



S1 Figure. Physicochemical zonation and rates of microbial respiration in the OMZs off Namibia and Peru. a-c, Namibian shelf (station 243, 103 m). d-f, Upper Peruvian continental slope (station 13, 356 m). g-i, Lower Peruvian continental slope (station 36, 2845 m). Dashed lines indicate the upper OMZ boundary ($O_2 \leq 15 \mu\text{mol l}^{-1}$). Rates of aerobic + anaerobic NH_4^+ oxidation are 10 x magnified. *Chlorophyll a concentrations in panel b in relative units.