

Retinal Dystrophy Panel (279 genes)

ABCA4
ABCC6
ABCD1
ABHD12
ACBD5
ACO2
ADAM9
ADAMTS18
ADGRA3 (aka GPR125)
ADGRV1 (aka GPR98)
AHI1
AIPL1
ALMS1
AMACR
ARL13B
ARL2BP
ARL3
ARL6
ATF6
B9D1
B9D2
BBIP1
BBS1
BBS2
BBS4
BBS5
BBS7
BBS9
BBS10
BBS12
BEST1
C8orf37
C12orf65
C1QTNF5
CA4
CABP4
CACNA1F
CACNA2D4
CC2D2A
CDH3

CDH15
CDH23
CDHR1
CEP41
CEP164
CEP250
CEP290 (aka BBS14)
CERKL
CFAP410 (aka C21orf2)
CFH
CHM
CIB2
CISD2
CKAP4
CLN3
CLN5
CLN6
CLN8
CLRN1
CNGA1
CNGA3
CNGB1
CNGB3
CNNM4
CNST (aka C1orf71)
CPLANE1 (aka C5orf42)
CRB1
CRX
CSPP1
CTNNA1
CTSD
CTSF
CYP4V2
DGKQ
DHDDS
DHX38
DNAJC5
DRAM2
DTHD1
EFEMP1

ELOVL4
EMC1
EYS
FAM161A
FLVCR1
FSCN2
FZD4
GDF6
GJB2
GJB6
GNAT1
GNAT2
GPR179
GRK1
GRM6
GRN
GUCA1A
GUCA1B
GUCY2D
HARS1
HCN1
HGSNAT
HK1
HMCN1
HMX1
IDH3B
IFT27
IFT81
IFT140
IFT172
IMPDH1
IMPG1
IMPG2
INPP5E
INVS
IQCB1
ITM2B
JAG1
KCNJ13
KCNV2

Retinal Dystrophy Panel (279 genes), continued

KCTD7 (aka CLN14)
KIAA1549
KIF7
KIF11
KIZ
KLHL7
LAMA1
LCA5
LRAT
LRIT3
LRP5
LZTFL1
MAK
MERTK
MFN2
MFRP
MFSD8
MKKS
MKS1
MMACHC
MTTP
MVK
MYO7A
NDP
NEK2
NEUROD1
NMNAT1
NPHP1
NPHP3
NPHP4
NR2E3
NR2F1
NRL
NYX
OAT
OFD1
OPA1
OPA3
OR2W3
OTX2

PANK2
PAX2
PCARE (aka C2orf71)
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
PMPCA
PNPLA6
POC1B
PPT1
PRCD
PRKCG
PROM1
PRPF3
PRPF4
PRPF6

PRPF8
PRPF31
PRPH2 (aka RDS)
PRPS1
RAB28
RAX2
RBP3
RBP4
RD3
RDH5
RDH11
RDH12
RGR
RGS9
RGS9BP
RHO
RIMS1
RLBP1
ROM1
RP1
RP1L1
RP2
RP9
RPE65
RPGR
RPGRIP1
RPGRIP1L
RS1
RTN4IP1
SAG
SDCCAG8
SEMA4A
SLC24A1
SLC25A46
SLC4A7
SLC7A14
SNRNP200
SPATA7
SPP2
TCTN1

Retinal Dystrophy Panel (279 genes), continued

TCTN2
TCTN3
TEAD1
TIMM8A
TIMP3
TMEM67
TMEM126A
TMEM138
TMEM216
TMEM231
TMEM237
TOPORS
TPP1
TREX1
TRIM32
TRNT1
TRPM1
TSPAN12
TTC8
TTC21B
TTLL5
TTLL10
TTPA
TUB
TUBGCP4
TUBGCP6
TULP1
UNC119
USH1G
USH2A
VCAN
VPS13B (aka COH1)
WDPCP
WDR19
WFS1
WHRN (aka DFNB31)
ZNF408
ZNF423
ZNF513