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Appendix A

Statistical results (*p*-value) using Dunnet *t*-test of PDMPO fluorescence.

Chaetoceros brevis / *laciniosus* complex

	C-380	C-600	Fe-180	Fe-380	Fe-600	Fe-1000
C-380		1.000	1.000	0.752	0.000	0.000
C-600			1.000	0.963	0.004	0.000
Fe-180				0.874	0.000	0.000
Fe-380					0.291	0.036
Fe-600						0.836
Fe-1000						

Chaetoceros complesus / *contortus* complex

	C-380	C-600	Fe-180	Fe-380	Fe-600	Fe-1000
C-380		0.997	0.002	0.371	0.079	0.000
C-600			0.140	0.994	0.618	0.000
Fe-180				0.810	1.000	0.000
Fe-380					0.995	0.000
Fe-600						0.000
Fe-1000						

Chaetoceros constricus

	C-380	C-600	Fe-180	Fe-380	Fe-600	Fe-1000
C-380		0.337	0.000	0.000	0.059	0.059
C-600			0.018	0.143	0.936	0.000
Fe-180				1.000	0.996	0.000
Fe-380					1.000	0.000
Fe-600						0.000
Fe-1000						

Chaetoceros debilis

	C-380	C-600	Fe-180	Fe-380	Fe-600	Fe-1000
C-380		0.101	0.009	0.055	0.017	0.000
C-600			1.000	1.000	1.000	0.162
Fe-180				1.000	1.000	0.000
Fe-380					0.998	0.002
Fe-600						0.048
Fe-1000						

Chaetoceros diadema

	C-380	C-600	Fe-180	Fe-380	Fe-600	Fe-1000
C-380		1.000	0.001	0.018	0.863	0.000
C-600			0.154	0.202	1.000	0.002
Fe-180				1.000	0.055	0.198
Fe-380					0.169	0.544
Fe-600						0.000
Fe-1000						

Chaetoceros radicans

	380-C	C-380	C-600	Fe-180	Fe-380	Fe-600
C-380		0.206	1.000	0.001	1.000	0.000
C-600			0.134	0.266	0.966	0.181
Fe-180				0.000	0.997	0.000
Fe-380					0.039	1.000
Fe-600						0.025
Fe-1000						

Thalassiosira spp.

	C-380	C-600	Fe-180	Fe-380	Fe-600	Fe-1000
C-380		0.225	0.845	0.790	0.289	0.011
C-600			0.976	0.986	1.000	0.861
Fe-180				1.000	1.000	0.314
Fe-380					1.000	0.364
Fe-600						0.402
Fe-1000						

Fragilariopsis spp.

	C-380	C-600	Fe-180	Fe-380	Fe-600	Fe-1000
C-380		0.037	0.298	1.000	0.242	n.d.
C-600			0.167	0.017	1.000	n.d.
Fe-180				0.291	0.089	n.d.
Fe-380					0.231	n.d.
Fe-600						n.d.
Fe-1000						

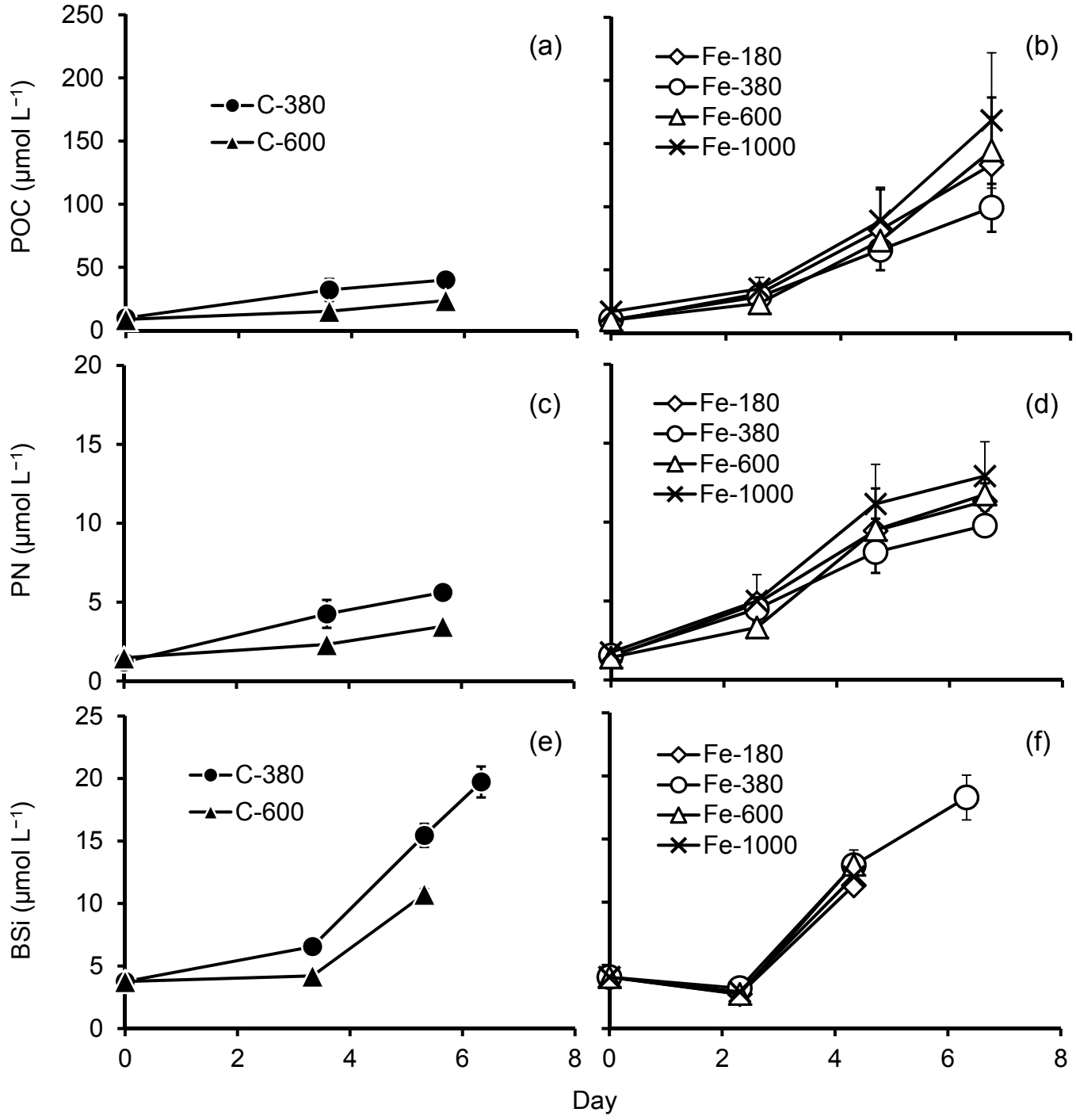
n.d.: not detected in the samples.

Neodenticula seminae

	C-380	C-600	Fe-180	Fe-380	Fe-600	Fe-1000
C-380		0.009	1.000	0.004	1.000	0.001
C-600			0.000	0.000	0.000	0.996
Fe-180				0.025	1.000	0.000
Fe-380					0.001	0.000
Fe-600						0.000
Fe-1000						

Pseudo-nitzschia spp.

	C-380	C-600	Fe-180	Fe-380	Fe-600	Fe-1000
C-380		0.998	0.748	0.008	0.606	0.001
C-600			0.037	0.000	0.017	0.000
Fe-180				0.122	1.000	0.009
Fe-380					0.154	1.000
Fe-600						0.011
Fe-1000						



Suppl. Fig. 1. Temporal change in (a) and (b) POC, (c) and (d) PN, and (e) and (f) BSi concentrations in the controls (a), (c) and (e), and Fe-added treatments (b), (d) and (f) during the incubation experiment. Data represent mean ± 1SD of the triplicate bottles.