

Alga	Genome Size (Mb)	Predicted Genes	% protein coding	Reference
Haptophytes				
<i>Chrysochromulina tobin</i>	59	16777	40.4	This paper
<i>Emiliania huxleyi</i>	142	30569	21.6	Read BA, Kegel J, Klute MJ, Kuo A, Lefebvre SC, Maumus F, et al. Pan genome of the phytoplankton <i>Emiliania</i> underpins its global distribution. Nature. 2013;499: 209–213. doi:10.1038/nature12221
Stramenopiles				
<i>Aureococcus anophagefferens</i>	56.7	11500	42.0	Gobler CJ, Berry DL, Dyhrman ST, Wilhelm SW, Salamov A, Lobanov AV, et al. Niche of harmful alga <i>Aureococcus anophagefferens</i> revealed through ecogenomics. Proc Natl Acad Sci U S A. 2011;108: 4352–4357. doi:10.1073/pnas.1016106108
<i>Ectocarpus siliculosus</i>	214	16256	16.0	Cock JM, Sterck L, Rouzé P, Scornet D, Allen AE, Amoutzias G, et al. The <i>Ectocarpus</i> genome and the independent evolution of multicellularity in brown algae. Nature. 2010;465: 617–621. doi:10.1038/nature09016
<i>Nannochloropsis oceanica</i>	30.1	9915	52.1	Wang D, Ning K, Li J, Hu J, Han D, Wang H, et al. <i>Nannochloropsis</i> genomes reveal evolution of microalgal oleaginous traits. PLoS Genet. 2014;10: e1004094. doi:10.1371/journal.pgen.1004094
<i>Phaeodactylum tricornutum</i>	27	10681	57.3	Bowler C, Allen AE, Badger JH, et. al. The Phaeodactylum genome reveals the evolutionary history of diatom genomes. Nature. 2008 Nov 13;456(7219):239-44. doi:10.1038/nature07410
<i>Thalassiosira pseudonana</i>	34.5	11242	32.7	Armbrust EV, Berges JA, Bowler C, Green BR, Martinez D, Putnam NH, et al. The genome of the diatom <i>Thalassiosira pseudonana</i> : ecology, evolution, and metabolism. Science. 2004;306: 79–86. doi:10.1126/science.1101156
<i>Phytophthora infestans</i>	228.5	18179	9.9	<i>Phytophthora infestans</i> Sequencing Project, Broad Institute of Harvard and MIT (http://www.broadinstitute.org/)