

Supplementary Table 1. The total (Fe_T) and free (Fe') iron concentrations ($\pm\text{S.E.}$) of the various CO_2 and light treatments.

Parameters	Fe_T	Low CO_2		Mid CO_2		High CO_2	
		LL	HL	LL	HL	LL	HL
Light response	400	5507 (952)	5559 (319)	6440 (391)	3694 (445)	3887 (256)	9676 (421)
Temperature response	400	4938 (136)	5601 (1)	4513 (385)	6200 (448)	3950 (248)	8909 (135)
Iron response	400	288 (24)	550 (16)	393 (14)	562 (19)	355 (13)	853 (5)
	200	444 (24)	489 (22)	347 (21)	649 (34)	350 (26)	1037 (3)
	100	435 (60)	563 (45)	335 (8)	596 (22)	205 (4)	478 (12)
	40	494 (12)	539 (26)	357 (6)	597 (21)	102 (4)	289 (9)
	4		239 (16)		66 (1)		23 (1)

Light and temperature response cultures used a 2 μM EDTA concentration, as reported in Boatman et al. (2017). The iron response cultures used a 20 μM EDTA concentration.