

**Table S1.** Genes and mapped loci causing retinal diseases that possess signal peptide sequences and their corresponding chromosomal location, length, and position.\*

<b>Gene Symbol</b>	<b>Mapped Loci</b>	<b>SP Length</b>	<b>SP Position</b>
<b>Chromosome 1</b>			
<i>EMC1</i>	1p36.13	22	1-22
<i>PLA2G5</i>	1p36.13-p36.12	20	1-20
<i>COL11A1</i>	1p21.1	35	1-35
<i>CLCC1</i>	1p13.3	18	1-18
<i>SEMA4A</i>	1q22	32	1-32
<i>HMCN1</i>	1q25.3-q31.1	21	1-21
<i>CFH</i>	1q31.3	18	1-18
<i>CRB1</i>	1q31.3	25	1-25
<i>USH2A</i>	1q41	31	1-31
<b>Chromosome 2</b>			
<i>EFEMP1</i>	2p16.1	17	1-17
<i>MERTK</i>	2q13	20	1-20
<i>SPP2</i>	2q37.1	29	1-29
<b>Chromosome 3</b>			
<i>IMPG2</i>	3q12.3	22	1-22
<b>Chromosome 4</b>			
<i>PROM1</i>	4p15.32	19	1-19
<i>ADGRA3</i>	4p15.2	33	1-33
<i>MTTP</i>	4q23	18	1-18
<i>LRIT3</i>	4q25	19	1-19
<i>TLR3</i>	4q35.1	23	1-23
<b>Chromosome 5</b>			
<i>MCDR3<sup>±</sup></i>	5p15.33-p13.1	20	1-20
<i>ADGRV1</i>	5q14.3	29	1-29
<i>GRM6</i>	5q35.3	24	1-24

<b>Chromosome 6</b>			
<b><i>C2</i></b>	6p21.32	20	1-20
<b><i>CFB</i></b>	6p21.32	25	1-25
<b><i>EYS</i></b>	6q12	21	1-21
<b><i>COL9A1</i></b>	6q13	23	1-23
<b><i>IMPG1</i></b>	6q14.1	20	1-20
<b>Chromosome 8</b>			
<b><i>ADAM9</i></b>	8p11.23	28	1-28
<b><i>GDF6</i></b>	8q22.1	22	1-22
<b>Chromosome 9</b>			
<b><i>TLR4</i></b>	9q33.1	23	1-23
<b>Chromosome 10</b>			
<b><i>RBP3</i></b>	10q11.22	17	1-17
<b><i>PCDH15</i></b>	10q21.1	26	1-26
<b><i>CDH23</i></b>	10q22.1	23	1-23
<b><i>CDHR1</i></b>	10q23.1	19	1-19
<b><i>RBP4</i></b>	10q23.33	18	1-18
<b><i>HTRA1</i></b>	10q26.13	22	1-22
<b>Chromosome 11</b>			
<b><i>FZD4</i></b>	11q14.2	36	1-36
<b><i>LRP5</i></b>		31	1-31
<b><i>C1QTNF5</i></b>	11q23.3	15	1-37
<b>Chromosome 12</b>			
<b><i>CACNA2D4</i></b>	12p13.33	19	1-19
<b><i>COL2A1</i></b>	12q13.11	25	1-25
<b>Chromosome 14</b>			
<b><i>FBLN5</i></b>	14q32.12	23	1-23
<b>Chromosome 15</b>			
<b><i>SLC24A1</i></b>	15q22.31	NOT CLEAVED	1 - ?

<b>Chromosome 16</b>			
<b><i>GNPTG</i></b>	16p13.3	24	1-24
<b><i>CDH3</i></b>	16q22.1	24	1-24
<b><i>ADAMTS18</i></b>	16q23.1	47	1-47
<b>Chromosome 17</b>			
<b><i>GUCY2D</i></b>	17p13.1	51	1-51
<b><i>GPR179</i></b>	17q12	25	1-25
<b><i>CA4</i></b>	17q23.2	18	1-18
<b><i>ARSG</i></b>	17q24.2	16	1-16
<b>Chromosome 18</b>			
<b><i>LAMA1</i></b>	18p11.31-p11.23	17	1-17
<b>Chromosome 19</b>			
<b><i>C3</i></b>	19p13.3	22	1-22
<b>Chromosome 20</b>			
<b><i>JAG1</i></b>	20p12.2	33	1-33
<b>Chromosome 22</b>			
<b><i>TIMP3</i></b>	22q12.3	23	1-23
<b>Chromosome Y</b>			
<b><i>RS1</i></b>	Xp22.13	23	1-23
<b><i>NYX</i></b>	Xp11.4	23	1-23
<b><i>NDP</i></b>	Xp11.3	24	1-24

\*Obtained from <https://www.uniprot.org/>

<sup>±</sup> *Corresponds to genetic locus*