

Supplementary 1

ST1 (Supplementary Table 1) – Neurological/motor deficit scores of animals submitted to middle cerebral artery occlusion (MCAO) and treated with clarified *Euterpe oleracea* (EO) extract. Data are presented as means \pm SD (n = 6-9 animals per group). * $p < 0.05$: vs Sham and Sham+EO. # $p < 0.05$: vs MCAO. Different letters above the data points denote significant differences between days (column) ($p < 0.05$).

Days	Sham	Sham+EO	MCAO	MCAO+EO
1 st Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	3.0 \pm 0.0 ^{*a}	2.5 \pm 0.53 ^{*#a}
2 nd Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	2.5 \pm 0.54 ^{*a}	2.5 \pm 0.53 ^{*a}
3 rd Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	2.5 \pm 0.54 ^{*a}	2.5 \pm 0.53 ^{*a}
4 th Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	2.3 \pm 0.51 ^{*b}	2.25 \pm 0.46 ^{*a}
5 th Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	2.3 \pm 0.51 ^{*b}	2.25 \pm 0.46 ^{*a}
6 th Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	2.3 \pm 0.51 ^{*b}	2.0 \pm 0.0 ^{*a}
7 th Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	2.3 \pm 0.51 ^{*b}	2.0 \pm 0.0 ^{*a}
8 Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	2.3 \pm 0.51 ^{*b}	2.0 \pm 0.0 ^{*a}
9 th Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	2.3 \pm 0.51 ^{*b}	1.87 \pm 0.35 ^{*#b}
10 th Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	2.3 \pm 0.51 ^{*b}	1.87 \pm 0.35 ^{*#b}
11 th Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	2.3 \pm 0.51 ^{*b}	1.75 \pm 0.46 ^{*#b}
12 th Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	2.3 \pm 0.51 ^{*b}	1.75 \pm 0.46 ^{*#b}
13 th Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	2.3 \pm 0.51 ^{*b}	1.62 \pm 0.51 ^{*#b}
14 th Day	0.0 \pm 0.0 ^a	0.0 \pm 0.0 ^a	2.3 \pm 0.51 ^{*b}	1.62 \pm 0.51 ^{*#b}

ST2 (Supplementary Table 2) –Neuronal death attenuated by clarified *Euterpe oleracea* (EO) extract after middle cerebral artery occlusion (MCAO). Data are presented as means \pm SD (n = 6 animals per group). * $p < 0.05$: vs Sham and Sham+EO. # $p < 0.05$: vs MCAO.

Region	Sham	Sham+EO	MCAO	MCAO+EO
Layer I	2.59 \pm 2.74	2.90 \pm 2.33	0.0 \pm 0.0	1.85 \pm 1.53
Layer II/III	52.06 \pm 8.08	48.18 \pm 15.06	0.46 \pm 0.93*	23.46 \pm 13.61*#
Layer IV	70.53 \pm 9.55	64.00 \pm 16.44	1.53 \pm 2.01*	53.23 \pm 33.90#
Layer V	41.78 \pm 10.95	41.88 \pm 4.26	6.06 \pm 7.60*	37.79 \pm 19.13#
Layer VI	68.78 \pm 12.84	58.50 \pm 7.36	22.91 \pm 11.98*	50.32 \pm 15.72#
Striatum	55.75 \pm 12.74	58.50 \pm 14.00	13.67 \pm 12.38*	45.06 \pm 7.07#
Penumbra	-	-	45.42 \pm 5.32	62.59 \pm 14.31#