

Table 2S. Percentage excitation of pigment type and between parentheses the relative absorption of a single pigment with the different excitation wavelengths at 77K.

Excitation (nm)	PC640	PC650	APC660	APC680	PSII Chl <i>a</i>
590	59% (4)	30% (1)	9% (1)	0.8% (1)	1.3% (0.1)
400	23% (2)	23% (1)	7% (1)	0.6% (1)	45.5% (5.7)