

TABLE 1. Properties of the c rings used in this study

Species	Mass(es) of c monomer (Da)		Modification ^e		R_m	Estimated c-ring mass (kDa)	Proposed stoichiometry	Theoretical mass of c oligomer (kDa) (modifications included)
	Theoretical	Detected	Formylation	Oxidation				
<i>Arthrospira</i> sp. strain PCC 9438	8,181	8,207/8,224	+	+	0.161 ± 0.034	122.03 ± 1.28	15	123.12
<i>Arthrospira</i> sp. strain PCC 9108	8,181	8,208/8,228	+	+	0.152 ± 0.026	122.35 ± 0.98	15	123.12
<i>Synechocystis</i> sp. strain PCC 6803	7,968	7,993/8,014	+	+	0.39 ± 0.036	113.42 ± 1.35	14	111.93
<i>Anabaena</i> sp. strain PCC 7120	8,002	8,027/8,042	+	+	0.389 ± 0.043	113.45 ± 1.62	14	112.41
<i>S. elongatus</i> SAG 89.79	7,956	7,967 ^d	–	+	0.601 ± 0.059	105.5 ± 2.22	13	103.57
<i>S. elongatus</i> PCC 6301	7,967	7,998/8,012	+	+	0.399 ± 0.05	113.07 ± 1.87	14	111.93
<i>Synechococcus</i> sp. strain PCC 6716	8,180	8,205/8,244	+	+	0.376 ± 0.039	113.96 ± 1.47	14	114.9
<i>S. elongatus</i> PCC 7942	7,967	7,967/7,985/7,998/8,012	–/+	+	0.399 ± 0.038	113.09 ± 1.43	14	111.93
<i>G. violaceus</i> PCC 7421	8,196	8,198/8,214/8,242	–/+	+	0.155 ± 0.021	122.25 ± 0.79	15	122.94
Spinach chloroplast	7,974	8,003 ^a	+	ND	0.385 ± 0.053	113.59 ± 2.01	14	112.04
<i>C. paradoxum</i>	8,257	8,266 ^b	–	ND	0.995 ± 0.093	90.66 ± 3.5	11	90.93
<i>I. tartaricus</i>	8,795	8,796 ^c	–	ND	0.842 ± 0.07	96.44 ± 2.63	11	96.76

^a Reference 33.^b Reference 18.^c Reference 19.^d See Fig. 3.^e +, N-terminal formylation (28 Da) or oxidation (16 Da) detected; –, no formylation or oxidation detected; ND, not determined.

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