



*Supplement of*

## **Phytoplankton community structure in the VAHINE mesocosm experiment**

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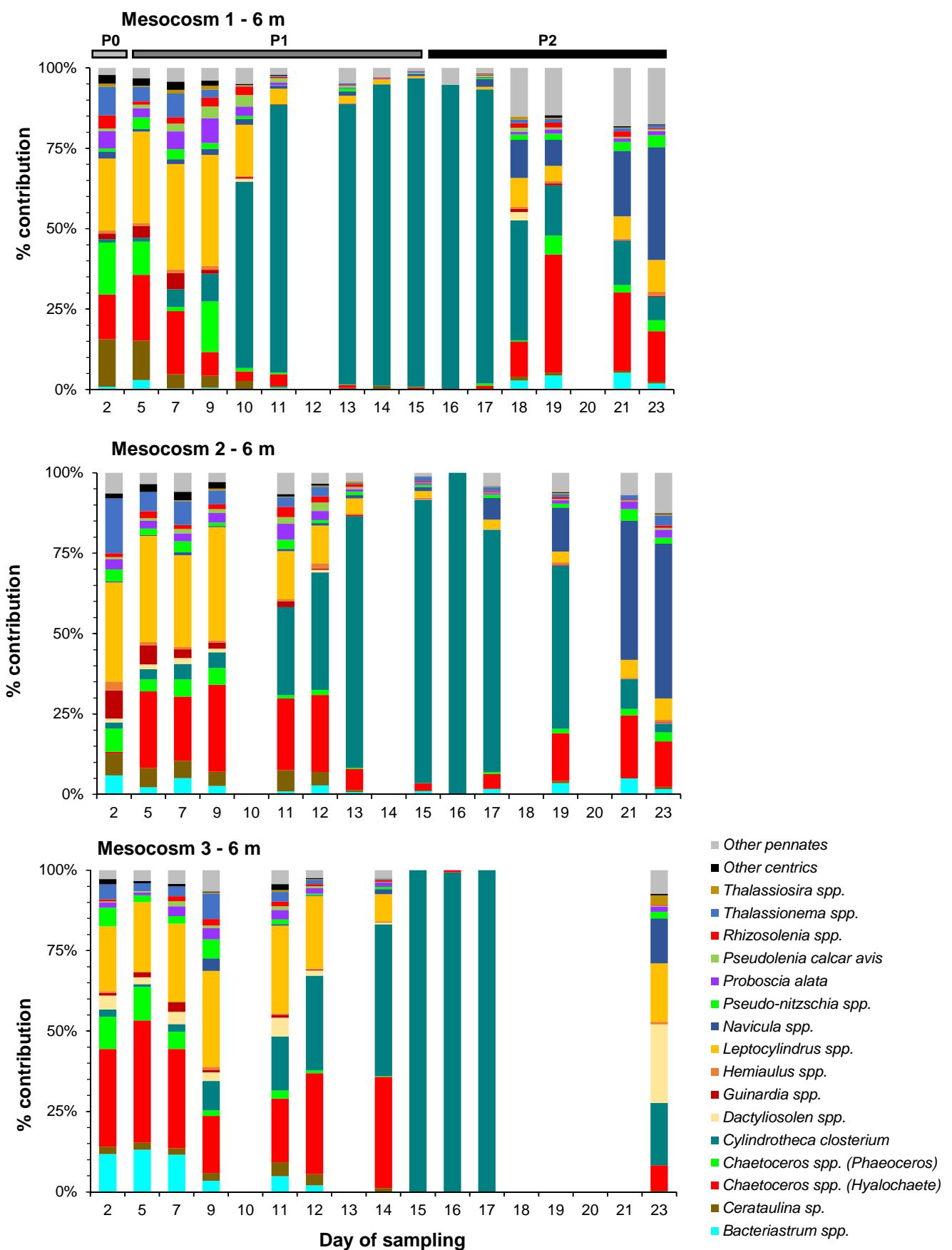


Figure S1: Main diatom genera/species composition in % contribution at the intermediate depth (6 m) in each mesocosm.

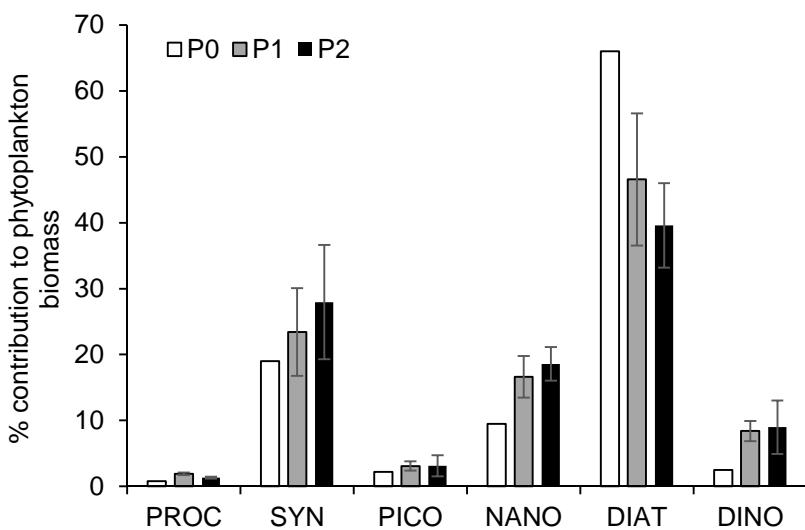


Figure S2 : Average ( $\pm$ SD) contribution to C biomass of the main groups constituting phytoplankton communities (diazotrophs not included) over the course of the experiment following the three periods P0, P1 and P2 for *Prochlorococcus* (PROC), *Synechococcus* (SYN), pico-phytoeukaryotes (PICO), nano-phytoeukaryotes (NANO), diatoms (DIAT) and dinoflagellates (DINO).