

Supplementary Information

Species	Optimal N:P (mol mol ⁻¹)	Freshwater/ Marine	Taxon	Source
<i>Melosira binderana</i>	7.1	Freshwater	Diatom	1
<i>Microcystis</i> sp.	8.9	Freshwater	Cyanobacterium	1
<i>Synedra ulna</i>	11.1	Freshwater	Diatom	1
<i>Alexandrium tamarense</i>	11.1	Marine	Dinoflagellate	2, 3
<i>Skeletonema costatum</i>	12.0	Marine	Diatom	4
<i>Asterionella formosa</i>	12.0	Freshwater	Diatom	1
<i>Heterocapsa circularisquama</i>	12.3	Marine	Dinoflagellate	5
<i>Dunaliella tertiolecta</i>	12.8	Marine	Chlorophyte	6, 7
<i>Aphanizomenon gracile</i>	13.1	Freshwater	Cyanobacterium	8
<i>Heterosigma akashiwo</i>	13.1	Marine	Rhaphidophyte	9
<i>Anabaena solitaria</i>	14.0	Freshwater	Cyanobacterium	8
<i>Staurastrum luetkemullerii</i>	15.9	Freshwater	Chlorophyte	10
<i>Emiliana huxleyi</i>	16.3	Marine	Coccolithophorid	11
<i>Oscillatoria redekei</i>	17.1	Freshwater	Cyanobacterium	8
<i>Anabaena flos-aquae</i>	17.7	Freshwater	Cyanobacterium	12
<i>Pseudoanabaena catenata</i>	19.9	Freshwater	Cyanobacterium	13
<i>Ankistrodesmus falcatus</i>	21.0	Freshwater	Chlorophyte	1
<i>Selenastrum minutum</i>	21.7	Freshwater	Chlorophyte	14
<i>Selenastrum capricornutum</i>	21.9	Freshwater	Chlorophyte	1
<i>Scenedesmus obliquus</i>	23.0	Freshwater	Chlorophyte	15, 16
<i>Microcystis aeruginosa</i>	23.3	Freshwater	Cyanobacterium	17
<i>Chaetoceros affinis</i>	23.9	Marine	Diatom	4
<i>Synechococcus linearis</i>	24.4	Freshwater	Cyanobacterium	18
<i>Fragilaria crotonensis</i>	25.0	Freshwater	Diatom	1
<i>Scenedesmus</i> sp.	27.4	Freshwater	Chlorophyte	15, 19
<i>Thalassiosira pseudonana</i>	29.2	Marine	Diatom	2, 20, 21
<i>Oscillatoria agardhii</i>	36.5	Freshwater	Cyanobacterium	22
<i>Synechococcus</i> sp.	44.3	Freshwater	Cyanobacterium	24
<i>Aureoumbra lagunensis</i>	133.3	Marine	Pelagophyte	24

Supplementary Information References

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