

Supplementary Materials

Figure S1: Variations of environmental factors among three depths. S: surface, M: middle, B: bot-tom.

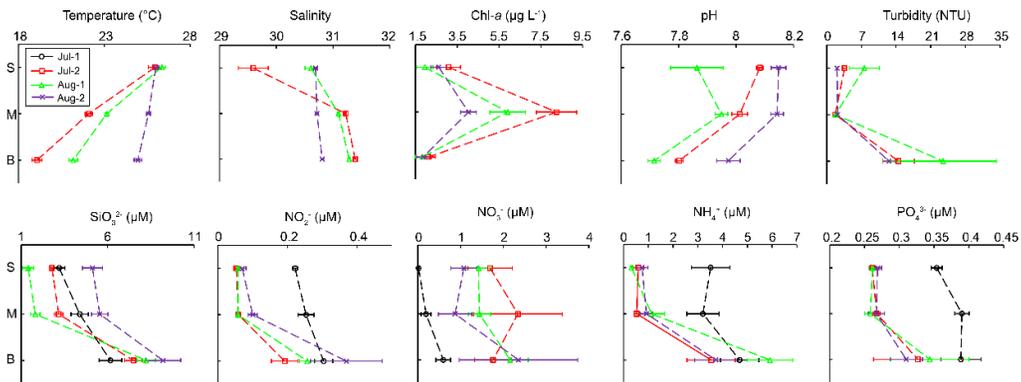


Table S1 Results of ANOSIM testing the differences in assemblage structure of *Synechococcus* genotypes at separate sampling cruises.

	R	P-value
Sampling time (global test)	0.59	<0.01
Jul-1 VS. Jul-2	0.16	<0.01
Jul-1 VS. Aug-1	0.79	<0.01
Jul-1 VS. Aug-2	0.97	<0.01
Jul-2 VS. Aug-1	0.48	<0.01
Jul-2 VS. Aug-2	0.84	<0.01
Aug-1 VS. Aug-2	0.49	<0.01