

Table S1. Experimental seawater parameter.

seawater parameter	concrete data
ocean temperature	$21.5 \pm 1^\circ\text{C}$
Control salinity	$30 \pm 0.3 \text{ ppt}$
Treatment group salinity	$20 \pm 0.3 \text{ ppt}$
pH	8.2
Dissolved Oxygen	5.5mg/L