

Genes analyzed by the CBR Portrait™ genetic test



by CooperSurgical®

CBR Portrait™ analyzes 600+ genes and provides a deeper look at genetic conditions, allowing even more genetic causes to be detected.¹



Blood

ACVRL1, ADAMTS13, ANK1, ELANE, ENG, EPB42, F9, HAX1, HBA1, HBA2, HBB, MPL, SLC4A1, SPTB



Cancer

BMPRI1A, ERCC2, ERCC3, ERCC5, FANCA, FANCC, FANCG, MEN1, NF1, NF2, PIK3CA, PMS2, PTCH1, RB1, SMAD4, STK11, VHL, WT1, XPA, XPC



Cardio

ACTC1, ACVR2B, AKT3, ARL6, ARMC4, B9D1, B9D2, BBS1, BBS10, BBS12, BBS2, BBS4, BBS5, BBS7, BBS9, BRAF, CBL, CC2D2A, CCDC103, CCDC114, CCDC151, CCDC28B, CCDC39, CCDC40, CCDC65, CCNO, CEP290, CFAP298, CFAP53, CHD7, CITED2, CRELD1, DNAAF1, DNAAF2, DNAAF3, DNAAF4, DNAAF5, DNAH11, DNAH5, DNAI1, DNAI2, DNAL1, DRC1, DTNA, ELN, FBN1, FLNA, FOXF1, FOXH1, GATA4, GATA6, GDF1, GPC3, HAND1, HRAS, JAG1, KCNQ1, KIF7, KRAS, LEFTY2, MAP2K1, MAP2K2, MCIDAS, MED13L, MKKS, MKS1, MMP21, MYH6, NEK8, NKX2-5, NKX2-6, NME8, NODAL, NOTCH1, NPHP3, NR2F2, NRAS, NSD1, OFD1, PIK3R2, PTPN11, RAF1, RAI1, RBM10, RIT1, RRGRIPL, SEMA3E, SHOC2, SMAD3, SMAD6, SOS1, SPAG1, TAB2, TAZ, TBX1, TBX20, TBX5, TCTN2, TGFBR1, TGFBR2, TLL1, TMEM216, TMEM231, TMEM67, TRIM32, TTC8, WDPCP, ZFPM2, ZIC3, ZMYND10



Epilepsy

ADRA2B, ALDH7A1, ASAH1, ETHE1, KCNQ2, KCNQ3, KCNT1, MECP2, PCDH19, PNPO, PRRT2, SCN1A, SCN2A, SCN8A, SLC19A3, SLC6A8, STXBP1, TSC1, TSC2



Hearing Loss

ABHD12, ACTB, ACTG1, ADCY1, ADGRV1, AIFM1, ALMS1, AMMECR1, ATP6V1B1, BCS1L, BDP1, BSND, CABP2, CACNA1D, CATSPER2, CCDC50, CDC42, CDH23, CEACAM16, CHSY1, CIB2, CISD2, CLDN14, CLIC5, CLPP, CLRN1, COCH, COL11A1, COL11A2, COL2A1, COL4A6, COL9A1, COL9A2, COL9A3, CRYL1, CRYM, DCDC2, DIABLO, DIAPH1, DIAPH3, DNMT1, DSPP, EDN3, EDNRB, ELMOD3, EPS8, ESPN, ESRRB, EYA1, EYA4, FGF3, FGFR1, FGFR2, FOXI1, GATA3, GIPC3, GJA1, GJB2, GJB3, GJB6, GPSM2, GRHL2, GRXCR1, GRXCR2, GSDME, HARS, HARS2, HGF, HOMER2, HOXB1, HSD17B4, ILDR1, KARS, KCNE1, KCNJ10, KCNQ4, KITLG, LARS2, LHFPL5, LOXHD1, LRP2, LRTOMT, MARVELD2, MET, MIR96, MITF, MSRB3, MYH14, MYH9, MYO15A, MYO1C, MYO3A, MYO6, MYO7A, NARS2, NDP, NLRP3, OSBPL2, OTOA, OTOF, OTOG, OTOGL, P2RX2, PAX3, PCDH15, PDZD7, PEX1, PEX6, PJVK, PMP22, PNPT1, POLR1C, POLR1D, POU3F4, POU4F3, PRPS1, PTPRQ, RDX, RIPOR2, SERPINB6, SIX1, SIX5, SLC17A8, SLC19A2, SLC26A4, SLC26A5, SLC4A11, SLC52A2, SLC52A3, SLITRK6, SMPX, SNAI2, SOX10, STRC, SYNE4, TBC1D24, TBL1X, TCOF1, TECTA, TFAP2A, TIMM8A, TJP2, TMC1, TMEM132E, TMIE, TMPRSS3, TNC, TPRN, TRIOBP, TSPEAR, TYR, USH1C, USH1G, USH2A, WFS1, WHRN



Immunodeficiency

ADA, AK2, ATM, B2M, BLM, BTK, CARD11, CD247, CD27, CD3D, CD3E, CD3G, CD40, CD40LG, CD8A, CORO1A, CTC1, CYBA, CYBB, DCLRE1C, DKC1, DNMT3B, DOCK8, FOXP1, FOXP3, ICOS, IFNGR1, IKBKB, IL12RB1, IL21R, IL2RA, IL2RG, IL7R, IRF8, ITGB2, ITK, JAK3, LCK, LIG4, LRBA, MAGT1, MALT1, NBN, NCF2, NFKBIA, NHEJ1, NHP2, ORAI1, PGM3, PIK3CD, PIK3R1, PNP, POLE, PRF1, PRKDC, PTPRC, RAC2, RAG1, RAG2, RFX5, RFXANK, RFXAP, RMRP, RTEL1, SH2D1A, SMARCAL1, SP110, SPINK5, STAT1, STAT3, STAT5B, STIM1, STK4, TERC, TERT, TINF2, TTC7A, TYK2, WAS, ZAP70, ZBTB24

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Metabolic

ABCC8, ABCD1, ABCG5, ACAD8, ACADM, ACADVL, ACAT1, AGL, AGXT, AKR1D1, ALDOB, ALPL, AQP2, ARG1, ARSA, ARSB, ASL, ASPA, ASS1, ATP7A, ATP7B, AVPR2, BCKDHA, BCKDHB, BTBD, CASR, CBS, CIIITA, CLN3, CLN5, CLN6, CLN8, CPS1, CPT1A, CPT2, CTNS, CYP11B1, CYP11B2, CYP17A1, CYP27A1, CYP27B1, DBT, DLD, DUOX2, DUOX2, ETFA, ETFB, ETFDH, FAH, FBP1, FOLR1, G6PC, G6PD, GAA, GALC, GALE, GALK1, GALNS, GALT, GAMT, GATM, GBA, GCDH, GCH1, GLA, GLB1, GLUD1, GNPTAB, GRHPR, GSS, GUSB, GYS2, HADH, HADHA, HADHB, HEXA, HLCS, HMGCL, HMGCS2, HNF4A, HOGA1, HPD, HSD3B2, HSD3B7, IDS, IDUA, IGSF1, INS, INVS, IVD, IYD, KCNJ11, LAMP2, LDLR, LHX3, LIPA, LMBRD1, LPL, MAN2B1, MANBA, MAT1A, MC2R, MCCC1, MCCC2, MCEE, MFSD8, MLYCD, MMAA, MMAB, MMACHC, MMADHC, MPI, MTR, MTRR, MTTP, MUT, NAGS, NPC1, NROB1, OTC, PAH, PAX8, PCBD1, PCCA, PCCB, PHEX, PHGDH, PHKB, PKLR, POLG, POR, POU1F1, PPT1, PROP1, PTS, PYGL, QDPR, SCNN1A, SCNN1B, SLC22A5, SLC25A13, SLC25A15, SLC25A20, SLC2A1, SLC3A3, SLC37A4, SLC39A4, SLC5A5, SLC7A7, SMPD1, SPR, STAR, SURF1, TAT, TCN2, TG, TH, THRA, TPO, TPP1, TRHR, TRMU, TSHB, TSHR, TWNK, UGT1A1, VDR



MODY & Neonatal Disorder

AKT2, BLK, CEL, CP, EIF2AK3, GCK, GLIS3, HNF1A, HNF1B, IER3IP1, INSR, KLF11, NEUROD1, NEUROG3, PAX4, PDX1, PPARG, PTF1A, RFX6, SLC16A1, SLC2A2, UCP2, ZFP57



Vision Loss

BCOR, GPR143, HPS1, HPS4, OAT, OPA1, PITX2, SLC45A2



Other

ANKH, CFTR, COL1A1, COL1A2, COL4A3, COL4A4, COL4A5, CRLF1, MEFV, NTRK1, PKD2, PKHD1, SMN1, SMN2, TCIRG1, TTPA