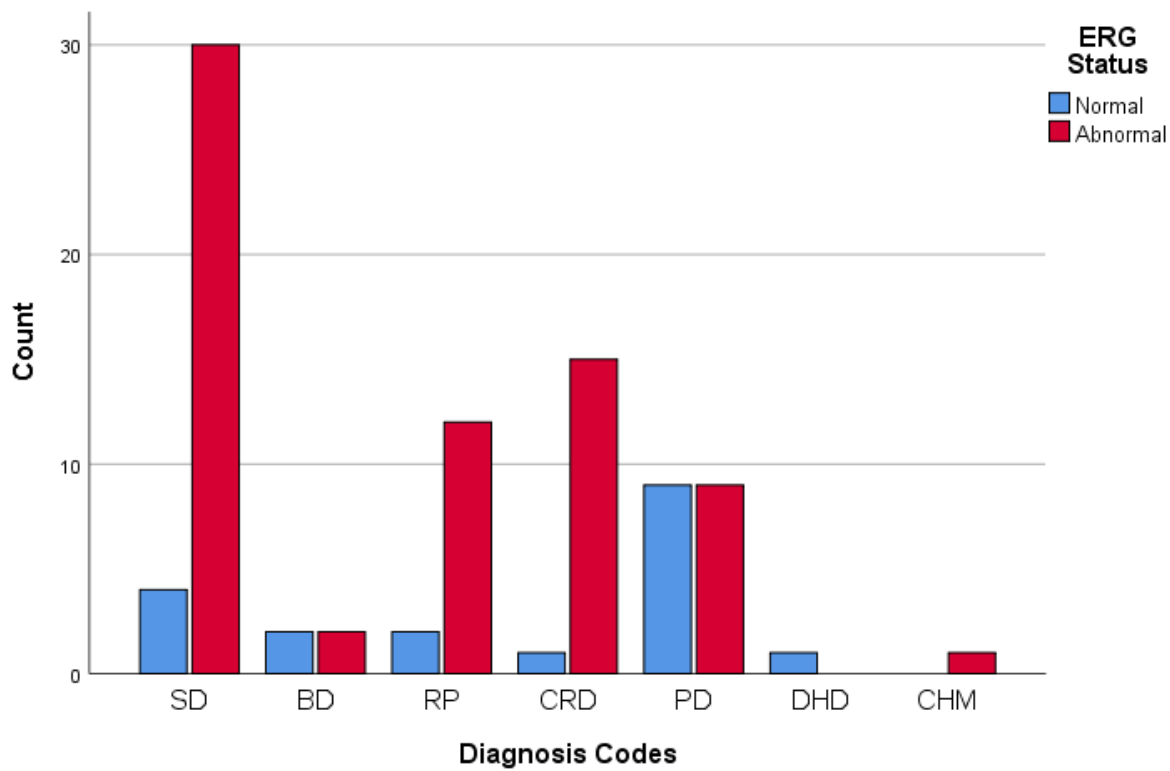


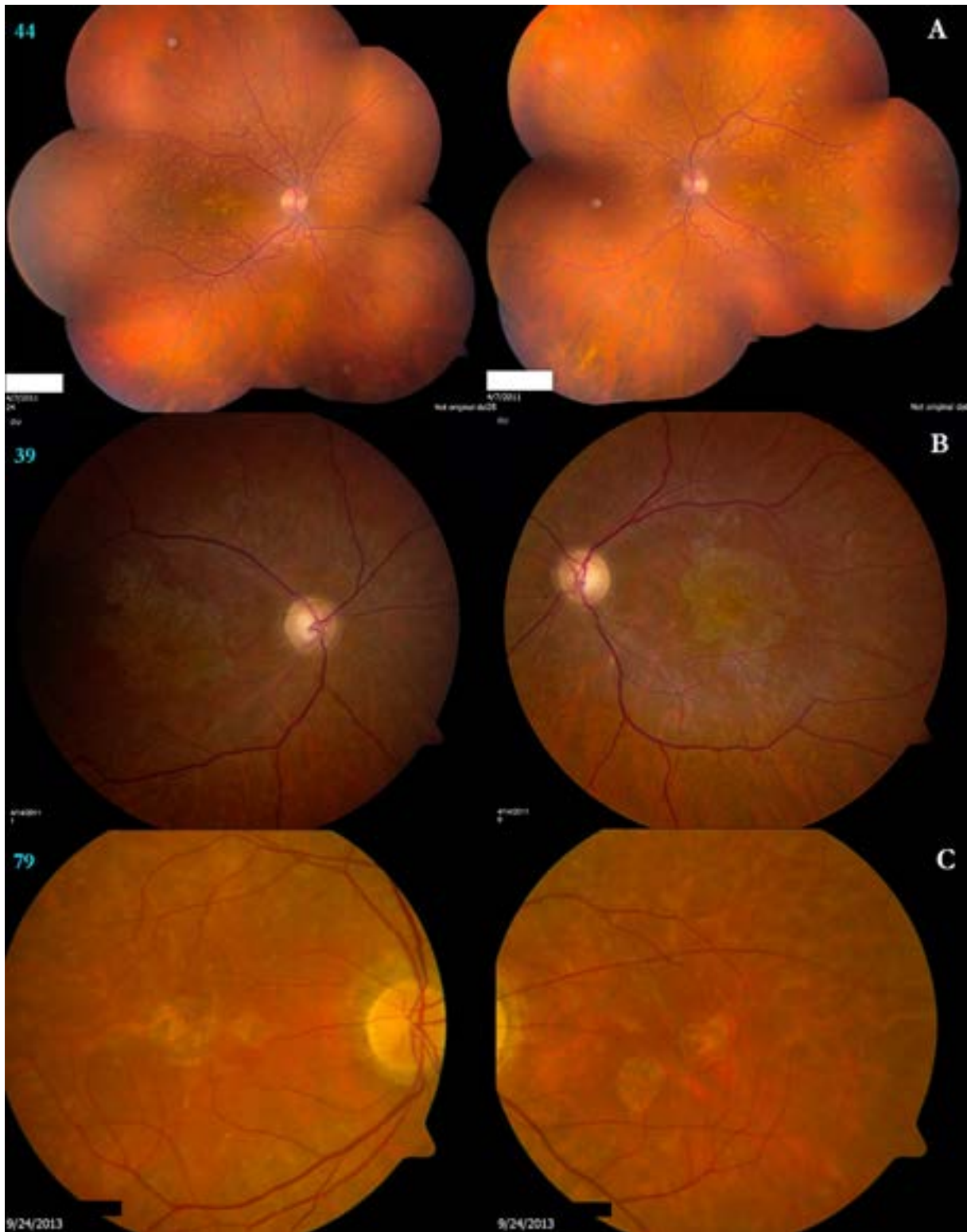
SUPP. FIGURE S1: Visual Acuity Scoring and Diagnosis

eyeGENE® Participants Average Visual Acuity Score: Individual participants (indicated by dot) were plotted against average visual acuity score (OD/OS) and color-coded by diagnosis category (Red = Cone rod dystrophy, Gold = Other, Green = Pattern dystrophy, Blue = Retinitis pigmentosa, Purple = Stargardt disease). Figure shows similar visual acuity score range between clinical phenotypes.



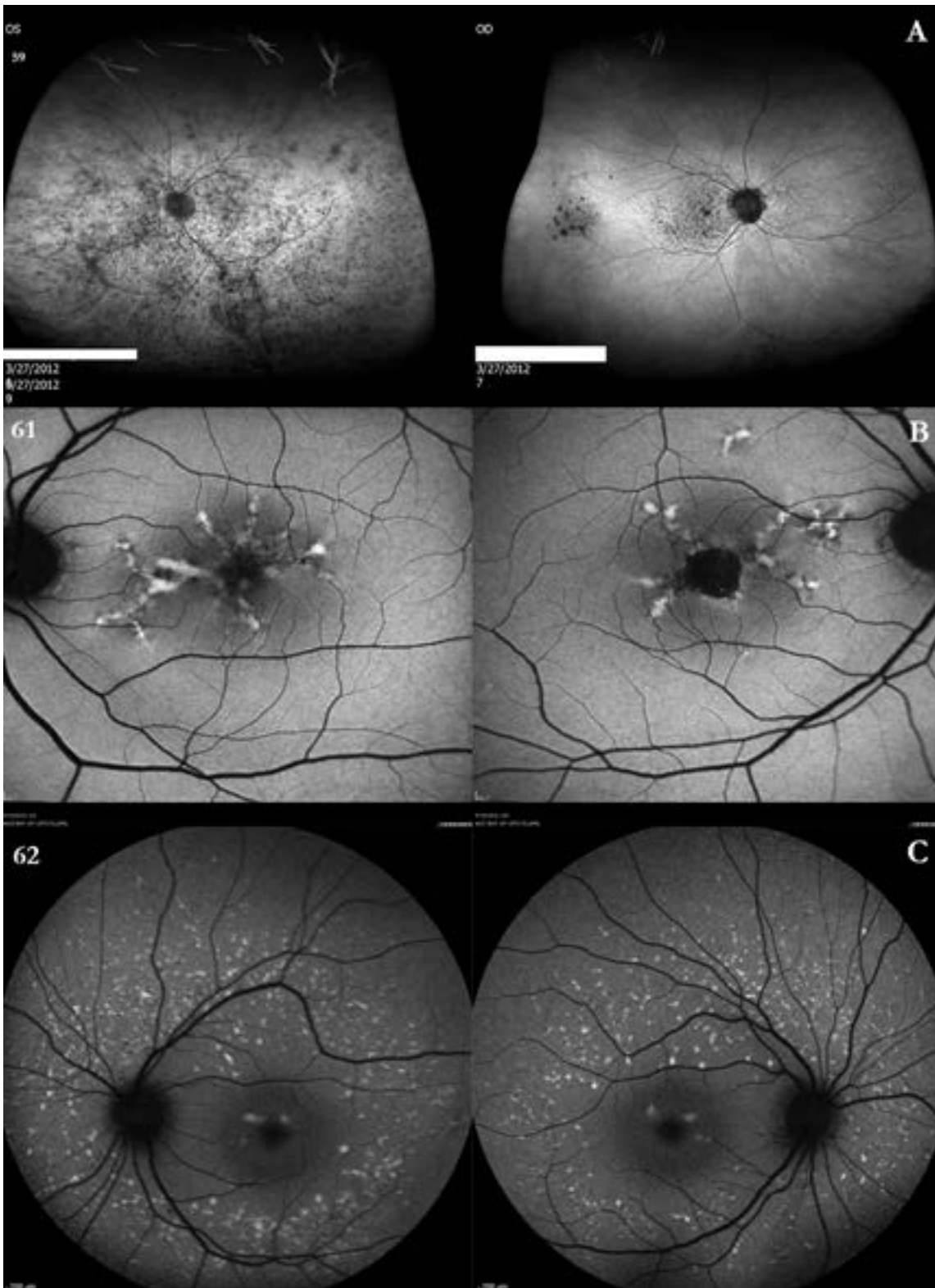
SUPP. FIGURE S2: eyeGENE® Participant Breakdown of ERG Status and Diagnosis Category

eyeGENE® Participant Breakdown of ERG Status and Diagnosis Category: Chart showing the number of participants with a normal or abnormal ERG as designated by diagnosis category.



SUPP. FIGURE S3: *PRPH2*-positive Fundus Images of Participants 44 (A), 39 (B), and 79 (C)

These fundus images are from participants 44 (A), 39 (B), and 79 (C) who all carry the c.612C>A, p.Tyr204* variant. Participants 44 and 79 were diagnosed with Pattern dystrophy and participant 39 was diagnosed with Stargardt disease.



SUPP. FIGURE S4: *PRPH2*-positive Autofluorescence Images of Participants 59 (A), 61 (B), and 62 (C)
These autofluorescence images are from participants 59 (A), 61 (B), and 62 (C) who all carry the c.422A>G, p.Tyr141Cys variant. Participants 59 and 62 were diagnosed with Stargardt disease and participant 61 was diagnosed with Pattern dystrophy.

SUPP. TABLE S2: Descriptive Statistics Table

N = 187	CRD Mean (Range)	Other Mean (Range)	PD Mean (Range)	SD Mean (Range)	RP Mean (Range)
Age at Enrollment	47 (12 – 82)	51 (32 – 80)	54 (25 – 89)	51 (8 – 82)	56 (34 – 75)
Age of Onset	32 (4 – 65)	44 (20 – 73)	45 (10 – 71)	39 (0 – 70)	34 (10 – 60)
N = 187	CRD N (%)	Other N (%)	PD N (%)	SD N (%)	RP N (%)
Male (N = 91)	9 (9.9%)	6 (6.6%)	19 (20.9%)	42 (46.2%)	15 (16.5%)
Female (N = 96)	9 (9.4%)	5 (5.3%)	26 (27.1%)	45 (46.9%)	11 (11.5%)
Autosomal dominant	11 (61.1%)	10 (90.9%)	27 (60.0%)	22 (25.3%)	23 (88.5%)
Autosomal recessive	2 (11.1%)	1 (9.1%)	4 (8.9%)	12 (13.8%)	1 (3.8%)
Sporadic	4 (22.2%)	0	9 (20.0%)	45 (51.7%)	2 (7.7%)
Unknown	1 (5.6%)	0	5 (11.1%)	8 (9.2%)	0

SUPP. TABLE S4: ERG Data with Diagnosis, Years with Disease, Age at Exam

Diagnosis Category	Total				
Normal ERG	19	Avg Years w/Dis	Median Years w/Dis	Avg Age at Exam	Med Age at Exam
SD	4	12.5	4.5	44.5	47.0
BD	2	7.0	7.0	73.5	73.5
DHD	1	0.0	0.0	32.0	32.0
RP	2	6.0	6.0	51.5	51.5
CRD	1	2.0	2.0	42.0	42.0
PD	9	7.9	6.0	50.8	52.0
Abnormal ERG	68	Avg Years w/Dis	Median Years w/Dis	Avg Age at Exam	Med Age at Exam
SD	29	10.3	6.0	55.5	58.0
BD	2	12.0	12.0	42.5	42.5
CHM	1	10.0	10.0	62.0	62.0
RP	12	19.7	18.0	59.1	65.0
CRD	14	15.6	11.0	49.9	48.0
PD	10	12.9	5.0	50.1	51.0