

## Acquired phototrophy in aquatic protists

Diane K. Stoecker<sup>1,\*</sup>, Matthew D. Johnson<sup>2</sup>, Colomban de Vargas<sup>3</sup>, Fabrice Not<sup>3</sup>

<sup>1</sup>University of Maryland Center for Environmental Science, Horn Point Laboratory, PO Box 775,  
2020 Horns Point Rd, Cambridge, Maryland 21613, USA

<sup>2</sup>Woods Hole Oceanographic Institution, Watson Building 109, MS#52, Woods Hole, Massachusetts 02643, USA

<sup>3</sup>Evolution du Plancton et PaleOceans (EPPO) Lab., UMR 7144 - CNRS & Univ. Paris VI,  
Station Biologique de Roscoff - SBR, Place George Teissier, BP 74 29682 Roscoff, Cedex, France

\*Email: stoecker@hpl.umces.edu

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Table S1. Radiolaria and foraminifera that host intact photosynthetic endosymbionts (E), possess a permanent and reduced eukaryotic algal 'endosymbiont', or retain only the chloroplasts from algal prey (O\*)

Taxon <sup>a</sup>	Known endosymbionts or sources of plastids	Known distribution	Source
<b>Acantharea</b>			
<i>Diploconus fascies</i>	E Prymnesiophyceae	Pelagic, Gulf of Aqaba, cosmopolitan	Kimor et al. 1992
<i>Acanthmetra pellucida</i>	E Prymnesiophyceae	Pelagic, Gulf of Aqaba, cosmopolitan	Febvre & Febvre-Chevalier 1979, Kimor et al. 1992
<i>Amphilonche elongata</i>	E Prymnesiophyceae	Pelagic, Gulf of Aqaba, cosmopolitan	Kimor et al. 1992, Febvre & Febvre-Chevalier 1979
<i>Lithoptera mulleri</i>	E Prymnesiophyceae	Eastern Mediterranean Sea	Febvre & Febvre-Chevalier 1979, Taylor 1990
<b>Polycystinea</b>			
<b>Spumellarida</b>			
<i>Didymocytis tetrathalamus</i>	E Dinoflagellates	Pelagic, Barbados	Sugiyama & Anderson 1998
<i>Spongaster tetras tetras</i>	E Dinoflagellates	Pelagic	Anderson et al. 1989
<i>Spongodymus</i> sp.	E Dinoflagellates	Pelagic	Gast & Caron 2001
<i>Tetrapetalon elegans</i>	E Dinoflagellates	Pelagic	Anderson et al. 1998a
<i>Spongostaurus</i> spp.	E Dinoflagellates, <i>Scrippsiella</i> sp.	Pelagic, Sargasso Sea, cosmopolitan	Gast & Caron 2001
<i>Dictyocoryne truncatum</i>	E Prymnesiophyceae	Pelagic	Anderson & Matsuoka 1992
<i>Spongodymus</i> sp.	E Prymnesiophyceae	Pelagic, Barbados	Anderson et al. 1983b
<i>Spongodymus</i> sp.	E Prasinophyceae, <i>Tetraselmis</i>	Pelagic, Sargasso Sea	Gast et al. 2000
<i>Thalassolampe margarodes</i>	E Prasinophyceae, <i>Pedinomonas symbiotica</i>	Pelagic	Cachon & Caram 1979
<i>Euchitonina elegans</i>	E Undetermined	Pelagic, Japan	Takahashi et al. 2003
<i>Spongodiscus biconcavus</i>	E Undetermined	Pelagic, Japan	Takahashi et al. 2003
<i>Acanthosphaera</i> sp.	E Undetermined	Pelagic, Sargasso Sea	Rivkin & Lessard 1986
<i>Actinomma</i> sp.	E Undetermined	Pelagic, Sargasso Sea	Rivkin & Lessard 1986
<i>Plegmosphaera</i> sp.	E Undetermined	Pelagic, Sargasso Sea	Rivkin & Lessard 1986
<i>Haxacontium</i> sp.	E Undetermined	Pelagic, Sargasso Sea	Rivkin & Lessard 1986
<i>Spongotrochus</i> sp.	E Undetermined	Pelagic, Sargasso Sea	Rivkin & Lessard 1986
<b>Collodaria</b>			
<i>Collozoum</i> spp.	E Dinoflagellates, <i>Scrippsiella</i> sp.	Pelagic, Cosmopolitan	Anderson et al. 1998b, Swanberg & Anderson 1981, Swanberg 1983, Gast & Caron 2001
<i>Collosphaera</i> sp.	E Dinoflagellates	Pelagic	Anderson et al. 1985
<i>Sphaerozoum</i> spp.	E Dinoflagellates	Pelagic, Eastern Mediterranean Sea, Japan	Anderson 1976, Kimor et al. 1992, Takahashi et al. 2003
<i>Acrosphaera spinosa</i>	E Dinoflagellates		Swanberg 1983
<i>Thalassicolla</i> spp.	E Dinoflagellates, <i>Scrippsiella</i> sp.	Pelagic, Sargasso Sea, cosmopolitan	Gast & Caron 2001, Zettler et al. 1998

Table S1 (continued)

Taxon <sup>a</sup>		Known endosymbionts or sources of plastids	Known distribution	Source
<b>Nassellarida</b>				
<i>Pterocorys zancleus</i>	E	Dinoflagellates	Pelagic	Anderson 1983, Sugiyama & Anderson 1997
<i>Pterocanium praetextum</i>	E	Undetermined	Pelagic, Japan	Takahashi et al. 2003
<i>Physematium muelleri</i>	E	Chrysophycophytes	Pelagic	Anderson et al. 1986
<i>Heliodiscus</i> sp.	E	Undetermined	Pelagic, Japan	Takahashi et al. 2003
<i>Phorticium pylonium</i>	E	Dinoflagellates	Neretic, Norwegian fjord	Dolven et al. 2007
<i>Ceratospyrus hyperborea</i>	E	Dinoflagellates	Neretic, Norwegian fjord	Dolven et al. 2007
<i>Androcyclas gamphonyca</i>	E	Dinoflagellates	Neretic, Norwegian fjord	Dolven et al. 2007
Astrosphaeridae		Prasinophyceae	Pelagic, Bermuda	Anderson 1976
<b>Foraminifera</b>				
<i>Globigerinoides</i> spp.	E	<i>Gymnodinium beii</i>	Pelagic	Shaked & de Vargas 2006, Taylor 1982
<i>Orbulina</i> spp.	E	<i>Gymnodinium beii</i>	Pelagic	Shaked & de Vargas 2006
<i>Globigerina</i> spp.	E	Dinoflagellates	Pelagic	Faber et al. 1988, Bé et al. 1977, Taylor 1982
<i>Globigerinella siphonifera</i>	E	Prymnesiophyceae	Pelagic, Sargasso Sea, cosmopolitan	Gast et al. 2000, Gast & Caron 2001, Faber et al. 1988
<i>Globorotalia menardii</i>	E	Prymnesiophyceae	Pelagic	Taylor 1982
<i>Pulleniatina obliqueloculata</i>	E	Prymnesiophyceae	Pelagic	Bé et al. 1977, Taylor 1982
<i>Amphisorus hemprichii</i>	E	Dinoflagellates, <i>Symbiodinium complex</i>	Benthic, Indian Ocean, Red Sea	Pawlowski et al. 2001b
<i>Sorites</i> sp.	E	Dinoflagellates, <i>Symbiodinium complex</i>	Benthic, Cosmopolitan	Pawlowski et al. 2001b
<i>Peneroplis</i> spp.	E	Rhodophytes, <i>Porphyridium</i>	Benthic, Red Sea	Lee 1990
<i>Amphistegina gibbosa</i>	E	Diatoms <i>Nitzschia</i> spp.	Benthic, Florida Keys, Worldwide	Pawlowski et al. 2001a, Tagle et al. 1997
<i>Heterosigma depressa</i>	E	Diatoms <i>Nitzschia</i> sp.	Benthic, Gulf of Eilat	Lee et al. 1982
<i>Archaias</i> spp.	E	Green, <i>Chlamydomonas</i> spp.	Benthic, Caribbean, Indo-pacific	Cotter & Hallock 1988
<i>Marginopora vertebralis</i>	E	Prymnesiophyceae, <i>Pleurochrysis scherffellii</i>	Benthic, off Lizard Island	Lee et al. 1997
<i>Elphidium</i> spp.	O*	Diatoms <i>Nitzschia</i> spp.	Benthic	Correia & Lee 2002
<i>Bulimina elegantissima</i>	O*	Diatoms	Benthic, cold seeps, brackish water	Bernhard et al. 2001
<i>Nonionella stella</i>	O*	Diatoms	Benthic, Santa Barbara basin	Bernhard 2003
<i>Virgulina fragilis</i>	O*	Diatoms	Benthic, Cariaco basin	Bernhard 2003
<sup>a</sup> Higher level classification according to Adl et al. 2005				

Table S2. Marine (Ma), estuarine (Es) and freshwater (Fr) ciliates that host intact photosynthetic endosymbionts (E), possess a permanent and reduced eukaryotic algal 'endosymbiont' (E\*), retain multiple organelles from algal prey (O), or retain only the chloroplasts from algal prey (O\*). '±' indicates that algal endosymbionts or plastids are sometimes present and sometimes absent in a species. '?' indicates uncertainty in identification of endosymbiont or plastid

Taxon <sup>a</sup>		Known endosymbionts or sources of plastids	Known distribution	Source
<b>Heterotrichea</b>				
<i>Climacostomum virens</i>	E	Chlorophyte- <i>Chlorella</i>	Fr-temperate	Reisser & Kurmeier 1984
<i>Maristentor dinoferus</i>	E	Dinoflagellate <i>Symbiodinium</i>	Ma-coral reefs	Lobban et al. 2002
<i>Stentor</i> sp.			Fr-subtropical, tropical	Laybourn-Parry et al. 1997
<i>Stentor amethystinus</i>	E	Cyanobacteria? <i>Chlorella?</i>	Fr-temperate	Macek et al. 2001, Woelfl & Geller 2002
<i>Stentor araucanus</i>	E	Chlorophyte-cf. <i>Chlorella</i>	Fr-temperate	Modenutti et al. 2002, 2005, Queimalinos et al. 1999, Woelfl & Geller 2002
<i>Stentor niger</i>	E	Chlorophyte- <i>Chlorella</i>	Fr-subtropical, acidic lakes	Beaver & Crisman 1989; Bienert et al. 1991
<i>Stentor polymorphus</i>	E	Chlorophyte- <i>Chlorella</i>	Fr	Reisser 1986
<b>Hypotrichia</b>				
<i>Euplotes daidaleos</i>	E	Chlorophyte- <i>Chlorella</i>	Fr-temperate-tropical, oxic-anoxic boundary	Finlay et al. 1987, Berninger et al. 1986, Beaver & Crisman 1989, Peřtová et al. 2008
<i>Euplotes uncinatus</i>	E	Dinoflagellate- <i>Symbiodinium</i> .	Ma-coral reefs	Lobban et al. 2005
<b>Oligotrichida</b>				
<i>Cyrtostrombidium</i> sp.	O*?	No data	Ma-subtropical, coastal	Modigh 2001
<i>Laboea cf. pulchra</i>	O*?		Ma-Es?	Sime-Ngando et al. 1992
<i>Laboea strobilia</i>	O*	Cryptophytes, Haptophytes, other chromophytes?	Ma, Es-polar, temperate, subtropical	Blackbourn et al. 1973, McManus & Fuhrman 1986, Dale 1987, Stoecker et al. 1987, Jonsson 1987, Laval- Peuto & Rassoulzadegan 1988, Stoecker et al. 1988, Bernard & Rassoulzadegan 1994, Stoecker et al. 1995, Levinsen & Nielsen 2002, Ota & Taniguchi 2003
<i>Limnostrombidium viride</i> = <i>Strombidium viride</i>	O*	Chlorophyceae, likely <i>Kirchneriella</i>	Fr- all lake types, world-wide, surface layer, stable stratification	Rogerson et al. 1989, Beaver & Crisman 1989, Hecky & Kling 1981, Laybourn-Parry & Marchant 1992, Perriss et al. 1994, Holen 2000, Foissner et al. 1999
<i>Pelagostrombidium</i>	O*?		Fr-temperate oligotrophic bog lakes	Macek et al. 2001, 2006
<i>Pelagostrombidium fallax</i>	O*	Greenish plastids	Fr	Sonntag et al. 2006, Macek et al. 2001, Müller et al. 1991, Foissner et al. 1999
<i>Pelagostrombidium mirabile</i> = <i>Strombidium mirabile</i>	O*	Yellow and green plastids	Fr-eutrophic lakes	Foissner et al. 1999
<i>Pelagostrombidium viridis</i>	O*?		Fr	Sonntag et al. 2006
<i>Rimostrombidium velox</i>	E	Green alga	Fr-temperate, bog lake	Macek et al. 2001, Foissner et al. 1999
<i>Strombidium acutum</i>	O*	Prasinophytes	Ma, Es-temperate, subtropical	Stoecker et al. 1988/89, Laval-Peuto & Rassoulzadegan 1988, Montagnes et al. 1988
<i>S. captiatum</i>	O*	Cryptophytes, haptophytes, prasinophytes	Ma, Es-temperate, subtropical	Laval-Peuto & Rassoulzadegan Stoecker et al. 1988/89, Montagnes et al. 1988, Stoecker & Silver 1990
<i>S. chlorophilum</i>	O* E?	Prasinophytes, cryptophytes	Es-temperate	Stoecker et al. 1988/89, Montagnes et al. 1988
<i>S. conicum</i>	O*	Prasinophytes	Ma, Es-temperate	Jonsson 1987, Stoecker et al. 1988/89, Montagnes et al. 1988
<i>S. crassulum</i>	O*? E?	No data	Ma-temperate, subtropical	Reid 1987, Laval-Peuto & Rassoulzadegan 1988
<i>S. delicatissimum</i>	O*	No data	Ma-temperate, subtropical	Laval-Peuto & Rassoulzadegan 1988

Table S2 (continued)

Taxon <sup>a</sup>		Known endosymbionts or sources of plastids	Known distribution	Source
<i>S. elegans</i>	O*	No data	Ma-temperate, subtropical	Laval-Peuto & Rassoulzadegan 1988
<i>S. kryalis</i>	O*	Cryptophyte & other algae	Ma-polar, sea ice	Petz et al. 1994
<i>S. oculatum</i>	O	Chlorophyte	Ma, Es-temperate tidepools	Faure-Fremiet 1948, McManus et al. 2004, Jonsson 1994
<i>S. cf. oculatum</i>	O?E?	No data	Fr- humid subtropical lake, stratification	Beaver & Crisman 1989, Beaver et al. 1988
<i>S. purpureum</i>	E	Purple non-sulfur bacteria	Es-temperate, anerobic microbial mat	Fenchel & Bernard 1993, Bernard & Fenchel 1994
<i>S. reticulatum</i>	E, O?	Prasinophytes	Ma-temperate, subtropical	Dale & Dahl 1987, Jonsson 1987, Laval-Peuto & Rassoulzadegan 1988
<i>S. styliifer</i>	O?	Chlorophyte	Ma-temperate, tidepool	McManus et al. 2004
<i>S. typicum</i>	O*	No data	Ma-temperate, subtropical	Laval-Peuto & Rassoulzadegan 1988
<i>S. vestitum</i>	O*? E?	No data	Ma-temperate, subtropical	Jonsson 1987, Laval-Peuto & Rassoulzadegan 1988
<i>S. viride</i> -see <i>Limnostrombidium viride</i>				
<i>Pseudotontonia cornuta</i>	O*	No data	Ma-temperate	Skovgaard & Legrand 2005
<i>Tontonia appendiculariformis</i>	O*	Mixture of Chromophytes	Ma-temperate, subtropical	Laval-Peuto & Febvre 1986, Laval-Peuto et al. 1986, Bernard & Rassoulzadegan 1994, Ota & Taniguchi 2003
<i>T. gracillima</i>	O*	No data	Ma-temperate, subtropical	Laval-Peuto & Rassoulzadegan 1988, Bernard and Rassoulzadegan 1994
<i>T. ovalis</i>	O*	No data	Ma-temperate, subtropical	Laval-Peuto & Rassoulzadegan 1988, Bernard and Rassoulzadegan 1994
<i>T. cf. poopsia</i>	O*	No data	Ma-subtropical	Ota & Tanguchi 2003
<i>T. cf. simplicidens</i>	O*	No data	Ma-subtropical	Ota & Tangiguchi 2003
<b>Choreotrichia</b>				
<i>Lohmaniella</i> sp. ?	O*? E?	No data	Ma-temperate, subtropical	Blackbourn et al. 1973, Bernard & Rassoulzadegan 1994
<i>Strobilidium gyrans</i>	E?		Fr-Canadian Lake	Amblard et al. 1993
<b>Stichotrichia</b>				
<i>Halteria bifurcata</i>	E?	<i>Chlorella</i>	Fr	Reisser 1986, Foissner et al. 1999
<i>Halteria grandinella</i>	E?		Fr	Finlay et al. 1988 cited in Dolan 1992
<i>Pelagohalteria viridis</i> (=Halteria viridis)	E	Algae, but not <i>Chlorella</i>	Fr-temperate and alpine lakes	Muller et al. 1991, Macek et al. 1996, Simek et al. 1996, Foissner et al. 1999, Sonntag et al. 2006
<i>Stichotricha secunda</i>	E	Chlorophyte	Fr	Macek et al. 2001
<b>Litostomatea</b>				
<i>Acaryophyra</i> sp.	E	Chlorophyte- <i>Chlorella</i>	Fr-temperate, oxic-anoxic boundary	Berninger et al. 1986, Beaver & Crisman 1989
<i>Actinbolina smalli</i>	E	Green algae	Fr- temperate, bottom layer	Foissner et al. 1999
<i>Actinbolina wenrichii</i>	E	Zoochlorellae	Fr-temperate	Foissner et al. 1999
<i>Askensia chlorelligera</i>	E	Green algae	Fr-temperate, oligotrophic to eutrophic	Sonntag et al. 2006, Krainer & Foissner 1990, Foissner et al. 1999, Macek et al. 1996
<i>Cyclotrichium viride</i>	E	± zoochlorellae	Fr-sometimes blooms	Foissner et al. 1999
<i>Didinium chlorelligerum</i>	E	Green algae	Fr-temperate ponds	Foissner et al. 1999
<i>Dileptus monilatus</i>	E	Chlorophyte- <i>Chlorella</i>	Fr	Karpov et al. 1991
<i>Homalozoon vermiculare</i>	E	Chlorophyte- <i>Chlorella</i>	Fr	Karpov et al. 1991
<i>Lacrymaria olor</i>	E	Chlorophyte- <i>Chlorella</i>	Fr	Karpov et al. 1991
<i>Liliomorpha viridis</i>	E	Green algae	Fr	Foissner et al. 1999
<i>Monodinium chlorelligerum</i>	E	Green algae	Fr	Foissner et al. 1999, Sonntag et al. 2006
<i>Myrionecta rubra</i> (=Mesodinium rubrum)	O, E*	Cryptophytes	Ma, Es and saline lakes-polar, temperate, subtropical, tropical	Taylor et al. 1971, Hibberd 1977, Oakley & Taylor 1978, Lindholm 1985, Crawford 1989, Stoecker et al. 1995, Gustafson et al. 2000, Levinsen & Nielsen 2002, Yih et al. 2004, Hansen & Fenchel 2006, Johnson et al. 2006, 2007, Park et al. 2007, Montagnes et al. 2008, Smith & Hansen 2007

Table S2 (continued)

Taxon <sup>a</sup>		Known endosymbionts or sources of plastids	Known distribution	Source
<i>Pelagodileptus trachelioides</i> = <i>Paradileptus caducus</i>	E	± zoochlorellae	Fr, temperate, stratification	Foissner et al. 1999, Pace 1982
<i>Perispira ovum</i>	O	Euglenophyta- <i>Euglena proxima</i>	Es, Fr-temperate, oxic– anoxic interface	Johnson et al. 1995
<i>Teuthophrys trisulca trisulca</i>	E	± green algae	Fr	Foissner et al. 1999
<b>Prostomatea</b>				
<i>Bursellopsis spumosa</i>	E	Green algae	Fr-temperate	Foissner et al. 1999
<i>Pelagothrix</i> sp.	E?	No data	Fr-tropical	Peřtová et al. 2008, Macek et al. 2008
<i>Pelagothrix chlorelligera</i>	E	Algae	Fr-temperate, eutrophic	Foissner et al. 1999
<i>Pelagothrix plancticola</i>	E	Green algae	Fr-temperate, eutrophic	Foissner et al. 1999
<i>Coleps</i> sp.	E	Chlorophyte- <i>Chlorella vulgaris</i>	Fr-temperate	Esteve et al. 1988, Stabell et al. 2002
<i>Coleps hirtus viridis</i>	E	Chlorophyte- <i>Chlorella vulgaris</i>	Fr-temperate, micro-oxic	Auer et al. 2004, Reisser 1986, Zingel & Ott 2000
<i>Coleps spetai</i>	E	Chlorophyte- <i>Chlorella</i>	Fr-temperate, micro-oxic	Reisser 1986; Sonntag et al. 2006
<i>Holophyra</i> sp.	E	Chlorophyte- <i>Chlorella</i>	Fr	Karpov et al. 1991
<i>Malacophrys sphagni</i>	E	Chlorophyte- <i>Chlorella</i>	Fr	Karpov et al. 1991, Reisser 1986
<i>Prorodon</i> sp.	?	No data	Ma-temperate	Blackbourn et al. 1973
<b>Peniculia</b>				
<i>Disematostoma butschlii</i>	E	± Chlorophyte- <i>Chlorella</i>	Fr-temperate, micro-oxic, can lose symbionts during winter mixis	Berninger et al. 1986, Beaver & Crisman 1989
<i>Disematostoma tetraedricum</i>	E	Green algae	Fr	Foissner et al. 1999
<i>Frontonia leucas</i>	E	Chlorophyte- <i>Chlorella</i>	Fr-benthic	Reisser 1986
<i>Frontonia vernalis</i>	E	Chlorophyte- <i>Chlorella</i>	Fr-temperate eutrophic ponds, micro-oxic	Finlay et al. 1987, Berninger et al. 1986
<i>Paramecium bursaria</i>	E	Chlorophyte- <i>Chlorella</i>	Fr	Reisser 1986
<i>Stokesia vernalis</i>	E	± Chlorophyte- <i>Chlorella</i>	Fr-temperate, eutrophic	Berninger et al. 1986, Amblard et al. 1993, Foissner et al. 1999
<b>Peritrichia</b>				
<i>Colthurnia oblonga</i>	E?		Fr-epiphytic	Macek et al. 1994
<i>Ophrydium eutrophicum</i>	E	Green algae	Fr-eutrophic	Foissner et al. 1999
<i>Ophrydium naumanni</i>	E	Chlorophyte- <i>Chlorella</i>	Fr-oligotrophic, metalimnion	Queimalinos et al. 1999, Modenutti & Balseiro 2002, Modenutti et al. 2005, Woelfl & Geller 2002
<i>Ophrydium versatile</i>	E	Chlorophyte- <i>Chlorella</i>	Fr	Reisser 1986
<i>Vorticella</i> sp.	E	Chlorophyte- <i>Chlorella</i>	Fr- epiphytic	Karpov et al. 1991, Reisser 1986
<i>Vorticella chlorellata</i>	E	Green algae	Fr- epiphytic	Sonntag et al. 2006, Foissner et al. 1999
<sup>a</sup> Higher level classification according to Adl et al. 2005				

Table S3. Marine, estuarine, and freshwater dinoflagellates that host intact photosynthetic eukaryotic endosymbionts (E), possess a permanent and reduced eukaryotic algal 'endosymbiont' (E\*), retain multiple organelles from algal prey (O), or retain only the chloroplasts from algal prey (O\*)

Taxon <sup>a</sup>	Known endosymbionts or sources of plastids	Known distribution	Source
<b>Dinophyceae</b>			
<i>Amphidinium latum</i>	O Cryptophytes		Horiguchi & Pienaar 1992
<i>Amphidinium poecilochroum</i>	O Cryptophytes	Temperate oceans	Larsen 1988; Jakobsen et al. 2000
<i>Amphidinium wigrense</i>	O Phycocyanin Cryptophytes	Temperate lakes	Wilcox & Wedemeyer 1985
<i>Amylax triacantha</i>	O <i>Teleaulax amphioxeia</i>	Temperate oceans	Koike and Takishita 2008
<i>Cryptoperidiniopsis</i> sp.	O* Cryptophytes	Estuarine and coastal marine habitats	Eriksen et al. 2002
<i>Dinophysis acuminata</i>	O* <i>Myrionecta rubra</i> ; <i>Teleaulax</i> spp.	Temperate oceans	Park et al. 2006
<i>Dinophysis caudata</i>	O* <i>Myrionecta rubra</i>	Temperate oceans	Park et al. 2008
<i>Dinophysis fortii</i>	O* <i>Myrionecta rubra</i> ; <i>Teleaulax amphioxeia</i>	Temperate oceans	Nagai et al. 2008
<i>Dinophysis infundibulus</i>	O* <i>Myrionecta rubra</i> ; <i>Teleaulax amphioxeia</i>	Temperate oceans?	Nishitani et al. 2008
<i>Dinophysis mitra</i>	O* Haptophyte algae	Temperate oceans	Koike et al. 2005
<i>Dinophysis norvegica?</i>	O* <i>Teleaulax amphioxeia?</i>	Temperate and sub-polar oceans	Carvalho et al. 2008
<i>Dinotrithix paradoxa</i>	E* Diatom	Estuarine and coastal marine habitats	Horiguchi & Chihara 1993
<i>Durinskia baltica</i>	E* Diatom	Estuarine and coastal marine habitats	Tomas & Cox 1973
<i>Durinskia capensis</i>	E* Diatom	Estuarine and coastal marine habitats	Pienaar et al. 2007
<i>Galeidinium rugatum</i>	E* Diatom	Estuarine and coastal marine habitats	Tamura et al. 2005
<i>Gymnodinium acidotum</i> (= <i>G. aeruginosum</i> )	O <i>Chroomonas</i> spp.	Temperate fresh water acidic lakes	Fields and Rhodes 1991
<i>Gymnodinium gracilentum</i>	O*? Cryptophytes	Estuarine and coastal marine habitats	Skovgaard 1998; Jakobsen et al. 2000
' <i>Kleptodinium</i> '	O <i>Phaeocystis antarctica</i>	Southern Ocean	Gast et al. 2007
<i>Kryptoperidinium foliaceum</i>	E* Diatom	Estuarine and coastal marine habitats	Jeffrey & Vesik 1976
<i>Noctiluca miliaris</i> (= <i>N. scintillans</i> )	E <i>Pedinomonas noctilucae</i>	Tropical Indian and Pacific Ocean	Sweeney 1978
<i>Peridinium quinquecorne</i>	E* Diatom	Estuarine and coastal marine habitats	Horiguchi & Pienaar 1991
<i>Pfiesteria piscicida</i>	O* Cryptophytes	Estuarine and coastal marine habitats	Lewitus et al. 1999
<i>Podolampas bipes</i>	E* Dictyophyte	Temperate, sub-tropical oceans	Schweiker and Elbräcter 2004

<sup>a</sup>Higher level classification according to Adl. et al. 2007

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