

ID YOUR IRD® Testing Panel

The only way to confirm that your patient has an inherited retinal disease (IRD) is with a genetic test. Through the **ID YOUR IRD gene testing initiative**, Spark Therapeutics supports people living with certain IRDs by providing genetic information that can empower their decisions. The ID YOUR IRD panel tests for mutations in **approximately 250 genes** that are known to cause IRDs.



INHERITED RETINAL DISEASE
GENE TESTING INITIATIVE

Visit IDYOURIRD.com for more information or to order free* test kits.

| GENE | DISEASE CATEGORY† | GENE | DISEASE CATEGORY† |
|------------------------------|---|-----------------------------|--|
| <i>ABCA4</i> | Stargardt disease, autosomal recessive Cone or cone-rod dystrophy, autosomal recessive ^{1,2} | <i>BBS2</i> | Bardet-Biedl syndrome, autosomal recessive Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>ABHD12^{1†}</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} | <i>BBS4</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} |
| <i>ACBD5</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} | <i>BBS5</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} |
| <i>AC02^{1†}</i> | Optic atrophy, autosomal recessive Infantile cerebellar-retinal degeneration, autosomal recessive ^{1,2} | <i>BBS7</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} |
| <i>ADAM9^{1†}</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} | <i>BBS9^{1†}</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} |
| <i>ADAMTS18</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} | <i>BBS10</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} |
| <i>ADGRA3^{1†}</i> | Retinitis pigmentosa, autosomal recessive (aka <i>GPR125</i>) ^{1,2} | <i>BBS12</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} |
| <i>ADGRV1^{1†}</i> | Usher syndrome, autosomal recessive ^{1,2} | <i>BEST1</i> | Vitelliform macular degeneration (Best disease), autosomal dominant and recessive Retinitis pigmentosa, autosomal dominant and recessive ^{1,2} |
| <i>ADIPOR1</i> | Retinitis pigmentosa, autosomal dominant Bardet-Biedl syndrome, autosomal recessive ^{1,2} | <i>C10TNF5</i> | Macular dystrophy, autosomal dominant ^{1,2} |
| <i>AGBL5</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>C21orf2^{1†}</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} |
| <i>AHI1^{1†}</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} | <i>C2orf71</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>AHR^{1†}</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>C8orf37^{1†}</i> | Bardet-Biedl syndrome, autosomal recessive Cone-rod dystrophy, autosomal recessive ^{1,2} |
| <i>AIPL1</i> | Cone or cone-rod dystrophy, autosomal dominant Leber congenital amaurosis, autosomal recessive ^{1,2} | <i>CA4</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} |
| <i>ARHGEF18^{1†}</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>CABP4</i> | Congenital stationary night blindness, autosomal recessive ^{1,2} |
| <i>ARL13B</i> | Joubert syndrome, autosomal recessive ² | <i>CACNA1F</i> | Cone or cone-rod dystrophy, X-linked ^{1,2} |
| <i>ARL2BP^{1†}</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>CACNA2D4</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} |
| <i>ARL3</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} | <i>CAPN5</i> | Other retinopathy, autosomal dominant ^{1,2} |
| <i>ARL6</i> | Retinitis pigmentosa, autosomal recessive Bardet-Biedl syndrome, autosomal recessive ^{1,2} | <i>CC2D2A</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>ARMC9^{1†}</i> | Joubert syndrome, autosomal recessive ² | <i>CCT2^{1†}</i> | Leber congenital amaurosis, autosomal recessive ^{1,2} |
| <i>ARSG^{1†}</i> | Usher syndrome, autosomal recessive ^{1,2} | <i>CDH23</i> | Usher syndrome, autosomal recessive and digenic recessive ^{1,2} |
| <i>ASRGL1^{1†}</i> | Other retinopathy, autosomal recessive ^{1,2} | <i>CDH3</i> | Other retinopathy, autosomal recessive ^{1,2} |
| <i>ATF6</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} | <i>CDHR1^{1†}</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} |
| <i>ATOH7</i> | Nonsyndromal congenital retinal nonattachment, autosomal recessive (aka <i>RNANC</i>) ² | <i>CEP19^{1†}</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} |
| <i>BBIP1</i> | Retinitis pigmentosa, autosomal recessive Bardet-Biedl syndrome, autosomal recessive ^{1,2} | <i>CEP41</i> | Joubert syndrome, autosomal recessive ² |
| <i>BBS1^{1†}</i> | Retinitis pigmentosa, autosomal recessive Bardet-Biedl syndrome, autosomal recessive ^{1,2} | <i>CEP78^{1†}</i> | Cone or cone-rod dystrophy with hearing loss, autosomal recessive ^{1,2} |
| | | <i>CEP83</i> | Infantile nephronophthisis with occasional retinopathy ² |
| | | <i>CEP164^{1†}</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |

| GENE | DISEASE CATEGORY[†] | GENE | DISEASE CATEGORY[†] |
|----------------------------|---|------------------------------|--|
| <i>CEP250</i> | Usher syndrome, autosomal recessive ^{1,2} | <i>FSCN2</i> | Macular dystrophy, autosomal dominant ^{1,2} |
| <i>CEP290</i> | Leber congenital amaurosis, autosomal recessive Joubert syndrome, autosomal recessive ^{1,2} | <i>FZD4</i> | Other retinopathy, autosomal dominant ^{1,2} |
| <i>CERKL</i> | Cone or cone-rod dystrophy, autosomal recessive Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>GDF6</i> | Leber congenital amaurosis, autosomal recessive ^{1,2} |
| <i>CHM</i> | Choroideremia, X-linked ^{1,2} | <i>GNAT1</i> | Congenital stationary night blindness, autosomal dominant ^{1,2} |
| <i>CIB2</i> | Deafness alone or syndromic, autosomal recessive ^{1,2} | <i>GNAT2</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} |
| <i>CLCC1^{††}</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>GNB3</i> | Congenital stationary night blindness, autosomal recessive ^{1,2} |
| <i>CLN3^{††}</i> | Juvenile neuronal ceroid lipofuscinosis, autosomal recessive ^{1,2} | <i>GNPTG</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>CLRN1</i> | Retinitis pigmentosa, autosomal recessive Usher syndrome, autosomal recessive ^{1,2} | <i>GRM6</i> | Congenital stationary night blindness, autosomal recessive ^{1,2} |
| <i>CLUAP1</i> | Leber congenital amaurosis, autosomal recessive ^{1,2} | <i>GUCA1A</i> | Cone or cone-rod dystrophy, autosomal dominant ^{1,2} |
| <i>CNGA1</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>GUCA1B</i> | Macular dystrophy, autosomal dominant ^{1,2} |
| <i>CNGA3</i> | Achromatopsia, autosomal recessive Cone or cone-rod dystrophy, autosomal recessive ^{1,2} | <i>GUCY2D</i> | Leber congenital amaurosis, autosomal recessive ^{1,2} |
| <i>CNGB1^{††}</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>HARS</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>CNGB3</i> | Achromatopsia, autosomal recessive Cone or cone-rod dystrophy, autosomal recessive ^{1,2} | <i>HGSNAT^{††}</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>CNNM4</i> | Cone or cone-rod dystrophy, autosomal recessive Jalili syndrome, autosomal recessive ^{1,2} | <i>HK1</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} |
| <i>COL2A1</i> | Stickler syndrome, autosomal dominant ^{1,2} | <i>HMX1</i> | Oculoauricular syndrome, autosomal recessive ^{1,2} |
| <i>COL9A1</i> | Stickler syndrome, autosomal recessive ^{1,2} | <i>IDH3A^{††}</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>CRB1</i> | Leber congenital amaurosis, autosomal recessive Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>IDH3B</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>CRX</i> | Leber congenital amaurosis, autosomal recessive ^{1,2} | <i>IFT27</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} |
| <i>CSPP1^{††}</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} | <i>IFT43</i> | Nonsyndromic early onset retinitis pigmentosa, autosomal recessive Sensenbrenner syndrome, autosomal recessive ² |
| <i>CTNNA1</i> | Macular dystrophy, autosomal dominant ^{1,2} | <i>IFT80^{††}</i> | Syndromic ciliopathy with retinal degeneration, autosomal recessive ² |
| <i>CWC27^{††}</i> | Retinitis pigmentosa with or without skeletal abnormalities ² | <i>IFT81</i> | Syndromic ciliopathy with retinal degeneration, autosomal recessive ^{1,2} |
| <i>CYP4V2^{††}</i> | Other retinopathy, autosomal recessive ^{1,2} | <i>IFT140^{††}</i> | Leber congenital amaurosis, autosomal recessive ^{1,2} |
| <i>DHDDS</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>IFT172</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} |
| <i>DHX38</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>IMPDH1</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} |
| <i>DRAM2^{††}</i> | Macular dystrophy, autosomal recessive ^{1,2} | <i>IMPG1^{††}</i> | Macular dystrophy, autosomal dominant ^{1,2} |
| <i>DTHD1</i> | Leber congenital amaurosis, autosomal recessive ^{1,2} | <i>IMPG2</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>EFEMP1</i> | Doyme honeycomb maculopathy (Malattia leventinese), autosomal dominant ^{1,2} | <i>INPP5E</i> | Joubert syndrome, mental retardation, truncal obesity, retinal dystrophy, and micropenis (MORM syndrome), autosomal recessive ^{1,2} |
| <i>ELOVL4</i> | Stargardt disease, autosomal dominant ^{1,2} | <i>INVS</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>EMC1^{††}</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>IQCB1^{††}</i> | Leber congenital amaurosis, autosomal recessive Senior-Loken syndrome, autosomal recessive (aka <i>NPHP5</i>) ^{1,2} |
| <i>EXOSC2</i> | Syndromic retinitis pigmentosa, autosomal recessive ^{1,2} | <i>JAG1</i> | Syndromic/systemic diseases with retinopathy, autosomal dominant ^{1,2} |
| <i>EYS</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>KCNJ13</i> | Leber congenital amaurosis, autosomal recessive ^{1,2} |
| <i>FAM161A</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>KCNV2</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} |
| <i>FLVCR1</i> | Childhood onset syndromic retinitis pigmentosa, autosomal recessive ^{1,2} | <i>KIAA1549^{††}</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>FRMD7</i> | Infantile nystagmus, X-linked ² | <i>KIF11</i> | Syndromic/systemic diseases with retinopathy, autosomal dominant ^{1,2} |

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|----------------------------|--|-----------------------------|--|
| <i>KIZ</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>PDZD7</i> | Deafness alone or syndromic, autosomal recessive ^{1,2} |
| <i>KLHL7</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} | <i>PEX1</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>LCA5^{tr}</i> | Leber congenital amaurosis, autosomal recessive ^{1,2} | <i>PEX2</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>LRAT</i> | Leber congenital amaurosis, autosomal recessive Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>PEX3</i> | Peroxisome biogenesis disorder, autosomal recessive ² |
| <i>LRIT3</i> | Congenital stationary night blindness, autosomal recessive ^{1,2} | <i>PEX5</i> | Peroxisome biogenesis disorder, autosomal recessive ² |
| <i>LRP5^{tr}</i> | Familial exudative vitreoretinopathy, autosomal recessive and dominant ^{1,2} | <i>PEX6</i> | Peroxisome biogenesis disorder, autosomal recessive ² |
| <i>LZTFL1</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} | <i>PEX7^{tr}</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>MAK</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>PEX10</i> | Peroxisome biogenesis disorder, autosomal recessive ² |
| <i>MAPKAPK3</i> | Other retinopathy, autosomal dominant ^{1,2} | <i>PEX11B</i> | Peroxisome biogenesis disorder, autosomal recessive ² |
| <i>MERTK</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>PEX12</i> | Peroxisome biogenesis disorder, autosomal recessive ² |
| <i>MFRP</i> | Other retinopathy, autosomal recessive ^{1,2} | <i>PEX13</i> | Peroxisome biogenesis disorder, autosomal recessive ² |
| <i>MKKS</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} | <i>PEX14</i> | Peroxisome biogenesis disorder, autosomal recessive ² |
| <i>MKS1</i> | Joubert syndrome, autosomal recessive Bardet-Biedl syndrome, autosomal recessive ^{1,2} | <i>PEX16</i> | Peroxisome biogenesis disorder, autosomal recessive ² |
| <i>MTTP</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} | <i>PEX19</i> | Peroxisome biogenesis disorder, autosomal recessive ² |
| <i>MYO7A</i> | Usher syndrome, autosomal recessive ² | <i>PEX26</i> | Peroxisome biogenesis disorder, autosomal recessive ² |
| <i>NDP</i> | Norrie disease, X-linked ^{1,2} | <i>PHYH</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>NEUROD1</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>PITPNM3^{tr}</i> | Cone or cone-rod dystrophy, autosomal dominant ^{1,2} |
| <i>NMNAT1^{tr}</i> | Leber congenital amaurosis, autosomal recessive ^{1,2} | <i>PLA2G5</i> | Other retinopathy, autosomal recessive ^{1,2} |
| <i>NPHP1</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} | <i>PLK4^{tr}</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>NPHP3</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} | <i>PNPLA6</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>NPHP4</i> | Senior-Loken syndrome, autosomal recessive ^{1,2} | <i>POC1B^{tr}</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} |
| <i>NR2E3</i> | Retinitis pigmentosa, autosomal recessive Enhanced s-cone syndrome, autosomal recessive ^{1,2} | <i>POMGNT1</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>NRL</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} | <i>PRCD</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>NYX</i> | Congenital stationary night blindness, X-linked ^{1,2} | <i>PRDM13</i> | Chorioretinal atrophy or degeneration, autosomal dominant ^{1,2} |
| <i>OAT^{tr}</i> | Other retinopathy, autosomal recessive ^{1,2} | <i>PROM1</i> | Cone or cone-rod dystrophy, autosomal dominant ^{1,2} |
| <i>OPN1SW</i> | Other retinopathy, autosomal dominant ^{1,2} | <i>PRPF3</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} |
| <i>OTX2</i> | Leber congenital amaurosis, autosomal dominant ^{1,2} | <i>PRPF4</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} |
| <i>P3H2^{tr}</i> | High myopia with cataract and vitreoretinal degeneration (MCVD), autosomal recessive ² | <i>PRPF6</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} |
| <i>PCDH15</i> | Deafness alone or syndromic, autosomal recessive Usher syndrome, autosomal recessive and digenic recessive ^{1,2} | <i>PRPF8</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} |
| <i>PCYT1A</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} | <i>PRPH2</i> | Cone or cone-rod dystrophy, autosomal dominant ^{1,2} |
| <i>PDE6A</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>RAB28^{tr}</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} |
| <i>PDE6B</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>RAX2</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} |
| <i>PDE6C</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} | <i>RBP3</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>PDE6G</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>RBP4</i> | Other retinopathy, autosomal recessive ^{1,2} |
| <i>PDE6H</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} | <i>RCBTB1</i> | Other retinopathy, autosomal dominant ^{1,2} |
| | | <i>RD3</i> | Leber congenital amaurosis, autosomal recessive ^{1,2} |
| | | <i>RDH5</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} |

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|------------------------------|---|-----------------------------|---|
| <i>RDH11</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} | <i>TRPM1</i> | Congenital stationary night blindness, autosomal recessive ^{1,2} |
| <i>RDH12</i> | Leber congenital amaurosis, autosomal recessive Retinitis pigmentosa, autosomal dominant ^{1,2} | <i>TSPAN12</i> | Other retinopathy, autosomal dominant ^{1,2} |
| <i>REEP6^{††}</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>TTC8</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>RGR</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>TLL5</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} |
| <i>RGS9</i> | Other retinopathy, autosomal recessive ^{1,2} | <i>TUB</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>RGS9BP</i> | Other retinopathy, autosomal recessive ^{1,2} | <i>TUBGCP4^{††}</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>RHO</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} | <i>TUBGCP6</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>RIMS1</i> | Cone or cone-rod dystrophy, autosomal dominant ^{1,2} | <i>TULP1^{††}</i> | Leber congenital amaurosis, autosomal recessive Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>RLBP1</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>UNC119</i> | Cone or cone-rod dystrophy, autosomal dominant ^{1,2} |
| <i>ROM1</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} | <i>USH1C</i> | Usher syndrome, autosomal recessive ^{1,2} |
| <i>RP1</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} | <i>USH1G</i> | Usher syndrome, autosomal recessive ^{1,2} |
| <i>RP2</i> | Retinitis pigmentosa, X-linked ^{1,2} | <i>USH2A^{††}</i> | Usher syndrome, autosomal recessive Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>RPE65</i> | Retinitis pigmentosa, autosomal recessive Leber congenital amaurosis, autosomal recessive ^{1,2} | <i>VCAN</i> | Wagner syndrome, autosomal dominant ^{1,2} |
| <i>RPGRIP1</i> | Cone or cone-rod dystrophy, autosomal recessive ^{1,2} | <i>VPS13B^{††}</i> | Cohen syndrome, autosomal recessive ² |
| <i>RPGRIP1L^{††}</i> | Joubert syndrome, autosomal recessive ^{1,2} | <i>WDPCP</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>RS1</i> | Retinoschisis, X-linked ^{1,2} | <i>WDR19</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ² |
| <i>RTN4IP1</i> | Optic atrophy, autosomal recessive ^{1,2} | <i>WHRN</i> | Usher syndrome, autosomal recessive ² |
| <i>SAG^{††}</i> | Congenital stationary night blindness, autosomal recessive Retinitis pigmentosa, autosomal recessive and dominant ^{1,2} | <i>ZNF408</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>SAMD11^{††}</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | <i>ZNF423</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} |
| <i>SDCCAG8</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} | <i>ZNF513</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} |
| <i>SEMA4A</i> | Cone or cone-rod dystrophy, autosomal dominant ^{1,2} | | |
| <i>SLC24A1^{††}</i> | Congenital stationary night blindness, autosomal recessive ^{1,2} | | |
| <i>SLC7A14</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | | |
| <i>SNRNP200</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} | | |
| <i>SPATA7</i> | Leber congenital amaurosis, autosomal recessive ^{1,2} | | |
| <i>SPP2</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} | | |
| <i>TEAD1</i> | Chorioretinal atrophy or degeneration, autosomal dominant ^{1,2} | | |
| <i>TIMP3</i> | Macular dystrophy, autosomal dominant ^{1,2} | | |
| <i>TMEM126A</i> | Optic atrophy, autosomal recessive ^{1,2} | | |
| <i>TMEM216</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} | | |
| <i>TMEM237</i> | Syndromic/systemic diseases with retinopathy, autosomal recessive ^{1,2} | | |
| <i>TOPORS</i> | Retinitis pigmentosa, autosomal dominant ^{1,2} | | |
| <i>TPP1</i> | Infantile neuronal ceroid lipofuscinosis (CLN2), autosomal recessive Spinocerebellar ataxia, autosomal recessive ² | | |
| <i>TRAF3IP1^{††}</i> | Senior-Loken syndrome 9 (nephronophthisis and retinal dystrophy), autosomal recessive ² | | |
| <i>TRIM32</i> | Bardet-Biedl syndrome, autosomal recessive ^{1,2} | | |
| <i>TRNT1</i> | Retinitis pigmentosa, autosomal recessive ^{1,2} | | |

*This initiative is open to U.S. residents only, subject to the Terms and Conditions of the program.
[†]Disease category is not an all-inclusive list.
^{††}Denotes limitation.

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