



Fig. S1. Mean (\pm s.e.m.) (A) O_2 concentration ($\mu\text{mol kg}^{-1}$) and (B) pH in seawater of the perfusion chamber containing isolated cells with and without symbionts from *S. pistillata*. Data shown represent an example at $300 \mu\text{mol photons m}^{-2} \text{s}^{-1}$ irradiance. Data are not shown for other treatments (e.g. dark, DCMU, etc.).