Supplementary information accompanying ‘Nutrient regulation of late spring phytoplankton blooms in the mid-latitude North Atlantic’ by Thomas J. Browning et al.

In this document select microscope images from experimental treatments are reproduced. For all images presented, magnification is ×100 and image width is approximately 600 µm. Note the differences in seawater volumes that samples have been concentrated from. The main diatoms identified are noted.

Exp. 1 Control (concentrated from volume: 50 mL)
Main diatoms: few present
Exp. 1 N+Fe (concentrated from volume: 50 mL)
Main diatoms: few present (some Pseudo-nitzschia)
Exp. 2 Control (concentrated from volume: 50 mL)
Main diatoms: few present
Exp. 2 N+Fe (concentrated from volume: 50 mL)
Main diatoms: few present
Exp. 3 Control (concentrated from volume: 50 mL)
Main diatoms: few present (some Pseudo-nitzschia)
Exp. 3 N+Fe (concentrated from volume: 50 mL)
Main diatoms: few present (some Pseudo-nitzschia and Guinardia)
Exp. 4 Control (concentrated from volume: 50 mL)
Main diatoms: few present
Exp. 4 Fe (concentrated from volume: 25 mL)
Main diatoms: (smaller single) Pseudo-nitzschia; (larger chains/colonies) Guinardia
Exp. 5 Control (concentrated from volume: 25 mL)
Main diatoms: Pseudo-nitzschia
Exp. 5 N+Fe (concentrated from volume: 10 mL sample)
Main diatoms: (smaller single) Pseudo-nitzschia (larger chains/colonies)
Thalassionemataceae (family) and Guinardia
Exp. 5 All (concentrated from volume: 10 mL sample)
Main diatoms: (smaller single) Pseudo-nitzschia (larger chains/colonies)
Thalassionemataceae (family) and Guinardia
Exp. 6 Control (concentrated from volume: 25 mL sample)
Main diatoms: (smaller single) Pseudo-nitzschia (larger chains/colonies)
Thalassionemataceae (family) and Guinardia
Exp. 6 N+Fe (concentrated from volume: 10 mL sample)
Main diatoms: (smaller single) Pseudo-nitzschia (larger chains/colonies)
Thalassionemataceae (family) and Guinardia
Exp.6 All (concentrated from volume: 10 mL sample)
Main diatoms: (smaller single) Pseudo-nitzschia (larger chains/colonies)
Thalassionemataceae (family) and Guinardia