

S1 Table. Source pH, temperature, salinity and nutrient profile of seawater collected for pH* assays.
All concentrations are in μM .

seawater batch	date collected	source pH	source temp ($^{\circ}\text{C}$)	source salinity	[PO_4]	[$\text{Si}(\text{OH})_4$]	[NO_3]	[NO_2]	[NH_4]
SW04	06/19/13	8.11	12.2	35	-	-	-	-	-
SW05	06/21/13	7.83	12.7	34	-	-	-	-	-
SW06	06/21/13	7.83	12.7	34	-	-	-	-	-
SW07	06/24/13	7.97	12.7	34	-	-	-	-	-
SW08	06/25/13	8.03	13.2	32	1.85	46.93	20.67	0.27	0.82
SW09	06/29/13	8.34	18.8	30	-	-	-	-	-
SW10	06/30/13	8.33	19.4	29	0.17	8.23	0.14	0.03	0.09
SW11	07/06/13	8.24	14.0	32	0.65	22.08	3.49	0.18	0.09
SW12	07/08/13	8.08	13.2	32	-	-	-	-	-
SW13	07/09/13	8.00	14.4	33	1.73	48.89	15.44	1.06	0.62
SW14	07/13/13	7.91	14.5	32	1.78	44.95	20.10	0.35	0.76