**Supplementary table 1.** Taxa used for plastid genome sequencing with source and GenBank accession numbers.

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| Taxon | Source/locality | GenBank Accession |
| *Cerataulina daemon* | Atlantic coast, FL, USA  Approx. 26.9o N, -80.0o W | KJ958484 |
| *Chaetoceros simplex* | CCMP 200 | KJ958479 |
| *Cyclotella sp. L04\_2* | Lake Ohrid, Macedonia | KJ958480 |
| *Cyclotella sp. WC03\_2* | Waller Creek, TX, USA  30.12 o N, 97.43 o W | KJ958481 |
| *Thalassiosira weissflogii* | CCMP 1336 | KJ958485 |
| *Rhizosolenia imbricata* | Harbor Branch Oceanographic Institute boat dock, FL, USA  Approx. 27.5o N, -80.3o W | KJ958482 |
| *Roundia cardiophora* | Achang Reef, Guam, USA  13.249o N, 144.697o W | KJ958483 |

Abbreviation: CCMP (National Center for Culture of Marine Phytoplankton)