

## SUPPLEMENTARY TABLE

Supplementary Table 1. Data related to mitochondrial morphology analysis as shown in Fig. 3.

	Control <sup>Veh</sup>	Control <sup>L-CS</sup>	Aged <sup>Veh</sup>	Aged <sup>L-CS</sup>	P
<b>Individuals (<i>n</i>)</b>	191.00 ± 46.27	168.4 ± 34.11	251.00 ± 33.49	217.80 ± 54.14	>0.05
<b>Networks (<i>n</i>)</b>	64.25 ± 16.28	38.6 ± 11.69	78.16 ± 9.81	71.2 ± 15.61	>0.05
<b>Mean Branch Length (μm)</b>	0.602 ± 0.020	0.579 ± 0.012	0.560 ± 0.016	0.547 ± 0.010	>0.05
<b>Median Branch Length (μm)</b>	0.456 ± 0.014	0.467 ± 0.013	0.435 ± 0.014	0.417 ± 0.007	>0.05
<b>Length Standard Deviation (μm)</b>	0.531 ± 0.035	0.464 ± 0.015	0.486 ± 0.017	0.490 ± 0.008	>0.05
<b>Median Network Size (<i>n</i> of branches)</b>	4.25 ± 0.47	4.40 ± 0.40	4.41 ± 0.55	4.10 ± 0.45	>0.05
<b>Mitochondrial Footprint (μm<sup>2</sup>)</b>	139.19 ± 30.06	241.26 ± 47.43	189.39 ± 27.35	153.51 ± 24.35	>0.05