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*Supplement of*

## **The fractionation of nitrogen and oxygen isotopes in macroalgae during the assimilation of nitrate**

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# Supplement

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## 3 **1 Carbon Isotopic Analyses of Algae**

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5 The following contains information on the  $\delta^{13}\text{C}$ , and CN of the algae measured in the free  
6 drift and syringe experiments.

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1 Table 1: Data on the final  $\delta^{13}\text{C}$ , and CN of the *Ulva sp.* grown under the various  
2 concentrations. Each analysis represents the mean of two separate analysis of the same  
3 material.

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Initial $\text{NO}_3$ ( $\mu\text{M}$ )	Final $\delta^{13}\text{C}$	$\sigma$	CN	$\sigma$
14	-19.67	0.26	23.41	1.85
60	-19.65	0.40	18.26	0.58
103	-19.58	0.38	15.00	0.07
485	-21.67	0.51	8.08	0.54

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1 Table 2: Data on the final  $\delta^{13}\text{C}$ , and CN of the *Agardhiella sp.* grown under the various  
2 concentrations. Each analysis represents the mean of four separate analysis of the same  
3 material.

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Initial NO <sub>3</sub> ( $\mu\text{M}$ )	Final $\delta^{13}\text{C}$	$\sigma$	CN	$\sigma$
14	-23.85	0.13	18.54	1.15
55	-20.98	0.12	12.30	0.94
104	-22.47	0.23	7.87	0.27
514	-22.99	0.32	7.28	0.33

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