4 Week pH Exposure

Elevated pCO₂ (2800 μatm)

Control pCO₂ (400 µatm)





Identify Differentially Methylated Loci (DMLs)

Metabolic processes p=1.21e-10

Similar to previous work

Elevated pCO₂ induced higher metabolic rates in Eastern oysters (Beniash et al. 2010)

Hypermethylation

Genes for metabolic regulation less likely to be transcribed Larvae may benefit from stable housekeeping genes

Hypomethylation

Genes more likely to be transcribed Could increase phenotypic plasticity in larvae

