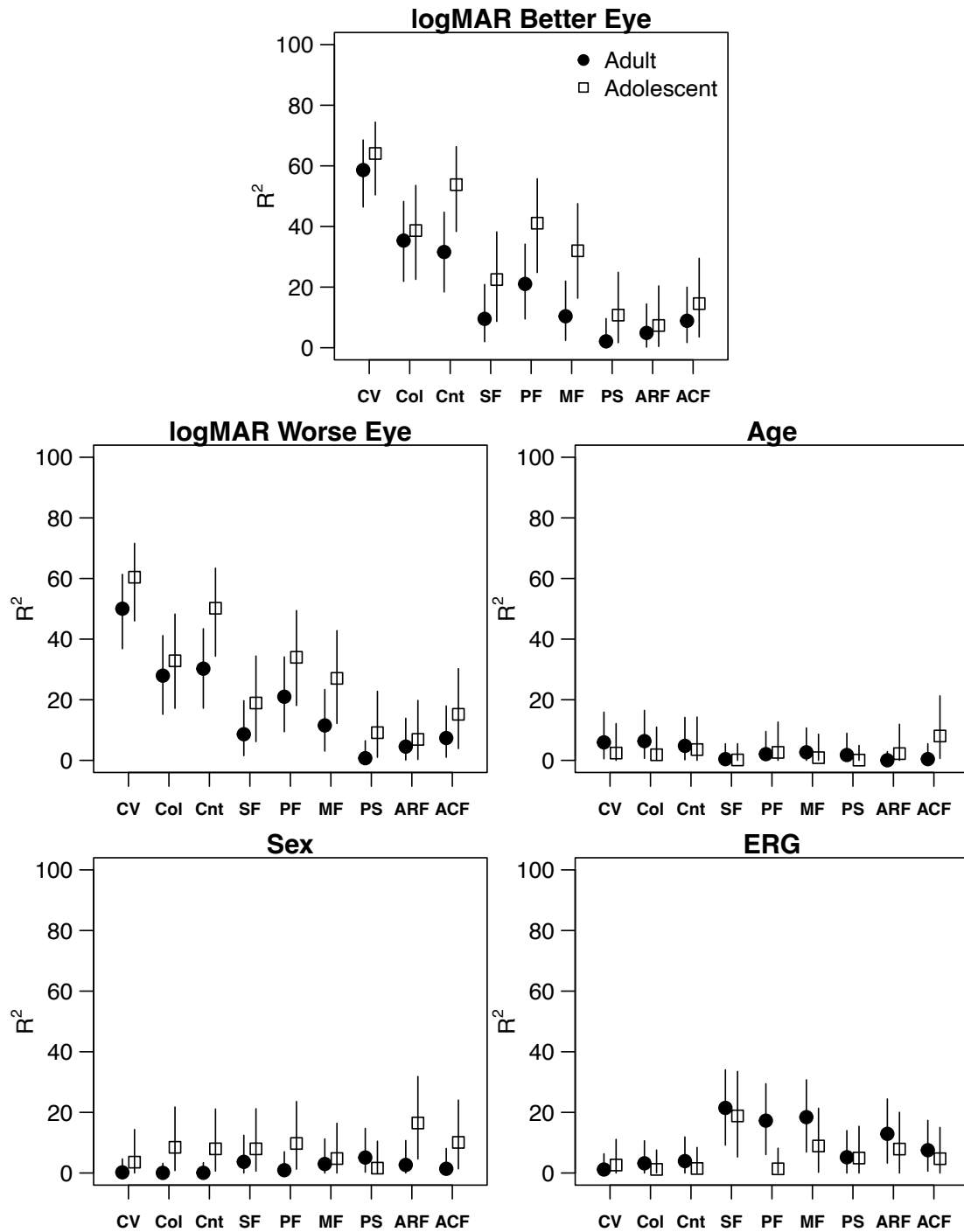


Supplement



Supplementary Material 1. Domain scores (θ) in adolescents in compared to adult participants from the original validation study (3,4).

LogMAR=logarithm of the minimal angle of resolution; CV=Central Vision; Col=Color Vision; Cnt=Contrast Sensitivity; SF=Scotopic Function; PP=Photopic Peripheral vision; MP=Mesopic Peripheral Vision; PS=Photosensitivity; RF=Rod Function Anxiety; CF=Cone Function Anxiety.

Supplementary Material 2. Demographic and Participant Characteristics (MRDQ/MVAQ)

	Overall
Total	91
Female, n (%)	40 (44.0)
Male, n (%)	51 (56.0)
Age (years), median (interquartile range)	16.0 (14.9–17.0)
IRD phenotype, n (%)	
Rod-cone	47 (51.6)
Cone/cone-rod	33 (36.3)
Macular	11 (12.1)
Race, n (%)	
White	57 (62.6)
Black	8 (8.8)
Asian	14 (15.4)
American Indian/Alaskan Native	3 (3.3)
Other ^a	9 (9.9)
Corrected visual acuity, median (interquartile range)	
Better eye	0.5 (0.3–0.9)
Worse eye	0.7 (0.3–1.0)

MRDQ = Michigan Retinal Degeneration Question; MVAQ = Michigan Vision-Related Anxiety Questionnaire; IRD = inherited retinal disease.

^aOther = Interracial + Unknown.

Supplementary Material 3. Summary of the Genetic Diagnoses of IRD Participants

Genetic Diagnosis	Overall (%)
Total, n	91
<i>CACNA1F</i>	10 (11)
<i>ABCA4</i>	9 (9.9)
<i>RPE65</i>	5 (5.5)
<i>MYO7A</i>	5 (5.5)
<i>CRB1</i>	4 (4.4)
<i>CNGA3</i>	3 (3.3)
<i>CNGB3</i>	3 (3.3)
<i>OAT</i>	3 (3.3)
<i>RPGR</i>	3 (3.3)
<i>AIPL1</i>	2 (2.2)
<i>BEST1</i>	2 (2.2)
<i>RS1</i>	2 (2.2)
<i>USH2A</i>	2 (2.2)
<i>OPNILW</i>	2 (2.2)
<i>CRX</i>	1 (1.1)
<i>BBS5</i>	1 (1.1)
<i>BBS10</i>	1 (1.1)
<i>DNAJC21</i>	1 (1.1)
<i>CEP290</i>	1 (1.1)
<i>CHM</i>	1 (1.1)
<i>IMPG2</i>	1 (1.1)
<i>IRX1</i>	1 (1.1)
<i>IQCB1</i>	1 (1.1)
<i>LRP5</i>	1 (1.1)
<i>MERTK</i>	1 (1.1)
<i>NMNAT1</i>	1 (1.1)
<i>OPN1SW</i>	1 (1.1)
<i>OPSIN</i>	1 (1.1)
<i>OTX2</i>	1 (1.1)
<i>PCDH15</i>	1 (1.1)
<i>POC1B</i>	1 (1.1)
<i>PROM1</i>	1 (1.1)
<i>PRPF8</i>	1 (1.1)
<i>PRPF31</i>	1 (1.1)

<i>RHO</i>	1 (1.1)
<i>SCA7</i>	1 (1.1)
<i>TULPI</i>	1 (1.1)
<i>USHIC</i>	1 (1.1)
Inconclusive	7 (7.7)
Not tested	5 (5.5)

Supplementary Material 4. Multivariate Model of Beta Coefficients for Associations Between Domain Scores (θ) and Participant Characteristics Compared Between Adolescents and Adults

Domain (θ)	Vision in Better Eye		Age		Sex		Rod-Cone Dystrophy		Cone/Cone-Rod Dystrophy		Macular Dystrophy	
	Adolescents	Adults	Adolescents	Adults	Adolescents	Adults	Adolescents	Adults	Adolescents	Adults	Adolescents	Adults
Michigan Retinal Degeneration Questionnaire (MRDQ)												
Central Vision	0.987	1.197	0.086	0.007	-0.141	-0.071	-0.124	-0.059	0.010	0.123	-0.028	0.019
Color Vision	0.941	0.860	0.108	0.008	-0.522	-0.089	-0.054	-0.033	0.315	0.213	-0.569	-0.142
Contrast Sensitivity	0.955	0.841	0.113	0.007	-0.335	-0.182	-0.068	0.002	-0.010	0.224	-0.158	-0.235
Scotopic Function	0.587	0.479	0.015	0.005	-0.290	-0.496	0.294	0.354	-0.412	-0.050	-0.394	-0.794
Photopic Peripheral Vision	0.782	0.673	0.096	0.008	-0.389	-0.316	0.107	0.311	0.050	-0.067	-0.368	-0.670
Mesopic Peripheral Vision	0.668	0.477	0.049	0.010	-0.169	-0.444	0.054	0.334	-0.379	-0.038	-0.425	-0.760
Photosensitivity	0.480	0.282	0.027	0.003	-0.273	-0.507	-0.420	-0.161	0.143	0.413	-0.407	-0.031
Michigan Vision-Related Anxiety Questionnaire (MVAQ)												
Rod Function Anxiety	0.205	0.338	0.060	0.001	-0.416	-0.392	0.154	0.264	-0.064	-0.106	-0.261	-0.549
Cone Function Anxiety	0.424	0.486	0.161	-0.003	-0.501	-0.328	-0.022	-0.188	0.470	0.476	0.107	-0.043

Beta coefficients of adults were from participants of the original validation study (3,4).