

**S6 Table**

Measured parameters					Calculated parameters					
Treatment	pH (Total)	T (°C)	Salinity (ppt)	AT (μmol/Kg)	DIC (μmol/kg)	pCO <sub>2</sub> (μatm)	HCO <sub>3</sub> <sup>1-</sup> (μmol/kg)	CO <sub>3</sub> <sup>2-</sup> (μmol/kg)	Ω <sub>Calcite</sub>	Ω <sub>Aragonite</sub>
pH 8.1 (ambient)	8.10 ± 0.02	13.17 ± 0.05	33.02 ± 0.14	2486.19 ± 118.41	2250.90 ± 114.60	380.70 ± 31.43	2063.54 ± 107.99	172.16 ± 8.60	4.15 ± 0.21	2.64 ± 0.13
pH 7.9	7.93 ± 0.04	13.2 ± 0.11	33.10 ± 0.08	2420.86 ± 60.71	2266.41 ± 52.50	578.35 ± 53.92	2122.49 ± 47.96	120.85 ± 10.97	2.91 ± 0.27	1.85 ± 0.17
pH 7.7	7.76 ± 0.03	13.2 ± 0.08	33.20 ± 0.13	2368.49 ± 54.21	2282.17 ± 55.31	885.01 ± 72.32	2164.84 ± 53.15	82.06 ± 4.77	1.97 ± 0.12	1.26 ± 0.07
pH 7.3	7.34 ± 0.02	13.2 ± 0.08	33.19 ± 0.20	2409.40 ± 103.49	2458.78 ± 106.99	2484.36 ± 162.43	2326.09 ± 100.84	33.67 ± 2.00	0.81 ± 0.05	0.51 ± 0.03