



Figure S1

Activity of heterotrophic bacteria after $^1\text{O}_2$ and H_2O_2 exposure – separate analysis of particle-attached ($>5 \mu\text{m}$) and free-living ($5 - 0.22 \mu\text{m}$) fractions in experiments of 14th August 2009. Activity of heterotrophic bacteria was determined by ^{14}C -labeled leucine incorporation. Different letters at top of the bars depict significant differences between values as determined by one-way ANOVA followed by pair-wise multiple comparison analysis with the Tukey test. C-L/D: Light and dark control incubations, RB-L: Light incubation with increased $[\text{}^1\text{O}_2]_{\text{SS}}$, RB-D: Dark control for RB, HP-L/D: Light and dark incubations with H_2O_2 . Numbers behind RB and HP represent μM concentrations used of RB and H_2O_2 .