, CA2, CA5A, CA8, CACNA1A, CACNA1C, CACNA1D, CACNA1E, CACNA1G, CAD, CAMK2A, CAMK2B, CAMTA1, CANT1, CARD11, CARS2, CASK, CASP10, CASR, CAV1, CAVIN1, CBL, CBS, CC2D1A, CC2D2A, CCBE1, CCDC103, CCDC114, CCDC115, CCDC151, CCDC22, CCDC39, CCDC40, 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COLEC10, COLEC11, COLQ, COMP, COQ2, COQ4, COQ6, COQ8A, COQ8B, COQ9, CORO1A, COX10, COX15, COX20, COX6B1, COX7B, CPLANE1, CPS1, CPT1A, CPT2, CRADD, CRB1, CRB2, CRBN, CREB3L1, CREBBP, CRELD1, CRIPT, CRKL, CRLF1, CRPPA, CRTAP, CRX, CRYAA, CRYAB, CSF1R, CSF2RB, CSF3R, CSNK1E, CSNK2A1, CSNK2B, CSPP1, CSTA, CSTB, CTC1, CTCF, CTDP1, CTNNA2, CTNNB1, CTNND1, CTNS, CTPS1, CTSB, CTSK, CTU2, CUL3, CUL4B, CUL7, CWC27, CWF19L1, CXCR4, Cxor56, CYB5R3, CYBA, CYBB, CYC1, CYP11A1, CYP11B1, CYP11B2, CYP17A1, CYP21A2, CYP24A1, CYP27A1, CYP27B1, CYP2U1, CYP4F22, CYP7B1, D2HGDH, DAG1, DARS1, DARS2, DBT, DCAF17, DCC, DCDC2, DCHS1, DCLRE1C, DCX, DDB2, DDC, DDHD1, DDHD2, DDR2, DDX11, DDX3X, DDX59, DDX6, DEAF1, DENND5A, DEPDC5, DGAT1, DGKE, DGUOK, DHCR24, DHCR7, DHDDS, DHH, DHODH, DHTKD1, DHX16, DHX30, DHX37, DIAPH1, DIS3L2, DKC1, DLAT, DLD, DLG3, DLG4, DLL1, DLL3, DLL4, DLX5, DMD, DMP1, DMPK, DMXL2, DNA2, DNAAF3, DNAAF4, DNAAF5, DNAH5, DNAH9, DNAJC12, DNAJC19, DNAJC3, DNAJC5, DNM1, DNM1L, DNM2, DNMT3A, DNMT3B, DOCK6, DOCK7, DOCK8, DOK7, DOLK, DPAGT1, DPF2, DPM1, DPM2, DPYD, DRC1, DSE, DSG1, DSP, DST, DSTYK, DTNA, DUOX2, DUOX2, DVL1, DVL3, DYM, DYNC1H1, DYNC2H1, DYRK1A, DYSF, EARS2, EBF3, EBP, ECEL1, ECHS1, EDA, EDAR, EDN3, EDNRA, EDNRB, EED, EEF1A2, EFEMP2, EFNB1, EFTUD2, EGR2, EHMT1, EIF2AK3, EIF2B1, EIF2B2, EIF2B3, EIF2B4, EIF2B5, EIF2S3, EIF4A3, ELAC2, ELANE, ELMO2, ELN, ELOVL4, ELP1, ELP2, EMC1, EMC10, EMD, EMG1, EMX2, ENG, ENPP1, ENTPD1, EOGT, EP300, EPB42, EPCAM, EPG5, EPHB4, EPM2A, EPRS1, ERCC1, ERCC2, ERCC3, ERCC4, ERCC5, ERCC6, ERCC6L2, ERCC8, ERF, ERLIN1, ERLIN2, ESCO2, ETFA, ETFB, ETFDH, ETHE1, EVC, EVC2, EXOC3L2, EXOSC3, EXOSC8, EXOSC9, EXPH5, EXT1, EXT2, EXTL3, EYA1, EZH2, F10, F13A1, F2, F7, F8, F9, FA2H, FADD, FAH, FAM111A, FAM126A, FAM149B1, FAM161A, FAM20A, FAM20C, FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, FAR1, FAR2, FAS, FASLG, FASTKD2, FAT4, FBLN5, FBN1, FBN2, FBP1, FBXL4, FBXO11, FBXW11, FBXW4, FCSK, FEZF1, FGA, FGB, FGD1, FGD4, FGF10, FGF12, FGF3, FGF8, FGF9, FGFR1, FGFR2, FGFR3, FGG, FH, FHL1, FIG4, FKBP10, FKBP14, FKR, FKTN, FLAD1, FLNA, FLNB, FLT4, FLVCR1, FLVCR2,

FMN2, FMR1, FN1, FOLR1, FOXC1, FOXC2, FOXE1, FOXE3, FOXF1, FOXG1, FOXL2, FOXN1, FOXP1, FOXP3, FOXRED1, FRAS1, FREM1, FREM2, FRMPD4, FRRS1L, FTCD, FTL, FTSJ1, FUCA1, FUT8, FXN, G6PC, G6PC3, GAA, GABBR2, GABRA1, GABRB1, GABRB2, GABRB3, GABRG2, GAD1, GALC, GALE, GALK1, GALNS, GALT, GAMT, GAN, GAS8, GATA1, GATA2, GATA3, GATA4, GATA6, GATAD2B, GATM, GBA, GBA2, GBE1, GCDH, GCH1, GCK, GDAP1, GDF1, GDF3, GDF5, GDF6, GDI1, GEMIN4, GFAP, GFER, GFM1, GFM2, GFPT1, GHR, GJA1, GJA8, GJB2, GJB3, GJC2, GK, GLA, GLB1, GLDC, GLDN, GLE1, GLI2, GLI3, GLIS2, GLIS3, GLMN, GLRX5, GLUD1, GLUL, GLYCTK, GM2A, GMNN, GMPPA, GMPPB, GNA11, GNAI3, GNAO1, GNAQ, GNAS, GNB1, GNB5, GNPAT, GNPTAB, GNPTG, GNS, GOLGA2, GORAB, GOSR2, GOT2, GPAA1, GPC3, GPC6, GPHN, GPSM2, GPT2, GPX4, GREB1L, GRHL2, GRHL3, GRIA2, GRIA3, GRID2, GRIK2, GRIN1, GRIN2A, GRIN2B, GRIN2D, GRIP1, GRM1, GRM7, GSS, GTF2H5, GTPBP1, GTPBP3, GUCY2C, GUF1, GUSB, GYS1, GZF1, H1-4, HACD1, HACE1, HADH, HADHA, HADHB, HARS1, HAX1, HBA1, HBA2, HBB, HCCS, HCFC1, 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KIDINS220, KIF11, KIF1A, KIF1C, KIF22, KIF2A, KIF5A, KIF5C, KIF7, KIFBP, KIRREL3, KLF1, KLHL15, KLHL40, KLHL41, KLHL7, KMT2A, KMT2B, KMT2C, KMT2D, KMT2E, KMT5B, KNL1, KPTN, KRAS, KRIT1, KRT10, KRT8, L1CAM, L2HGDH, LAMA1, LAMA2, LAMA3, LAMB1, LAMB2, LAMB3, LAMC2, LAMC3, LAMP2, LARGE1, LARP7, LARS2, LAS1L, LBR, LDB3, LEMD3, LETM1, LFNG, LGI4, LHX3, LHX4, LIAS, LIFR, LIG4, LINS1, LIPA, LIPT1, LMBRD1, LMNA, LMOD3, LMX1B, LONP1, LPIN2, LRBA, LRP2, LRP4, LRP5, LRPPRC, LRRC56, LRRC6, LTBP2, LTBP3, LYRM7, LYST, LZTFL1, LZTR1, MAB21L2, MACF1, MAF, MAFB, MAG, MAGEL2, MAGI2, MAGT1, MALT1, MAMLD1, MAN1B1, MAN2B1, MANBA, MAOA, MAP1B, MAP2K1, MAP2K2, MAP3K1, MAP3K7, MAPK8IP3, MAPRE2, MARS1, MASP1, MAT1A, MATN3, MBD5, MBOAT7, MBTPS2, MC2R, MCCC1, MCCC2, MCEE, MCOLN1, MCPH1, MDH2, MECOM, MECP2, MECR, MED12, MED13, MED13L, MED17, MED23, MED25, MEF2C, MEGF10, MEGF8, MEIS2, MEOX1, MESP2, METTL5, MFN2, MFRP, MFSD2A, MFSD8, MGAT2, MGME1, MGP, MICU1, MID1, MIPEP, MIR17HG, MITF, MKKS, MKS1, MLC1, MLPH, MLYCD, MMAA, MMAB, MMACHC, MMADHC, MMP13, MMP21, MMUT, MN1, MNX1, MOCS1, MOCS2, MOGS, MORC2, MORC2, MPDU1, MPDZ, MPI, MPLKIP, MPV17, MPZ, MRE11, MRPL3, MRPL44, MRPS2, MRPS22, MRPS34, MSL3, MSMO1, MSX1, MSX2, MTFMT, MTHFR, MTM1, MTO1, MTOR, MTR, MTRR, MTPP, MUSK, MUTYH, MVK, MYBPC1, MYBPC3, MYCN, MYD88, MYH3, MYH6, MYH7, MYH8, MYH9, MYL3, MYO18B, MYO5A, MYO5B, MYO7A, MYOD1, MYPN, MYT1L, NAA10, NAA15, NACC1, NADSYN1, NAGA, NAGLU, NAGS, NALCN, NANS, NARS1, NARS2, NAXD, NAXE, NBAS, NBEA, NBN, NCAPD3, NCKAP1L, NDE1, NDN, NDP, NDST1, NDUFA1, NDUFA10, NDUFA11, NDUFA12, NDUFA13, NDUFA2, NDUFA6, NDUFA9, NDUFAF1, NDUFAF2, NDUFAF3, NDUFAF4, NDUFAF5, NDUFAF6, NDUFAF8, NDUFB3, NDUFB8, NDUFS1, NDUFS2, NDUFS3, NDUFS4, NDUFS6, NDUFS7, NDUFS8, NDUFV1, NDUFV2, NEB, NECAP1, NECTIN1, NECTIN4, NEDD4L, NEK1, NEK8, NEMF, NEU1, NEUROG3, NEXMIF, NF1, NFASC, NFIA, NFIB, NFIX, NFKBIA, NFU1, NGF, NGLY1, NHEJ1, NHLRC1, NHP2, NHS, NIPAL4, NIPBL, NKX2-1, NKX2-5, NKX2-6, NKX3-2, NKX6-2, NLRC4, NLRP3, NMNAT1, NNT, NODAL, NOG, NONO, NOTCH1, NOTCH2, NOTCH3, NOVA2, NPC1, NPC2, NPHP1, NPHP3, NPHP4, NPHS1, NPHS2, NPR2, NROB1, NR1H4, NR2F1, NR2F2, NR3C2, NR5A1, NRAS, NRXN1, NRXN3, NSD1, NSDHL, NSUN2, NT5C2, NT5C3A, NTNG2, NTRK1, NTRK2, NUBPL, NUDT2, NUP107, NUP188, NYX, OBSL1, OCLN, OCRL, ODAPH, OFD1, OGDH, OLA1, OPA1, OPA3, OPHN1, ORC1, ORC4, ORC6, OSGEP, OSTM1, OTC, OTOGL, OTUD5, OTUD6B, OTULIN, OTX2, OXCT1, OXR1, P3H1, P4HB, PACS1, PACS2, PAFAH1B1, PAH, PAK3, PALB2, PAM16, PANK2, PAPSS2, PARN, PARS2, PAX2, PAX3, PAX6, PAX8, PC, PCARE, PCBD1, PCCA, PCCB, PCDH15, PCDH19, PCGF2, PCK1, PCNT, PCYT1A, PCYT2, PDCD10, PDE10A, PDE4D, PDE6D, PDE6G, PDGFRB, PDHA1, PDHB, PDHX, PDP1, PDSS2, PDX1, PEPD, PERCC1, PET100, PEX1, PEX10, PEX11B, PEX12, PEX13, PEX14, PEX16, PEX19, PEX2, PEX26, PEX3, PEX5, PEX6, PEX7, PGAP1, PGAP2, PGAP3, PGK1, PGM1, PGM3, PHACTR1, PHEX, PHF21A, PHF6, PHF8, PHGDH, PHIP, PHKG2, PHOX2B, PIEZO1, PIEZO2, PIGA, PIGG, PIGK, PIGL, PIGN, PIGO, PIGQ, PIGS, PIGT, PIGV, PIGY, PIH1D3, PIK3CA, 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RAI1, RALGAPA1, RAPSN, RARB, RARS1, RARS2, RASA1, RAX, RB1, RBBP8, RBCK1, RBM10, RBM8A, RBPJ, RDH11, RELN, REN, RERE, RET, RETREG1, RFT1, RFX5, RFX6, RHOA, RHOB2, RIC1, RIMS2, RIN2, RIPK4, RIT1, RLIM, RMND1,

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