

# Supplementary material

Table S1. Specific growth rates of the four phytoplankton species.

Temperature (°C)	Growth rate (d <sup>-1</sup> )			
	<i>P. micans</i>	<i>C. affinis</i>	<i>N. closterium</i>	<i>S. trichoidea</i>
16	0.184±0.029**	0.506±0.02	0.413±0.011	0.107±0.004
20	0.261±0.015	0.532±0.007	0.705±0.014	0.118±0.007
24	0.291±0.014	0.524±0.008	0.993±0.01**	0.123±0.007

\*\* :  $P < 0.05$

Table S2. TEP concentration of *S. trichoidea*

Temperature	TEP conc.per liter (µg Xeq./L)	TEP conc.per Chl <i>a</i> (µg Xeq./L)
16°C	1325.18±101.94	8.2015±1.12
20°C	1427.11±134.85	7.78647±0.58
24°C	1868.84±77.86**	7.34563±0.19

\*\* :  $P < 0.05$