

Table 1S. Differences in the maximal fluorescence yields F_m as measured in several photosynthetic organisms by single turnover or multiple turnover excitation protocols and corresponding differences in the maximal yield of PSII photochemistry (F_v/F_m) and in the ratio between PSII and PSI.

	F_m normalised to LF			F_v/F_m				PSII/PSI
	HF1	HFM	HFD	LF	HF1	HFM	HFD	
<i>Chlorella</i> LL	1.14	1.35	1.36	0.65	0.70	0.74	0.74	0.8 ¹
<i>Chlorella</i> HL	1.13	1.23	1.26	0.61	0.65	0.68	0.68	0.9 ¹
<i>Dunaliella</i>	1.09	1.27	N.D.	0.64	0.67	0.73	N.D.	0.9 ²
<i>Chlam.</i> WT	1.15	1.38	1.30	0.69	0.73	0.76	0.74	0.9 ³
<i>Chlam.</i> DCMU-4	1.24	1.29	1.36	0.53	0.62	0.64	0.63	N.D.
<i>Chlam.</i> petA	1.11	1.42	1.15	0.65	0.68	0.76	0.70	N.D.
<i>Chlam.</i> A251I	1.01	1.08	0.81	0.65	0.65	0.64	0.57	0.8 ⁴
<i>Nannochloropsis</i>	1.13	1.40	N.D.	0.65	0.69	0.75	N.D.	4.6 ⁵
<i>Phaeodactylum</i>	1.14	1.19	1.20	0.65	0.69	0.71	0.71	2.9 ⁶
<i>Thalassiosira</i>	1.24	1.33	1.15	0.64	0.71	0.73	0.68	2.0 ⁷
<i>Aureococcus</i>	1.10	1.26	1.31	0.68	0.71	0.75	0.75	N.D.
Spinach thyl.	1.10	1.65	1.56	0.78	0.80	0.86	0.83	1.0 ⁸
BBY particles	1.03	1.25	1.00	0.66	0.68	0.72	0.66	∞

¹ (Greenbaum and Mauzerall 1991); ² (Falkowski *et al.* 1981); ³ Falkowski, P.G. (unpublished); ⁴ Förster, B. and Falkowski, P.G., unpublished; ⁵ (Suknik *et al.* 1997); ⁶ (Greene *et al.* 1991); ⁷ (Dubinsky *et al.* 1986); ⁸ (Lee and Whitmarsh 1989)