



Express Gene™ Eye Disorder and Retinopathies Panel

List of 323 genes covered in the panel:

ABCA4, ABCB6, ABCC6, ABCD1, ABHD12, ACBD5, ACO2, ACTB, ADAM9, ADAMTS18, ADGRV1, ADIPOR1, AGBL1, AGBL5, AGK, AIPL1, ALDH1A3, AMACR, ARHGEF18, ARL2BP, ARL3, ARL6, ATF6, ATOH7, ATXN7, AUH, BBIP1, BBS1, BBS10, BBS12, BBS2, BBS4, BBS5, BBS7, BBS9, BCOR, BEST1, BFSP1, BFSP2, BLOC1S3, BLOC1S6, BMP4, C21orf2, C2orf71, C1QTNF5, C8orf37, CABP4, CACNA1F, CACNA2D4, CAPN5, CAV1, CC2D2A, CDH23, CDH3, CDHR1, CEP250, CEP290, CERKL, CFH, CFI, CHD7, CHM, CHMP4B, CHN1, CHST6, CIB2, CLDN19, CLRN1, CNGA1, CNGA3, CNGB1, CNGB3, CNNM4, COL18A1, COL4A1, COL8A2, CRB1, CRX, CRYAA, CRYAB, CRYBA1, CRYBA2, CRYBA4, CRYBB1, CRYBB2, CRYBB3, CRYGB, CRYGC, CRYGD, CRYGS, CST3, CTDPI, CTNNA1, CTNNB1, CTSD, CX3CR1, CYP1B1, CYP4V2, DCN, DHDDS, DHX38, DRAM2, DTNBP1, EFEMP1, ELOVL4, EMC1, EPHA2, EYA1, EYS, FAM161A, FBLN5, FLVCR1, FOXC1, FOXE3, FOXL2, FRMD7, FSCN2, FYCO1, FZD4, GALK1, GCNT2, GDF3, GDF6, GFER, GJA1, GJA3, GJA8, GJB2, GJB6, GNAT1, GNAT2, GNB3, GPR143, GPR179, GRK1, GRM6, GUCA1A, GUCA1B, GUCY2D, HARS, HGSNAT, HK1, HMCN1, HMX1, HSF4, HTRA1, IARS2, IDH3A, IDH3B, IFT140, IFT172, IFT27, IGFBP7, IMPDH1, IMPG1, IMPG2, IQCB1, ITM2B, JAM3, KCNJ13, KCNV2, KERA, KIAA1549, KIF21A, KIZ, KLHL7, KRT12, KRT3, LCA5, LCAT, LEMD2, LIM2, LOXL1, LRAT, LRIT3, LRP5, LSS, LTBP2, LZTFL1, MAB21L2, MAF, MAK, MERTK, MFRP, MIP, MIR184, MKKS, MKS1, MSMO1, MYOC, NAA10, NDP, NEK2, NHS, NMNAT1, NR2E3, NR2F1, NRL, NTF4, NYX, OAT, OFD1, OPA1, OPA3, OPTN, OTX2, OVOL2, P3H2, PAX6, PCDH15, PCYT1A, PDE6A, PDE6B, PDE6C, PDE6G, PDE6H, PDZD7, PHOX2A, PIKFYVE, PITPNM3, PITX2, PITX3, PLA2G5, PLK4, POC1B, PRCD, PRDM5, PROM1, PRPF3, PRPF31, PRPF4, PRPF6, PRPF8, PRPH2, PRSS56, PXDN, RAB28, RARB, RAX, RAX2, RB1, RBP3, RBP4, RD3, RDH11, RDH12, RDH5, REEP6, RGR, RGS9, RGS9BP, RHO, RIMS1, RLBP1, ROBO3, ROM1, RP1, RP1L1, RP2, RP9, RPE65, RPGR, RPGRIP1, RS1, RTN4IP1, SAG, SALL2, SDCCAG8, SEMA4A, SIPA1L3, SIX6, SLC16A12, SLC24A1, SLC33A1, SLC38A8, SLC4A11, SLC4A4, SLC7A14, SMOC1, SNRNP200, SOX2, SPATA7, STRA6, TACSTD2, TCF4, TDRD7, TEAD1, TENM3, TFAP2A, TGFBI, TIMP3, TMEM126A, TOPORS, TRIM32, TRNT1, TRPM1, TSPAN12, TTC8, TTLL5, TUB, TUBB3, TUBGCP4, TUBGCP6, TULP1, UBIAD1, UNC119, UNC45B, USH1C, USH1G, USH2A, VAX1, VCAN, VIM, VSX1, VSX2, WDR36, WFS1, WHRN, YAP1, ZEB1, ZNF408, ZNF469, ZNF513

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