

Table S1 Components of the modified F/2ASW medium containing different concentrations of Na⁺.

Component	Concentration
Basal seawater components (mM)	
NaCl ^a	0–423
K ₂ CO ₃	5
MgSO ₄ ·7H ₂ O	17.6
H ₃ BO ₃	0.4
KBr	0.84
KF	0.07
CaCl ₂ ·2H ₂ O	9.0
SrCl ₂ ·6H ₂ O	0.08
MgCl ₂ ·6H ₂ O	38.0
KNO ₃	1.70
KH ₂ PO ₄	0.06
Na ₂ SiO ₃ ·9H ₂ O ^b	0.1
Tris base	10
Trace elements (μM)	
CuSO ₄ ·5H ₂ O	0.006
ZnSO ₄ ·7H ₂ O	0.08
MnCl ₂ ·4H ₂ O	0.9
Na ₂ EDTA·2H ₂ O ^b	1.2
Na ₂ MoO ₄ 2H ₂ O ^b	0.026
CoCl ₂ ·6H ₂ O	0.077
FeCl ₃ ·6H ₂ O	12
Na ₂ SeO ₃ ^b	0.001
Vitamins (nM)	
Cyanocobalamin	0.037
Biotin	0.20
Thiamine-HCl	29.6

^a Na⁺ concentrations were modulated by changing the amount of NaCl (0, 10, 20, 50, 200, or 423 mM).

^b Basal Na⁺ concentrations except for NaCl was 0.23 mM, which was derived from trace elements and Na₂SiO₃.