

Table 1. Pigment contents of nutrient-replete cells and cells deprived of N, S or P for 48 h. n = number of independent measurements, and the standard deviations of the means are in parentheses

	PBS per cell ^a	Chl per cell ^b	Carot:Chl ^c	Zea:Chl ^d	Bcar:Chl ^e
Control	0.97 (.21) n=20	1.94 (.37) n=12	1.18 (.27) n=6	.4 (.07) n=3	.34 (.06) n=3
48h -P	.24 (.06) n=7	.75 (.14) n=7	2.94 (.63) n=4	.82 (.1) n=3	.5 (.04) n=3
48h -S	.02 (.02) n=10	.69 (.17) n=8	4.0 (.61) n=7	1.15 (.2) n=3	.38 (.03) n=3
48h-N	.12 (.11) n=7	.94 (.26) n=6	2.32 (.34) n=5	.54 (.12) n=3	31 (.12) n=3

^a PBS content per cell is given in relative units.

^b Chl content per cell is given as mg per cell $\times 10^{11}$.

^c Total carotenoid to Chl ratio (Carot:Chl) is given as A_{460}/A_{665} .

^{d,e} Molar ratios of zeaxanthin (Zea) and β -carotene (Bcar) to Chl determined by HPLC.