

APPENDIX 1. Sclera Thickness, Number of Lamellae and Percent Increase after Glaucoma in different strains of mice (CD1, B6, Aca23-WT, and Aca23), at three different locations (peripapillary, nasal and temporal)

Strain	Treatment	Peripapillary			Nasal			Temporal		
		Average Thickness \pm SD	Number of Lamellae	% Increase after Glaucoma	Average Thickness \pm SD	Number of Lamellae	% Increase after Glaucoma	Average Thickness \pm SD	Number of Lamellae	% Increase after Glaucoma
CD1	Control	32.7 \pm 4.4	33	26.2%*	29.4 \pm 5.0	31	25.4%	31.4 \pm 7.1	35	13.6%
CD1	Glaucoma	44.3 \pm 10.1	41		39.4 \pm 11.4	33		36.3 \pm 5.7	34	
B6	Control	36.4 \pm 6.3	33	30.6%†	29.4 \pm 3.5	23	6.5%	30.8 \pm 7.6	25	21.5%
B6	Glaucoma	52.5 \pm 8.3	41		31.4 \pm 5.3	27		39.2 \pm 5.5	33	
Aca23-WT	Control	46.5 \pm 6.0	46	8.3%	31.2 \pm 4.0	32	22.7%*	33.8 \pm 1.35	33	15.0%*
Aca23- WT	Glaucoma	50.7 \pm 8.0	41		40.3 \pm 5.3	41		39.8 \pm 4.5	43	
Aca23	Control	54.3 \pm 8.0	45	14.4%	35.2 \pm 11.8	36	-3.20%	54.3 \pm 8.0	45	4.8%
Aca23	Glaucoma	63.4 \pm 13.6	57		34.1 \pm 6.9	39.2		35.0 \pm 10.4	40	

N = 4-5 eyes in each category (fixed tissue); mean \pm standard deviation.

* $p < 0.05$, t-test, † $p < 0.01$, t-test