animal collection   maintinance/acclimation (aerated with ambient air; 5°C)
treatment (I) - $P_{CO_2}$ 1,120 µatm; 5°C
control - $P_{CO_2}$ 390 µatm; 5°C
treatment (II) - $P_{CO_2}$ 1,960 µatm; 5°C
treatment (III) - $P_{CO_2}$ 390 µatm; 10°C
treatment (IV) - $P_{CO_2}$ 1,120 µatm; 10°C
treatment (V) - $P_{CO_2}$ 1,960 µatm; 10°C
tissue sampling (each treatment separately)
RNA extraction (each treatment separately)
RNA extraction/sequencing (each treatment separately)
qRT-PCR
DESeq analysis

2009 start exposure exposure - 10 weeks