

S6 Table. GenBank accession numbers of the taxon sampling for phylogenomics.

<i>Acetabularia acetabulum</i>	HG518425-HG794360
<i>Acutodesmus obliquus</i>	NC_008101
<i>Botryococcus braunii</i>	KM464687-KM504519
<i>Bryopsis hypnoides</i>	NC_013359
<i>Cephaleuros parasiticus</i>	KM464687-KM504519
<i>Chlamydomonas reinhardtii</i>	NC_005353
<i>Chlorella vulgaris</i>	NC_001865
<i>Coccomyxa subellipsoidea C-169</i>	NC_015084
<i>Codium decortcatum</i>	KM820109-KM820167
<i>Dunaliella salina</i>	NC_016732
<i>Elliptochloris bilobata</i>	KM462887
<i>Floydiella terrestris</i>	NC_014346
<i>Geminella minor</i>	KM462883
<i>Halimeda cylindracea</i>	KM820107-KM820166
<i>Hemichloris antarctica</i>	HQ317295-KM491867
<i>Koliella corcontica</i>	KM462874
<i>Leptosira terrestris</i>	NC_009681
<i>Lobosphaera incisa</i>	KM462871
<i>Marsupiomonas sp. NIES 1824</i>	KM462870
<i>Marvania geminata</i>	KM462888
<i>Microthamnion kuetzingianum</i>	KM462876
<i>Monomastix sp. OKE-1</i>	NC_012101
<i>Neocystis brevis</i>	KM462873
<i>Nephroselmis astigmatica</i>	KJ746600
<i>Nephroselmis olivacea</i>	NC_000927
<i>Oedogonium cardiacum</i>	NC_011031
<i>Oltmannsiellopsis viridis</i>	NC_008099
<i>Oocystis solitaria</i>	FJ968739
<i>Ostreococcus tauri</i>	NC_008289
<i>Pabia signiensis</i>	KM462866
<i>Parachlorella kessleri</i>	NC_012978
<i>Pedinomonas minor</i>	NC_016733
<i>Pedinomonas tuberculata</i>	KM462867
<i>Picocystis salinarum</i>	NC_024828
<i>Prasinococcus sp. CCMP1194</i>	KJ746597
<i>Prasinoderma coloniale</i>	NC_024817
<i>Prasinophyceae sp. CCMP1205</i>	KJ746601

<i>Prasinophyceae sp. MBIC10622</i>	KJ746602
<i>Prasiolopsis sp. SAG 84.81</i>	KM462862
<i>Pseudendoclonium akinetum</i>	NC_008114
<i>Pseudochloris wilhelmii</i>	KM462886
<i>Pycnococcus provasolii</i>	NC_012097
<i>Pyramimonas parkeae</i>	NC_012099
<i>Schizomeris leibleinii</i>	HQ700713
<i>Stigeoclonium helveticum</i>	NC_008372
<i>Tetraselmis sp.</i>	AB561008-AB561081, DQ173248, DQ173249, DQ227304, HF931099
<i>Trebouxia aggregata</i>	EU123963-EU124002
<i>Trentepohlia annulata</i>	KM464689-KM491845
<i>Ulva sp.</i>	KP720616
<i>Volvox carteri f. nagariensis</i>	GU084820
<i>Watanabea reniformis</i>	KM462863
<i>Xylochloris irregularis</i>	KM462872