



Supplement of

Assessing approaches to determine the effect of ocean acidification on bacterial processes

Timothy J. Burrell et al.

Correspondence to: Timothy J. Burrell (timbo.burrell@gmail.com)

The copyright of individual parts of the supplement might differ from the CC-BY 3.0 licence.

Supplementary Material

Supplementary figure legends

Supplementary figures S1-S6

Supplementary figure legends

Table S1

Average LAP activity buffered in 0.1 M Tris and MOPS at pH 8.1 in coastal seawater (n=3 \pm SE).

Figure S2

Change in pHt in each treatment during trial 1 (n=3 \pm SD).

Figure S3

Change in pHt in each treatment during trial 2 (n=3 \pm SD).

Figure S4

Cell specific AG activity (mean \pm SE, n=3) in response to seawater acidified with 0.1 M HCl (A), bubbled with CO₂-Air gas mixture (B) and CO₂-Air gas mixture introduced through gas-permeable silicon tubing (P) in trial 1.

Figure S5

Cell specific AAP activity (mean \pm SE, n=3) in response to seawater acidified with 0.1 M HCl (A), bubbled with CO₂-Air gas mixture (B) and CO₂-Air gas mixture introduced through gas-permeable silicon tubing (P) in trial 1.

Figure S6

Cell specific AAP activity (mean \pm SE, n=3) in response to seawater acidified with 0.1 M HCl (A), bubbled with CO₂-Air gas mixture (B) and CO₂-Air gas mixture introduced through gas-permeable silicon tubing (P) in trial 2.

Supplementary figures

Table S1

Trial	Tris activity (nmol l ⁻¹ h ⁻¹)	MOPS activity (nmol l ⁻¹ h ⁻¹)
1	51.54 (± 2.32)	43.42 (± 1.43)
2	35.92 (± 0.81)	29.34 (± 1.08)

Figure S2

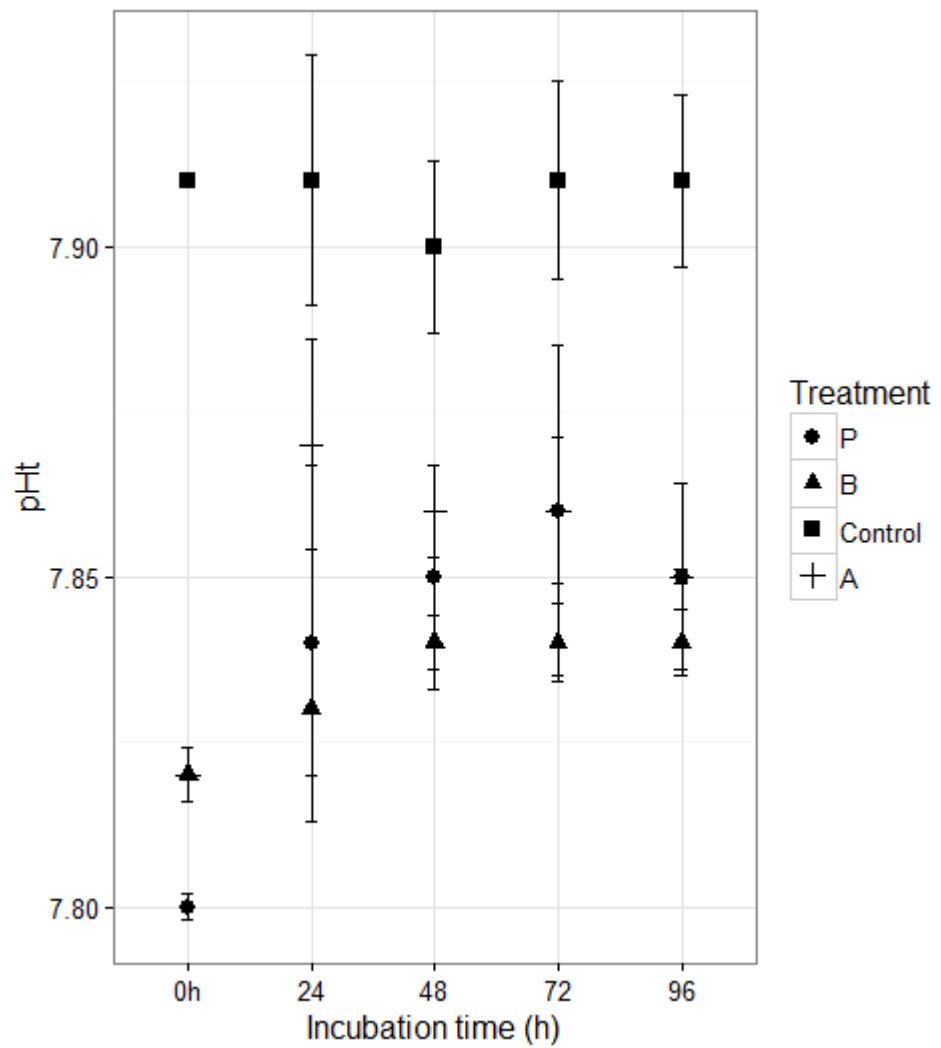


Figure S3

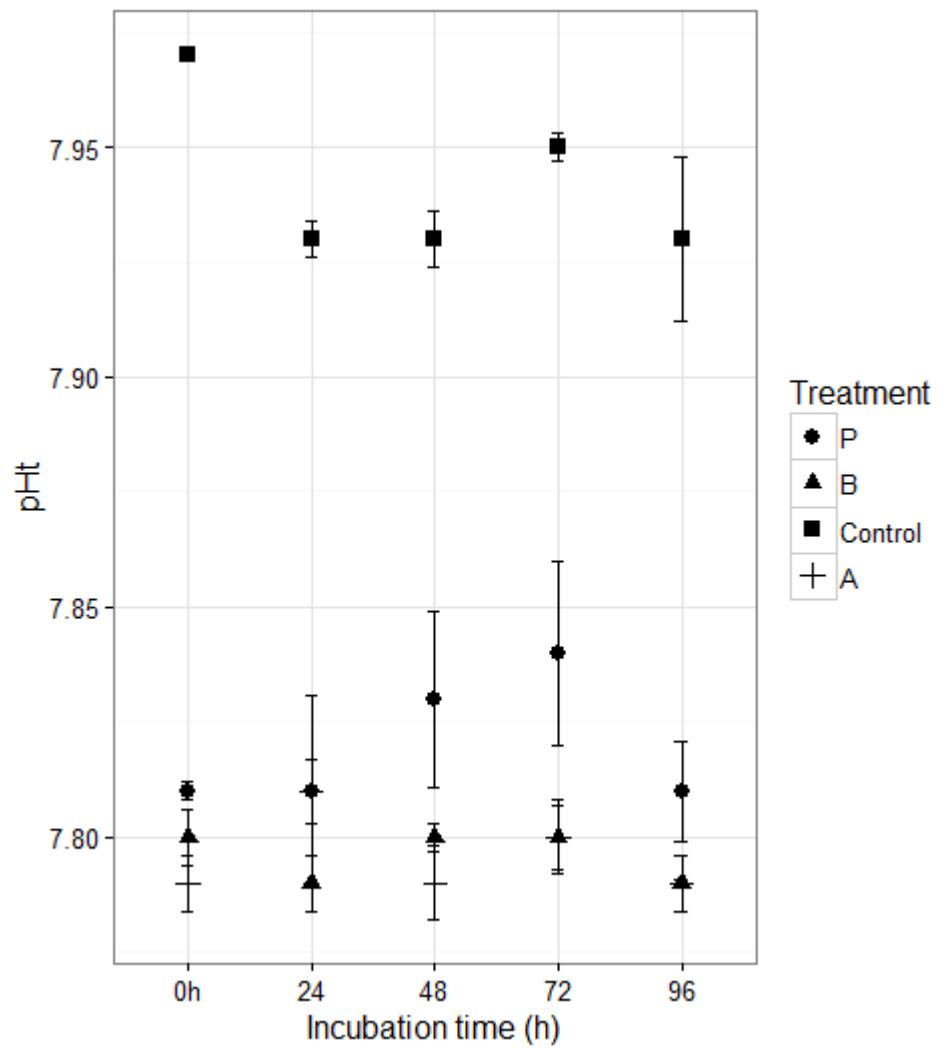


Figure S4

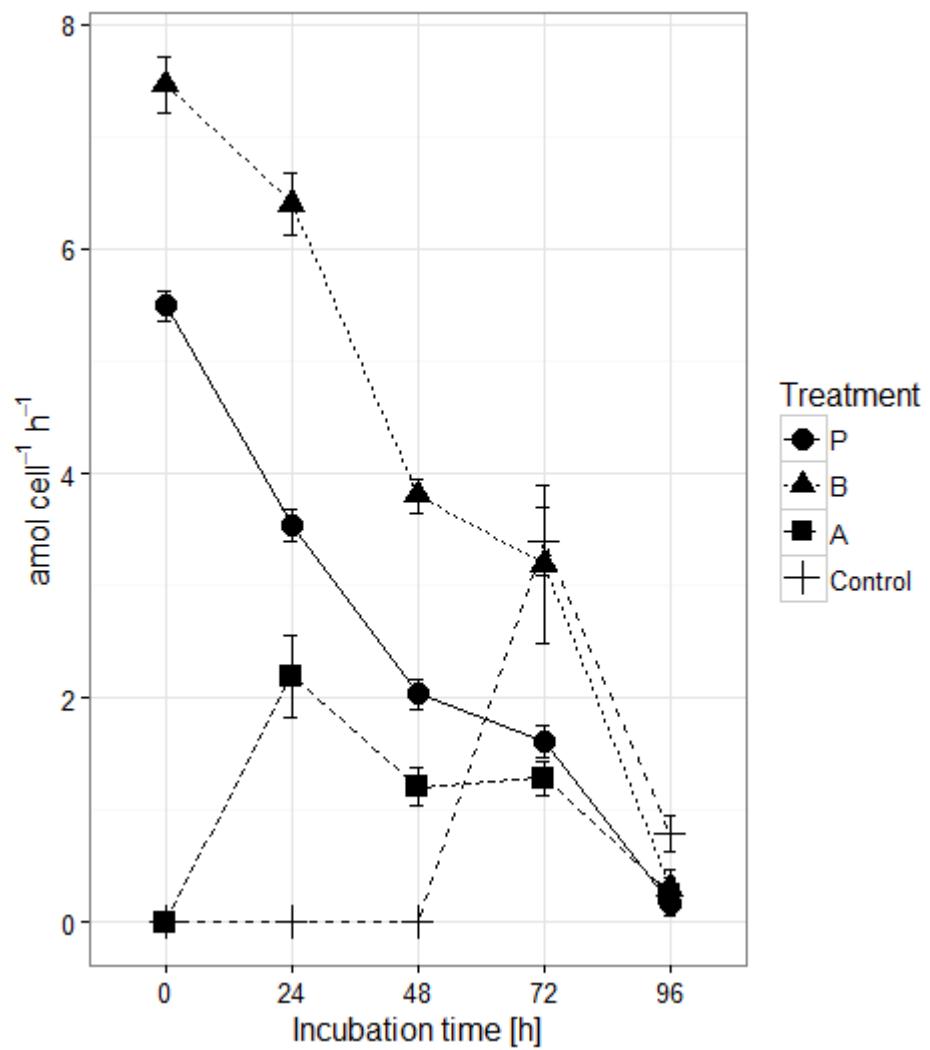


Figure S5

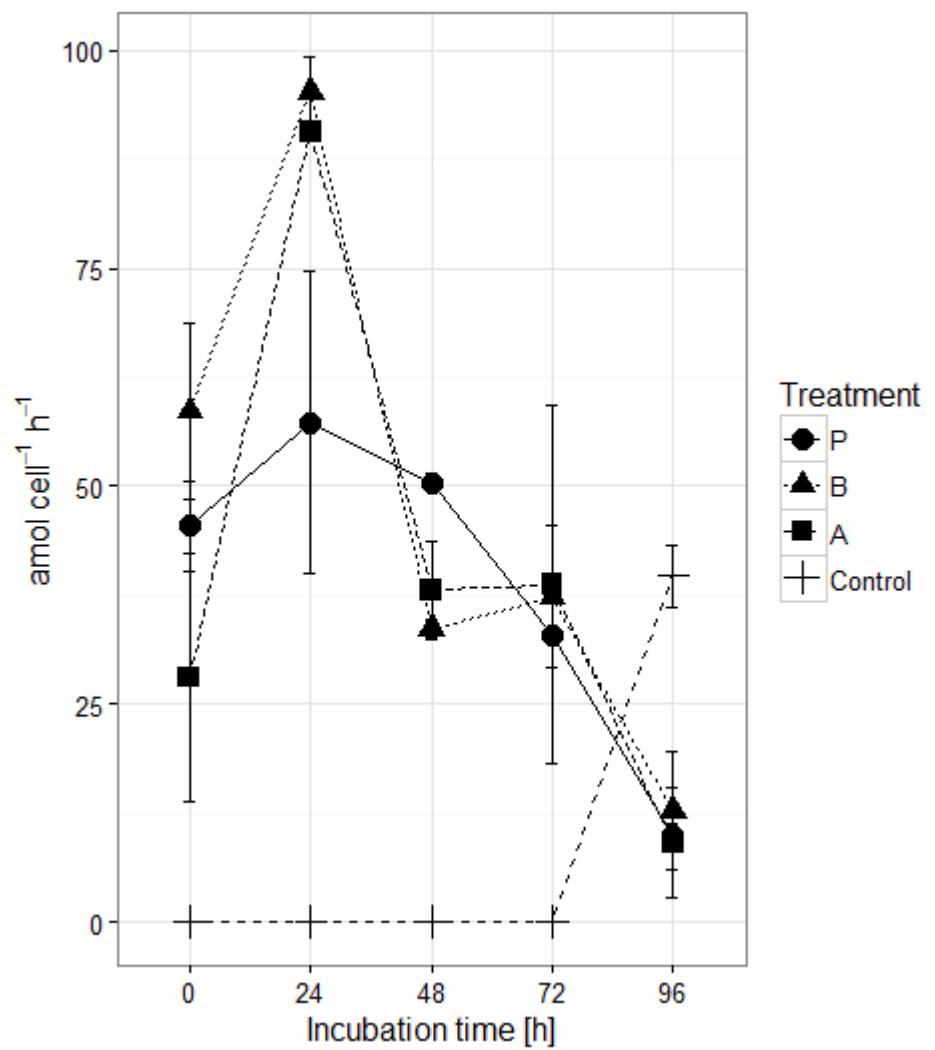


Figure S6

