

Supplement of Biogeosciences, 13, 4005–4021, 2016  
<http://www.biogeosciences.net/13/4005/2016/>  
doi:10.5194/bg-13-4005-2016-supplement  
© Author(s) 2016. CC Attribution 3.0 License.



*Supplement of*

**Transfer of diazotroph-derived nitrogen towards non-diazotrophic planktonic communities: a comparative study between *Trichodesmium erythraeum*, *Crocospaera watsonii* and *Cyanothece* sp.**

**Hugo Berthelot et al.**

*Correspondence to:* Hugo Berthelot ([hugo.berthelot@gmail.com](mailto:hugo.berthelot@gmail.com))

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

1 **Supplement**

2 Table S1. Planktonic abundances (cell L<sup>-1</sup>) at T0 (first column) and after 48 h of incubation in  
 3 the Control, *T. erythraeum*, *C. watsonii* and *Cyanothece* treatments.

Strain	T0	Control	<i>T. erythraeum</i>	<i>C. watsonii</i>	<i>Cyanothece</i>
Diazotrophs	na	na	3.9±0.5 x 10 <sup>3</sup>	1.0±0.5 x 10 <sup>6</sup>	0.8±0.2 x 10 <sup>6</sup>
<i>Chaetoceros</i> spp.	0.6 x 10 <sup>4</sup>	1.8±0.4 x 10 <sup>4</sup>	3.2±0.8 x 10 <sup>4</sup>	2.9±0.7 x 10 <sup>4</sup>	2.3±0.9 x 10 <sup>4</sup>
<i>Thalassionema</i> spp.	5.0 x 10 <sup>3</sup>	5.8±0.3 x 10 <sup>3</sup>	5.1±2.2 x 10 <sup>3</sup>	4.5±1.4 x 10 <sup>3</sup>	4.2±1.7 x 10 <sup>3</sup>
<i>Bacteriastrum</i> spp.	0.2 x 10 <sup>4</sup>	1.4±0.3 x 10 <sup>4</sup>	1.5±0.3 x 10 <sup>4</sup>	1.5±0.4 x 10 <sup>4</sup>	1.1±0.3 x 10 <sup>4</sup>
Total diatoms	2.4 x 10 <sup>4</sup>	5.4±0.9 x 10 <sup>4</sup>	6.3±0.3 x 10 <sup>4</sup>	6.0±1.0 x 10 <sup>4</sup>	5.0±0.3 x 10 <sup>4</sup>
Dinoflagellates	2.3 x 10 <sup>3</sup>	4.4±0.7 x 10 <sup>3</sup>	4.9±1.5 x 10 <sup>3</sup>	6.4±1.0 x 10 <sup>3</sup>	4.4±0.0 x 10 <sup>3</sup>
Small eukaryotes	1.4±0.1 x 10 <sup>3</sup>	1.1±0.1 x 10 <sup>3</sup>	1.2±0.2 x 10 <sup>3</sup>	1.2±0.1 x 10 <sup>3</sup>	1.0±0.1 x 10 <sup>3</sup>
<i>Synechococcus</i>	5.4±1.1 x 10 <sup>7</sup>	3.8±0.5 x 10 <sup>7</sup>	5.6±1.0 x 10 <sup>7</sup>	4.7±0.6 x 10 <sup>7</sup>	3.3±0.5 x 10 <sup>7</sup>
<i>Prochlorococcus</i>	2.2±0.4 x 10 <sup>7</sup>	1.7±0.2 x 10 <sup>7</sup>	3.6±0.2 x 10 <sup>7</sup>	4.1±0.2 x 10 <sup>7</sup>	2.5±0.5 x 10 <sup>7</sup>
Bacteria	0.6±0.2 x 10 <sup>9</sup>	0.6±0.1 x 10 <sup>9</sup>	1.1±0.1 x 10 <sup>9</sup>	0.9±0.2 x 10 <sup>9</sup>	1.3±0.2 x 10 <sup>9</sup>

4

5

6