

Table S1a: **Retinal thickness measurements derived from SD-OCT B-scan images.** Estimated means and 95% confidence intervals (95% CI) based on the linear models for all SD-OCT scan-derived retinal layer/zone thickness measurements at positions 1, 2, 3, 4, and 6mm ventral to the central and nasal ONH rim. Means that have either no superscript or no identical superscript are significantly different from each other (P<0.05). Means with identical superscript are not significantly different from each other (P>0.05). All measurements in  $\mu\text{m}$ .

Retinal layer/zone thickness on OCT: mean (95% CI)						
Distance from ONH		1mm	2mm	3mm	4mm	6mm
IR	nasal	107.03 <sup>a</sup> (105.18;108.88)	104.17 (102.32;106.02)	113.07 (111.22;114.92)	107.19 <sup>a</sup> (105.34;109.03)	99.52 (97.67;101.37)
	central	103.46 <sup>b</sup> (101.00;105.92)	102.30 <sup>b</sup> (99.86;104.74)	111.85 (109.40;114.29)	108.32 (105.88;110.76)	100.67 (98.22;103.11)
INL	nasal	13.59 (13.18;14.00)	15.34 (14.93;15.76)	20.30 (19.90;20.71)	19.20 (18.79;19.62)	17.19 (16.77;17.62)
	central	14.16 (13.62;14.71)	17.84 (17.33;18.35)	22.06 <sup>c</sup> (21.55;22.57)	22.20 <sup>c</sup> (21.69;22.70)	19.52 (19.00;20.03)
ONL	nasal	27.99 (27.29;28.68)	30.66 (29.97;31.35)	31.74 <sup>d</sup> (31.05;32.43)	31.29 <sup>d</sup> (30.60;31.98)	29.37 (28.67;30.08)
	central	31.08 <sup>e</sup> (30.29;31.86)	31.14 <sup>e</sup> (30.39;31.89)	32.81 <sup>f</sup> (32.06;33.56)	32.36 <sup>f</sup> (32.61;33.11)	30.41 (29.65;31.16)
OR	nasal	43.11 (42.53;43.69)	46.68 (46.10;47.26)	54.61 (54.03;55.19)	49.02 (48.44;49.60)	43.93 (43.35;44.52)
	central	42.94 (42.20;43.67)	46.12 (45.40;46.83)	54.05 (53.37;54.77)	50.40 (49.68;51.11)	44.77 (44.05;45.49)
PROS	nasal	15.72 (15.08;16.36)	19.55 (18.90;20.19)	28.08 (27.44;28.72)	21.96 (21.32;22.60)	16.76 (16.12;17.40)
	central	16.42 (15.82;17.01)	20.02 (19.44;20.60)	29.50 (28.92;30.08)	24.55 (23.97;25.13)	17.97 (17.39;18.55)