



Suppl. FIGURE 1. Quantitative comparison of NIR-RAFI and SW-RAFI in terms of image contrast across RPE atrophy boundaries, and area of atrophy in STGD1 patients.

(A) A representative STGD1 patient P12 imaged with SW-RAFI and NIR-RAFI.

Atrophy is outlined (white) and two small squares are the regions used for estimating

edge contrast. **(B)** Edge contrast in individual patients (filled symbols connected) and

mean \pm sd (unfilled symbols and bars). **(C)** Atrophy area in individual patients (filled

symbols connected) and mean \pm sd (unfilled symbols and bars)

Supplemental Table 1. Demographic and Molecular Characteristics of the Patients

Patient	Age (yrs)	Gene	Allele 1/Allele 2	Eye	Color	Figures
STGD						
P1	18	<i>ABCA4</i>	W821R / N965S	OD	blue	S1
P2	19	<i>ABCA4</i>	V256V / T1526M	OD	green	S1
P3	29	<i>ABCA4</i>	G863A / IVS35+2 T>C	OD	blue	4, S1
P4	30	<i>ABCA4</i>	R152X / G1961E	OD	blue	2, S1
P5	32	<i>ABCA4</i>	P1511 ins1ccgC / R1705Q	OS	brown	1, S1
P6	34	<i>ABCA4</i>	G863A / IVS35+2 T>C	OS	blue	1, S1
P7	38	<i>ABCA4</i>	T1019M / G1961E	OS	green	2, S1
P8	44	<i>ABCA4</i>	G863A / C1490Y	OS	green	S1
P9	50	<i>ABCA4</i>	V256V / G1961E	OS	blue	S1
P10	57	<i>ABCA4</i>	T1526M / R2030Q	OD	blue	S1
P11	60	<i>ABCA4</i>	P1380L / G1961E	OD	hazel	S1
P12	62	<i>ABCA4</i>	R1640Q / G1961E	OS	green	2, S1
P13	69	<i>ABCA4</i>	E1122K / G1961E	OS	blue	4, S1
AMD						
P14	75	<i>n/a</i>		OS	brown	1
P15	80	<i>n/a</i>		OS	brown	1
RP						
P16	25	<i>RPGR</i>	G743X	OD	hazel	1
P17	46	<i>RPGR</i>	E956fsX	OD	hazel	1
P18	51	<i>n/a</i>		OD	brown	4
P19	54	<i>RHO</i>	G106R	OD	blue	5
P20	59	<i>RHO</i>	G106R	OD	blue	5
P21	60	<i>RHO</i>	G106R	OD	blue	5
P22	80	<i>RHO</i>	G106R	OD	brown	5
LCA						
P23	18	<i>RPE65</i>	IVS2-2A>T / L341S	OS	hazel	5
P24	21	<i>RPE65</i>	V287F / V287F	OD	brown	5
CHM						
P25	38	<i>CHM</i>	R267X	OD	brown	2
P26	53	<i>CHM</i>	82delT	OD	hazel	4
P27	58	<i>CHM</i>	Exon 9 del	OD	hazel	2