

S2 Table. Mesocosm seawater carbonate chemistry parameters.

Treatments	Measured				Calculated
	Temp. (°C)	pH (NBS)	Salinity	A_T ($\mu\text{mol kg}^{-1}$)	pCO ₂ (μatm)
T _L P _A :1	12.1 ± 0.7	8.01 ± 0.09	29.3 ± 0.5	2197 ± 44	363.2 ± 63.8
T _L P _A :2	11.8 ± 0.7	8.03 ± 0.11	29.3 ± 0.5	2130 ± 43	338.1 ± 82.5
T _L P _L :1	12.0 ± 0.7	7.72 ± 0.07	29.3 ± 0.5	2194 ± 45	775.6 ± 106.9
T _L P _L :2	12.0 ± 0.7	7.73 ± 0.03	29.3 ± 0.5	2137 ± 63	774.5 ± 49.1
T _H P _L :1	14.4 ± 0.7	7.70 ± 0.05	29.5 ± 0.5	2208 ± 38	851.1 ± 75.0
T _H P _L :2	14.5 ± 0.8	7.69 ± 0.04	29.5 ± 0.4	2158 ± 58	854.4 ± 78.7

Seawater pCO₂ was calculated from pH_{NBS}, salinity and A_T (total alkalinity). All values include mean ± standard deviations from Day 1 to 19. Treatment nomenclature is as defined in Fig.1: T_L, low temperature (the ambient fjord temperature); T_H, high temperature (+3 °C over ambient); P_A, ambient pH (8.0); P_L low pH (7.6), in 2 replicates (:1, and :2).