Table S1: Cell concentrations, growth rate and doubling time for Nshort experiments.

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| --- | --- | --- | --- | --- | --- |
| Sample | 15 min  (cells mL -1) | 45 min  (cells mL -1) | 18 h  (cells mL -1) | μ day -1 | Doubling time  (day) |
| N- A | 7.60 x 106 | 7.60 x 106 | 1.12 x 107 | 0.52 | 1.34 |
| NH4 B | 5.65 x 106 | 7.95 x 106 | 1.01 x 107 | 0.77 | 0.89 |
| NO3 B | 7.48 x 106 | 4.99 x 106 | 1.11 x 107 | 0.53 | 1.32 |
|  |  |  |  |  |  |
| Average | 6.91 x 106 | 6.85 x 106 | 1.08 x 107 | 0.45 | 1.16 |

Note: Data points represent single replicate counts for the pre-treatment, and different N sources (no data for NO2-). Cell counts were done using the disposable hemocytometers, InCyto C-Chip DHC-N01 (Neubauer Improved) glass two-grid slides. A minimum of 200 cells counted, 2X grids, then averaged.