



Fig. S2 Seawater parameters of the benthic mesocosm experiment. (A) pH at total scale, (B) calculated $p\text{CO}_2$ in μatm , (C) total alkalinity in $\mu\text{mol kg}^{-1}$, (D) simulated seawater temperature in $^{\circ}\text{C}$, and (E) salinity in PSU, measured at a weekly basis, respectively. For different temperature and $p\text{CO}_2$ conditions see ‘Materials and Methods’ section; a, ambient; +, increased/elevated.