

**Table S2.** Tail parameters of DNA damage using Comet assay in C2C12 cells, treated with 40 µg/mL of brine extract in the absence or presence of 250 µM H<sub>2</sub>O<sub>2</sub>. Data are presented as mean ± SEM.

Treatments	Tail moment	Fold change	Tail length	Fold change	%DNA tail	Fold change
control	0.42 ± 0.11	1.00	13.90 ± 1.57	1.00	2.03 ± 0.48	1.00
H <sub>2</sub> O <sub>2</sub>	5.16 ± 1.03	12.28	29.33 ± 3.36	2.11	6.40 ± 1.12	3.15
BE	0.48 ± 0.10	1.14	14.92 ± 1.51	1.07	1.31 ± 0.22	0.64
BE + H <sub>2</sub> O <sub>2</sub>	1.16 ± 0.34	2.76	18.47 ± 2.61	1.32	2.04 ± 0.38	1.01

BE: brine extract