

## Supplemental Figure S1.

### Fig. S1. mtDNA damage and repair in other octocorals species.

Quantification of mtDNA lesion frequency (MLF) per 10 kb DNA by SLR-qPCR amplification of total DNA from *Sinularia sp.* and *Briareum sp.* exposed to 5 mM H<sub>2</sub>O<sub>2</sub> for 30 min (designated as 'Treatment') followed by recovery for 1h (designated as 'Rec-1H'). Data represents the mean  $\pm$  s.e.m. of three replicates.

