

Supporting Information for: Ocean acidification accelerates the growth of two bloom-forming, estuarine macroalgae

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Supplementary Tables

S4 Tables. Tissue nitrogen content (g N per g dry tissue), tissue carbon content (g N per g dry tissue), and tissue C:N of dry tissue samples of *Gracilaria* and *Ulva* for August through November experiments. Values represent means \pm SE.

Gracilaria

Tissue nitrogen content

Treatment	August	Early September	Late September	Early October	Late October	November
Control	0.021 \pm 0.002	0.027 \pm 0.002	0.031 \pm 0.004	0.033 \pm 0.001	0.035 \pm 0.002	0.032 \pm 0.001
Nutrients	0.021 \pm 0.001	0.033 \pm 0.001	0.033 \pm 0.002	0.034 \pm 0.001	0.036 \pm 0.001	0.035 \pm 0.001
CO ₂	0.021 \pm 0.004	0.028 \pm 0.001	0.031 \pm 0.004	0.034 \pm 0.001	0.035 \pm 0.002	0.027 \pm 0.002
CO ₂ /Nutrients	0.027 \pm 0.002	0.031 \pm 0.001	0.034 \pm 0.001	0.033 \pm 0.001	0.034 \pm 0.001	0.032 \pm 0.002

Tissue carbon content

Treatment	August	Early September	Late September	Early October	Late October	November
Control	0.308 \pm 0.022	0.315 \pm 0.009	0.293 \pm 0.019	0.291 \pm 0.001	0.311 \pm 0.017	0.303 \pm 0.006
Nutrients	0.225 \pm 0.015	0.321 \pm 0.015	0.263 \pm 0.008	0.298 \pm 0.009	0.317 \pm 0.015	0.278 \pm 0.008
CO ₂	0.280 \pm 0.022	0.330 \pm 0.001	0.284 \pm 0.013	0.322 \pm 0.008	0.303 \pm 0.003	0.275 \pm 0.014
CO ₂ /Nutrients	0.298 \pm 0.014	0.316 \pm 0.017	0.292 \pm 0.009	0.302 \pm 0.011	0.310 \pm 0.005	0.278 \pm 0.016

Tissue C:N

Treatment	August	Early September	Late September	Early October	Late October	November
Control	17.2 \pm 0.3	13.6 \pm 0.6	11.1 \pm 0.8	10.2 \pm 0.1	10.5 \pm 1.0	11.1 \pm 0.2
Nutrients	12.3 \pm 0.2	11.2 \pm 0.5	9.3 \pm 0.3	10.3 \pm 0.5	10.4 \pm 0.5	9.4 \pm 0.3
CO ₂	15.9 \pm 1.6	14.0 \pm 0.5	11.1 \pm 0.9	11.1 \pm 0.6	10.2 \pm 0.5	12.1 \pm 0.6
CO ₂ /Nutrients	12.8 \pm 0.6	12.1 \pm 0.5	10.0 \pm 0.4	10.5 \pm 0.1	10.5 \pm 0.1	10.1 \pm 0.6

Ulva

Tissue nitrogen content

Treatment	August	Early September	Late September	Early October	Late October	November
Control	0.012±0.001	0.011±0.001	0.015±0.001	0.024±0.003	0.027±0.001	0.023±0.001
Nutrients	0.026±0.001	0.018±0.003	0.018±0.001	0.024±0.003	0.025±0.001	0.023±0.001
CO ₂	0.012±0.001	0.012±0.003	0.019±0.001	0.024±0.001	0.025±0.001	0.024±0.002
CO ₂ /Nutrients	0.027±0.002	0.018±0.001	0.019±0.003	0.025±0.001	0.024±0.001	0.022±0.001

Tissue carbon content

Treatment	August	Early September	Late September	Early October	Late October	November
Control	0.302±0.003	0.335±0.009	0.267±0.003	0.295±0.019	0.301±0.019	0.293±0.011
Nutrients	0.335±0.013	0.322±0.007	0.282±0.018	0.309±0.013	0.320±0.003	0.306±0.010
CO ₂	0.295±0.005	0.327±0.009	0.268±0.034	0.306±0.011	0.286±0.011	0.300±0.010
CO ₂ /Nutrients	0.313±0.017	0.321±0.016	0.282±0.011	0.317±0.013	0.322±0.004	0.304±0.007

Tissue C:N

Treatment	August	Early September	Late September	Early October	Late October	November
Control	29.3±2.8	36.7±2.0	21.5±1.9	14.5±0.8	12.9±0.3	14.7±0.3
Nutrients	15.3±0.6	21.9±2.9	18.0±0.7	15.3±1.2	15.2±0.4	15.8±0.5
CO ₂	29.8±3.2	35.1±6.3	16.5±1.1	14.7±0.5	13.5±0.8	14.8±1.4
CO ₂ /Nutrients	13.8±0.5	21.2±1.7	19.0±3.7	15.1±0.5	15.6±0.1	15.8±0.4