



Figure S1. Experimental localisations of diatom ornithine cycle enzymes. This figure shows *P. tricornutum* cell lines expressing C-terminal GFP fusions of enzymes implicated in the chloroplast ornithine cycle : AOTAM (acetylornithine transaminase) ; ACGK (acetylglutamate kinase) ; OACT (ornithine acetyltransferase) ; and NAGPR (N-acetyl-gamma-phosphate reductase), using methodology as per ²¹. Constructs labelled « NTD » were made with the N-terminal targeting sequence and first 15 aa of the conserved domain of the protein only; all other constructs were made with full-length protein constructs. Scale bars are to 10 μ m.