

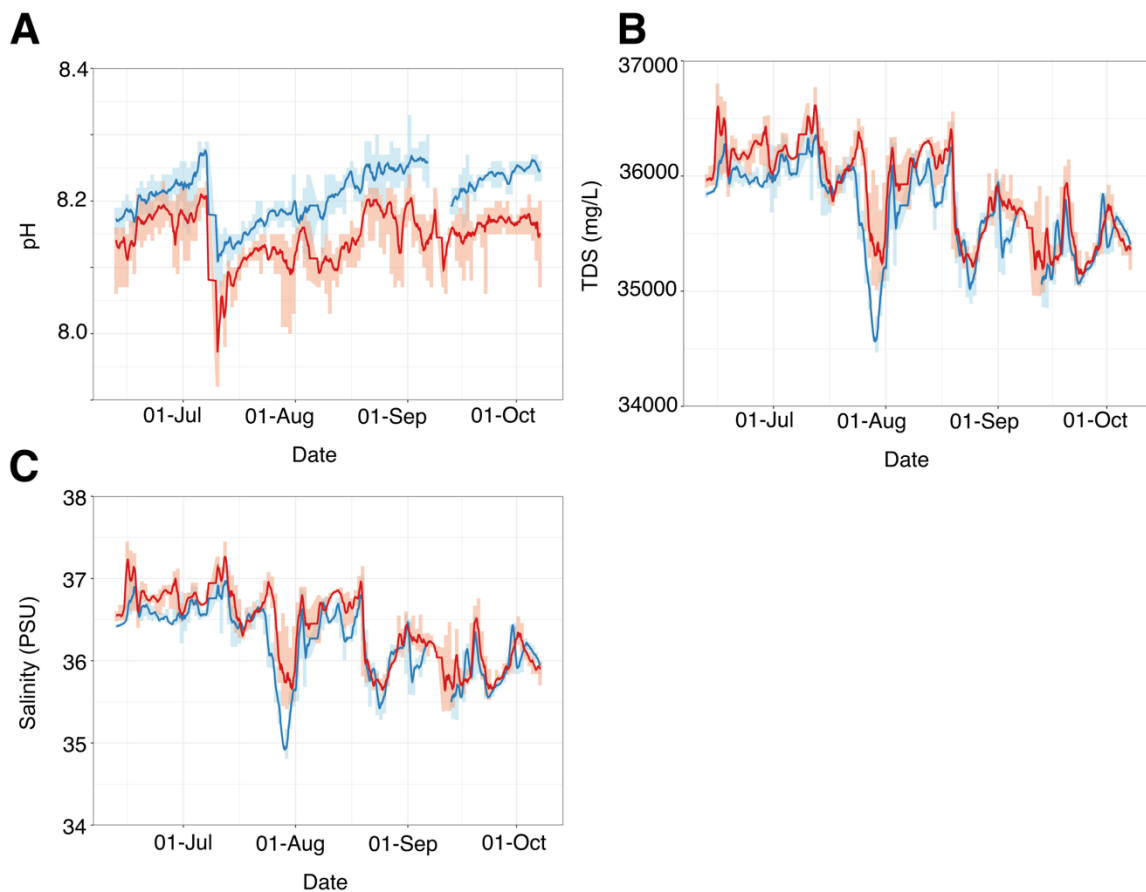
## *Supplementary Material*

### **Divergent responses of the coral holobiont to deoxygenation and prior environmental stress**

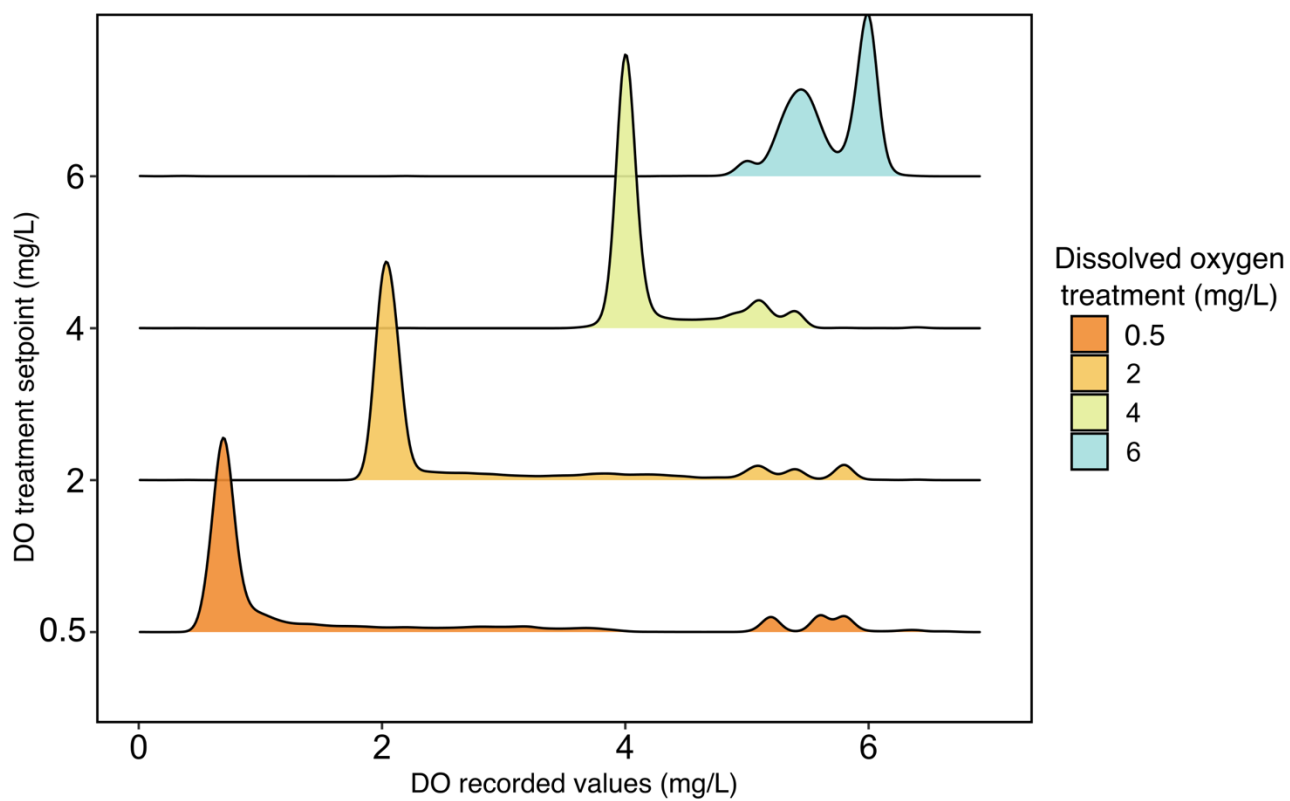
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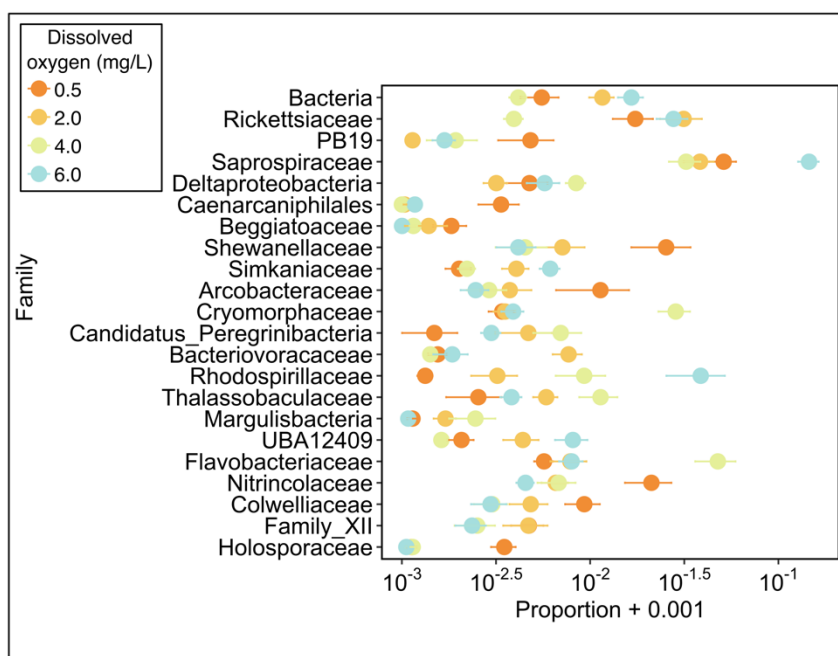
#### **Supplementary Figures**



**Supplementary Figure S1.** Environmental parameters measured at the inshore (red lines) and offshore (blue lines) sites during the 2019 summer. (A) pH, (B) Total dissolved solids, and (C) salinity.



**Supplementary Figure S2.** Histograms of actual dissolved oxygen values recorded throughout the experiment for each treatment setpoint for the experiment duration.



**Supplementary Figure S3.** Proportions of all bacterial families, including those whose rank order do not appear to correlate with oxygen, identified as differentially abundant with an *ANCOM* (Analysis of Composition of Microbiomes) analysis. Family names are shown on the y-axis, and relative abundance is shown on the x-axis.