

**Table 1.** Comparison of NC64A Genome Statistics to Those of Sequenced Chlorophyte Genomes

Features	NC64A	<i>C. reinhardtii</i>	<i>Micromonas</i> CCMP1545	<i>Micromonas</i> RCC299	<i>O. tauri</i>	<i>O. lucimarinus</i>
Nuclear genome size (Mb)	46.2	121	21.9	20.9	12.6	13.2
Number of chromosomes	12 <sup>a</sup>	17	19	17	20	21
GC content total (%)	67	64	65	64	59	60
Gene count	9,791	15,143	10,575	10,056	7,892	7,651
Avg. protein length (aa)	456	444	439	473	387	399
Avg. gene density (kb/gene)	4.7	5.0	2.1	2.2	1.6	1.7
Avg. number of exons per gene	7.3	8.3	1.9	1.6	1.6	1.3
Avg. exon length (nt)	170	190	731	958	750	970
Avg. intron length (nt)	209	373	187	163	126	187
Avg. coding sequence (%)	29	17	64	68	73	69

aa, amino acids; nt, nucleotides.

<sup>a</sup>Estimation based upon pulse field gel electrophoresis analysis.