

Table S1 Ophthalmic data of all available family members

Subject ID	Sex	Age at examination (y)	Axial length (mm)		Spherical equivalent (D)		Fundus (Chorioretinal atrophy/staphyloma)	
			OD	OS	OD	OS	OD	OS
I-2*	F	84	32.24	32.06	-23.25	-22.50	Bridged and patchy atrophy /prominent staphyloma	Bridged and patchy atrophy /prominent staphyloma
II-3*	F	55	31.32	31.56	-21.50	-20.25	Tessellation /prominent staphyloma	Patchy and diffuse atrophy /prominent staphyloma
III-2*	F	30	25.84	25.83	-7.50	-7.25	Tessellation /mild staphyloma	Tessellation /mild staphyloma
I-1	M	84	22.53	22.49	+0.62	+1.50	Normal	Normal
II-1	M	55	23.06	22.68	+1.50	+2.00	Normal	Normal
II-4	M	56	23.61	23.52	+1.88	+1.00	Normal	Normal
II-5	F	53	23.15	22.98	-2.75	-2.25	Normal	Normal

F, female; M, male; y, years; D, diopters; OD, right eye; OS, left eye. II-3 is the proband. *, represent the patients in the family.