

Supplemental Table S3. List of Protein IDs and associated database for sequences used in phylogentic tree construction

Organism	ID	Database
<i>Chlamydomonas reinhardtii</i>	AAB97101.1	NCBI
<i>Chlamydomonas reinhardtii</i>	PNW83356	NCBI
<i>Vitrella brassicaformis</i>	CEL94447.1	NCBI
<i>Emiliana huxleyi</i>	XP_005785782.1	NCBI
<i>Emiliana huxleyi</i>	XP_005777092.1	NCBI
<i>Aureococcus anophagefferens</i>	XP_009033458.1	NCBI
<i>Porphyra umbilicalis</i>	OSX78923.1	NCBI
<i>Porphyra umbilicalis</i>	OSX73518.1	NCBI
<i>Porphyra umbilicalis</i>	OSX80811.1	NCBI
<i>Porphyra umbilicalis</i>	OSX78913.1	NCBI
<i>Pavlova sp.</i>	jgiPavlov2436	JGI
<i>Pelagophyceae sp.</i>	jgiPelago2097	JGI
<i>Gracilaropsis lemaneiformis</i>	ATE86702.1	NCBI
<i>Symbiodinium microadriaticum</i>	OLQ08796.1*	NCBI
<i>Chondrus crispus</i>	XP_005713538.1	NCBI
<i>Chrysochromulina sp. CCMP291</i>	KOO35684.1	NCBI
<i>Phaeodactylum tricornutum</i>	Phatr3_EG00333	EnsemblProtist
<i>Pseudo-nitzschia multistriata</i>	VEU40048.1	NCBI