



Molecular Vision Laboratory

Retinal Dystrophy Panel (ver. 11) Gene List

ABCA4, ABCC6, ABCD1, ABHD12, ACBD5, ACO2, ADAM9, ADAMTS18, AHI1, AIPL1, ALMS1, AMACR, ARL2BP, ARL3, ARL6, ARL13B, ATF6, B9D1, B9D2, BBIP1, BBS1, BBS2, BBS4, BBS5, BBS7, BBS9, BBS10, BBS12, BEST1, C1QTNF5, C1orf186, C2orf71, C5orf42, C8orf37, C12orf65, C21orf2, CA4, CABP4, CACNA1F, CACNA2D4, CC2D2A, CDH3, CDH23, CDHR1, CEP41, CEP164, CEP250, CEP290/BBS14, CERKL, CFH, CHM, CIB2, CISD2, CKAP4, CLN3, CLN5, CLN6, CLN8, CLN13, CLN14, CLRN1, CNGA1, CNGA3, CNGB1, CNGB3, CNNM4, COH1, CRB1, CRX, CSPP1, CTNNA1, CTSD, CYP4V2, DFNB31, DGKQ, DHDDS, DHX38, DNAJC5, DRAM2, DTHD1, EFEMP1, ELOVL4, EMC1, EYS, FAM161A, FLVCR1, FSCN2, FZD4, GDF6, GJB2, GJB6, GNAT1, GNAT2, GPR98, GPR125, GPR179, GRK1, GRM6, GRN, GUCA1A, GUCA1B, GUCY2D, HARS, HCN1, HGSNAT, HK1, HMCN1, HMX1, IDH3B, IFT27, IFT81, IFT140, IFT172, IMPDH1, IMPG1, IMPG2, INPP5E, INVS, IQCB1, ITM2B, JAG1, KCNJ13, KCNV2, KIAA1549, KIF7, KIF11, KIZ, KLHL7, LAMA1, LCA5, LRAT, LRIT3, LRP5, LZTFL1, LHON, MAK, MELAS, MERTK, MFN2, MFRP, MFSD8, MIR204, MKKS, MKS1, MMACHC, MTPP, MYO7A, MVK, NDP, NEK2, NEUROD1, NMNAT1, NPHP1, NPHP3, NPHP4, NR2E3, NR2F1, NRL, NYX, OAT, OFD1, OPA1, OPA3, OPN1LW, OPN1MW, OR2W3, OTX2, PANK2, PAX2, PCDH15, PDE6A, PDE6B, PDE6C, PDE6D, PDE6G, PDE6H, PDZD7, PEX1, PEX2, PEX3, PEX5, PEX6, PEX7, PEX10, PEX11B, PEX12, PEX13, PEX14, PEX16, PEX19, PEX26, PGK1, PHYH, PITPNM3, PLA2G5, PLK4, PNPLA6, POC1B, PPT1, PRCD, PROM1, PRPF3, PRPF4, PRPF6, PRPF8, PRPF31, PRPS1, RAB28, RAX2, RBP3, RBP4, RD3, RDH5, RDH11, RDH12, PRPH2, RGR, RGS9, RGS9BP, RHO, RIMS1, RLBP1, ROM1, RP1, RP1L1, RP2, RP9, RPE65, RPGR, RPGRIP1, RPGRIP1L, RS1, RTN4IP1, SAG, SDCCAG8, SEMA4A, SLC4A7, SLC7A14, SLC24A1, SLC25A46, SNRNP200, SPATA7, SPP2, TCTN1, TCTN2, TCTN3, TEAD1, TIMM8A, TIMP3, TMEM67, TMEM126A, TMEM138, TMEM216, TMEM231, TMEM237, TOPORS, TPP1, TREX1, TRIM32, TRNT1, TRPM1, TSPAN12, TTC8, TTC21B, TTLL5, TTPA, TUB, TUBGCP6, TUBGCP4, TULP1, UNC119, USH1C, USH1G, USH2A, VCAN, WDPCP, WDR19, WFS1, ZNF408, ZNF423, ZNF513