



**Figure S1:** a–b) Time course of fluorescence changes as a proxy of total phytoplankton biomass in the two experimental phases. (a) Grazing phase: different symbols indicate the different treatments. (b) Nutrient phase: different symbols indicate the different treatments. Filled symbols indicate the nutrient shifted treatments, empty symbols the control treatments. c–d) Time course of total phytoplankton biomass during the nutrient phase in 0 (circles), 40 (triangles) and 160 (squares) ind  $L^{-1}$  pre-grazed treatments (c) with added nutrients (N) and (d) without nutrients (C). Small symbols indicate the biomass of the replicates; big symbols indicate the average biomass of the treatments and SE.