

Supplementary Information for

Normal tension glaucoma-like degeneration of the visual system in aged marmosets

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Supplementary Table 1. List of marmosets examined in this study

ID	Sex	Age (years)	Body Weight (g)	IOP		Axial Length		Ophthalmoscopy	OCT	mfERG	Doppler Imaging	Blood Test	CSF	MRI
				R	L	R	L							
1	F	8	310	17	22	8.9	9	○	○	○	○	○		
2	F	8	358	22	23			○					○	
3	F	9	368	23	25	9.6	8.8	○	○	○	○	○		
4	M	9	362	20	19			○						
5	M	10	368	17	18	9.5	9.7	○	○	○				
6	F	10	369	15	14	9.1	9.5	○	○	○				
7	F	10	354	21	21			○					○	
8	M	10	377	22	22			○						
9	F	10	348	19	17	9.2	9.8	○	○	○	○	○	○	
10	M	10	354	21	20	9.8	10	○	○	○	○			○
11	F	10	359	20	19			○						
12	F	10	331	26	—			○						
13	F	10	442	25	30			○						
14	M	10	345	23	26			○						
15	F	10	399	19	23			○						
16	F	10	389	17	16			○						
17	M	11	301	16	20	10.2	10.3	○	○	○	○	○	○	
18	M	11	343	21	20			○						
19	M	11	326	20	25	10.2	10	○	○	○	○	○	○	○
20	F	11	367	20	19	9.6	9.7	○	○	○	○	○	○	○
21	F	11	369	22	21	10	9.7	○		○	○			
22	F	11	334	27	30			○						
23	M	12	333	22	25	10.1	9.9	○	○	○				
24	F	12	329	30	29			○						
25	F	13	358	24	22	10	10.4	○	○	○	○	○		○
26	M	13	308	20	20	10.1	10.1	○	○	○	○	○		
27	M	13	334	22	19			○						
28	F	14	480	24	31			○						
29	M	14	360	17	25			○						
30	M	15	332	19	17	10.1	10.6	○	○	○	○			
31	M	15	272	23	20			○						
32	F	16	372	24	23	10.2	10.7	○	○	○	○			
Average			11.2	355	21.2	22.0	9.8	9.9						
SE			0.4	6.8	0.6	0.8	0.1	0.1						
Glaucoma														
33	M	12	347	21	23	10.3	10.4	○	○	○	○	○	○	○
34	F	12	434	17	17	9	9.1	○	○	○	○	○	○	
35	F	13	298	22	24	10.1	10.2	○	○	○	○	○	○	○
36	F	13	366	18	19			○	○	○				○
Average			12.5	361	19.4	20.7	9.8	9.9						
SE			0.3	28.2	1.2	1.6	0.4	0.4						

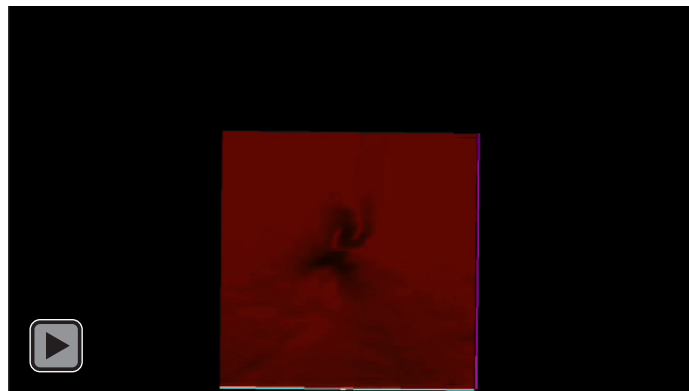
Supplementary Table 2. Primer sequences used for PCR

Gene	Exon	Sequences
<i>MYOC</i> GenBank accession number XM_008985025	1	F: TCTTGCTGGCAATGTGAAGGCAACC R: TGCTATGAGCCAGATCACCTGCTGA
	2	F: TTCAAGCGATTCTCCTGCCTCCA R: ATTCTTCATGACCAGTAAGTGGG
	3	F: AATGGTCACAGTCTGTGTTT R: GTCAGATGGTGACCATGCACATCCT
<i>OPTN</i> GenBank accession number XM_002750043	2	F: GATCATCATGAGGTCATAACCCTTGT R: ATGGCATTACCCGAAGGCCTGGGAT
	3	F: AATGAAGTCCACTCTTCCTGGTGTG R: GGCTCCTTAGCAAACGCATCCAGTG
	4	F: CCCAGAGCTCTGGATTACAGGTGTA R: TGAGCCGAGATCGCATCATTGCACT
	5	F: GAAGGTTCCCTTGCGTTACATGTCAC R: GCAGGCCATTACACTTGAGTTCCTG
	6	F: CACCAGTGGTGTATGAGCATTCCAC R: ACCGCTGCTCGGGAAGACAATTTGG
	7	F: ACAGTTGGCTTAAAGGTAGGCCTTC R: GAATTCGGTGGCTGGACTACTCTCA
	8	F: CTGTGATCTCTGAACCTGGAGTAAG R: CAGCTCTGTAGAGCTCTCACTTAGG
	9	F: TGCATCACTGCATGAGAAGCGCCTT R: ATCTGAGAAGTCTCCTAGGACTCCT
	10	F: CCACTTGAGTGTTTCAGAAGGTTGGG R: TCCACCTCTTCCTGAAGTCAGTGGA
	11	F: GTGCTGAGATTCCAGGCATAAGCCA R: GCCTTGCTCAGCTATGGTTCTGGAA
	12	F: GTAGAGAATCCACAGTCTTCTAGGT R: CTACAGCTAATGCTGATGTGAGCTC
	13	F: CAGGGTTGTAGAACGTCATATGTAG R: TTGCACTCCAGCCTGGGTAACAAGA
	14	F: TGCAGTGAGCCAAGATCGCACCCT R: AGTATCTGGGATAACAGGCACGTGC
	<i>WDR36</i> GenBank accession number XM_008991713	8
11		F: GACTTCAGAATACCATGTCAGTGAG R: AGATCAGCATGTACCTGGAGTTACT
13		F: GCCTCTCATCAGGAACTGTAGATGT R: CATGGTCCTTATGATACAACACTGCAGT

Supplementary Movies (Please use Adobe Reader to display the movies)

Movie 1.

A representative movie showing the optic disc cupping of an aged marmoset (aged 110 months; No. 3 in Table 1) captured by disc map 3D scans with SD-OCT.



Movie 2.

A representative movie showing the optic disc cupping of the glaucomatous marmoset (aged 157 months; No. 34 in Table 1, Left eye of Year 1 in Figure 5) captured by disc map 3D scans with SD-OCT.

