

Table S1. Experiment design, culturing parameters and sampling schedule.

Experiment	Intensity ($\mu\text{E}/\text{m}^2/\text{s}$)	shaking (rpm)	Temp ($^\circ\text{C}$)	OD min	OD max	dilution	duration (hrs)	#samples
a	150	125	37	0.54	0.69	yes	68.5	18
b	150	125	37	0.38	0.68	yes	54	19
c	150	125	37	0.20	0.41	yes	75	25
control-1	150	125	37	0.38	0.68	yes	54	19
control-2	150	125	37	0.20	0.41	yes	75	25