

Table S1. Dissolved inorganic nutrient concentrations in the flasks at day 15.

Day and flask number	Treatment	Phosphate ( $\mu\text{M}$ )	Nitrate ( $\mu\text{M}$ )	Ammonium ( $\mu\text{M}$ )	Silicate ( $\mu\text{M}$ )
D15 5	Co-culture	9.85	768.21	11.81	27.65
D15 7	Co-culture	11.44	943.09	12.83	23.40
D15 8	Co-culture	9.43	900.41	4.96	18.45
D15 18	Axenic	11.79	643.40	5.61	66.84
D15 20	Axenic	11.34	874.95	10.93	34.03
D15 21	Axenic	10.95	809.26	8.64	38.53
D20 10	Co-culture	15.90	810.91	19.48	65.17
D20 15	Co-culture	16.81	811.72	22.15	516.19
D20 17	Co-culture	11.37	750.14	0.63	63.49