Supplementary Material

Manipulation of non-random species loss in natural phytoplankton: qualitative and quantitative evaluation of different approaches

Friederike G. Engel\*, Aleksandra M. Lewandowska, Sarah Lena Eggers, Birte Matthiessen

**\* Correspondence:** fengel@geomar.de

**Supplementary Table 2.** Relative abundances of the different species in the initial samples (100 mL sample analyzed). Values are given in percent (%) of the total biomass per treatment. Co = control, S = heat stressed treatment, F1 = coarse filtration, F2 = fine filtration, D1 = weak dilution, D2 = strong dilution. SxD1 = weak dilution of heat stressed, SxD2 = strong dilution of heat stressed.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Abbr. | Co | S | F1 | F2 | D1 | D2 | SxD1 | SxD2 |
| *Thalassiosira spp.* | THA | 47.73 | 37.03 | 51.63 | 57.64 | 49.96 | 21.39 | 40.85 | 13.62 |
| *Skeletonema costatum* | SKE | 12.92 | 34.98 | 12.98 | 8.83 | 9.21 | 2.24 | 26.12 | 22.43 |
| *Detonula confervaceae* | DET | 17.93 | 9.02 | 20.19 | 6.61 | 18.93 | 18.06 | 7.04 | 10.79 |
| *Plagioselmis sp.* | PLA | 1.95 | 1.98 | 1.41 | 4.71 | 0.40 | 0.13 | 2.71 | 0.00 |
| *Heterocapsa rotundata* | HET | 1.80 | 2.83 | 2.27 | 5.69 | 0.05 | 0.56 | 2.67 | 0.60 |
| *Chaetoceros spp.* | CHA | 2.14 | 2.01 | 2.17 | 0.11 | 0.62 | 0.28 | 2.87 | 2.51 |
| *Brockmaniella brockmanii* | BRO | 5.37 | 0.00 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| *Thalassionema nitzschioides* | THAN | 1.57 | 1.78 | 0.61 | 0.28 | 1.21 | 2.23 | 1.31 | 2.25 |
| *Asterionella formosa* | AST | 2.48 | 1.46 | 1.89 | 0.81 | 7.58 | 0.00 | 2.69 | 0.00 |
| *Navicula spp.* | NAV | 0.07 | 0.07 | 0.01 | 0.07 | 0.03 | 0.10 | 0.10 | 0.08 |
| *Gymnodinium sp.* | GYM | 0.06 | 0.15 | 0.06 | 0.22 | 0.02 | 0.00 | 0.01 | 0.00 |
| *Cylindrotheca closterium* | CYL | 0.04 | 0.04 | 0.04 | 0.12 | 0.04 | 0.06 | 0.01 | 0.10 |
| *Ebria tripatita* | EBR | 0.72 | 0.21 | 0.05 | 0.28 | 2.54 | 1.24 | 0.80 | 2.01 |
| *Fragilaria sp.* | FRA | 0.15 | 0.12 | 0.30 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| *Licmophora sp.* | LIC | 4.06 | 0.00 | 0.00 | 12.59 | 8.12 | 0.00 | 0.00 | 45.07 |
| *Scenedesmus sp.* | SCE | 0.08 | 0.24 | 0.03 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 |
| *Coelastrum sp.* | COE | 0.03 | 0.00 | 0.00 | 0.14 | 0.00 | 0.31 | 0.07 | 0.00 |
| *Teleaulax sp.* | TEL | 0.01 | 0.23 | 0.02 | 0.02 | 0.00 | 0.00 | 0.04 | 0.00 |
| *Dictyocha speculum* | DIC | 0.16 | 0.09 | 0.09 | 0.49 | 0.64 | 0.00 | 0.00 | 0.00 |
| *Nitzschia microcephala* | NIT | 0.09 | 0.07 | 0.16 | 0.36 | 0.46 | 0.00 | 0.39 | 0.42 |
| *Thalassiosira rotula* | THAR | 0.55 | 7.44 | 2.93 | 0.85 | 0.00 | 7.57 | 1.62 | 0.00 |
| *Gyrodinium sp.* | GYR | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.06 | 0.01 | 0.10 |
| *Eutreptiella sp.* | EUT | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| *Ditylum brightwelli* | DIT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.44 | 0.00 |
| *Pseudo-Nitzschia pungens* | PSEN | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 0.00 | 0.00 |
| *Ceratium fusus* | CER | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.82 | 0.00 | 0.00 |
| *Dinobryon divergens* | DIND | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 |
| *Snowella sp.* | SNO | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| *Tetraedron minimum* | TET | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 |
| *Centric Diatom sp. 1* | CEN | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |