

Supplementary table. Carbon biomass (particulate organic carbon, POC) and Fe uptake rates for pico-nanoplankton. Values are relative to incubations performed on seawater prefiltered on 25 μm mesh (microplankton was excluded).

Station	PAR level	Carbon biomass (POC)* ($\mu\text{molC L}^{-1}$)	Fe uptake rate ($\text{pmolFe L}^{-1} \text{d}^{-1}$)
E-4E	75%	11.99	14.33
	45%		16.80
	25%		12.83
	16%		14.11
	4%		15.53
	1%		8.80
A3-2	75%	3.03	17.69
	45%		14.33
	25%		13.26
	16%		22.89
	4%		19.26
	1%		21.33
E-5	75%	2.75	5.32
	45%		5.40
	25%		9.93
	16%		9.14
	4%		13.90
	1%		10.67
R-2	75%	3.05	0.40
	45%		0.44
	25%		0.38
	16%		0.35
	4%		0.37
	1%		0.44
E-2	75%	5.90	1.82
	45%		1.80
	25%		2.66
	16%		10.42
	4%		3.06
	1%		0.78
E-3	75%	7.10	15.71
	45%		n.d
	25%		17.76
	16%		14.85
	4%		27.17
	1%		26.45
F-L	75%	9.82	50.02
	45%		43.20
	25%		61.33
	16%		61.09
	4%		56.18
	1%		24.71
E-4W	75%	4.24	12.68
	45%		9.40
	25%		19.36
	16%		15.11
	4%		14.88
	1%		17.50

* Carbon biomass for pico-nanoplankton was calculated from particulate organic carbon (POC) concentrations measured on surface seawater. We assumed the sum of the POC concentration on the 1 and 5 μm filters, corresponding to the 1-20 μm size-fraction, to be representative of this community.