



**Supplementary Fig. S1.** Growth rate and change of silicon (Si) concentration in the culture of *Thalassiosira eccentrica* LIMS-PS-3165 at different nutrient limitations. (A) Cell density under nutrient limitation [P(-) or N(-) or Si(-)] and control [Si(+)]. (B) Concentration of silica remaining in the culture media. Error bars represent standard error ( $n = 3$ ).