Table 1. Fluorescence intensity statistics for individual components as determined from MCR analysis of hyperspectral images of various *Synechocystis* strains that were grown in continuous light (L) or under LAHG conditions (D)

Strain, conditions	% PC	% APC	% APC-B	% Chl (685 nm)	% Chl (698 nm)	% Car	% of WT
Wild type, L	41.4	20.0	4.8	26.7	6.4	0.7	100
Wild type, D	37.9	26.6	8.8	20.4	5.5	0.8	106
ChlL-less, L	38.3	9.8	10.4	33.8	5.4	2.3	23.5
ChlL-less, D	41.5	24.5	13.7	17.4	2.0	0.9	24.5
PSI-less, L	37.3	32.0	6.4	22.9	1.0	0.4	84.3
PSI-less/ChlL-less, L	36.5	8.1	14.8	38.5	0.5*	1.7	25.4
PSI-less/ChlL-less, D	41.4	29.2	12.0	13.9	2.6	0.9	33.2

Percentages reported were calculated by determining the mean fluorescence intensity of each component at its emission maximum from all of the cells in an image of a strain and dividing that value by the sum of the mean values for all components for that strain. All percentages except those indicated by an asterisk are statistically supported. The value in the last column indicates the percentage of total signal relative to the wild-type *Synechocystis* grown in light. Note: The carotenoid mean intensities were calculated by using the baseline-corrected intensity at the most intense Raman peak, rather than at the emission maximum as done for the fluorescence emission components.