Table S2 from Egge ES, Eikrem W, Edvardsen B (2015) “Deep-branching Novel Lineages and High Diversity of Haptophytes in the Skagerrak (Norway) Uncovered by 454 Pyrosequencing”, *Journal of Eukaryotic Microbiology* 62, 121-140. DOI: 10.1111/jeu.12157  
Haptophyte V4 SSU rRNA OTUs recorded in Skagerrak in the period September 2009 – June 2011a (‘--‘: Not applicable).

| **OTU id** | **Percentage of total reads (normalised)** | **Group** | **Lowest taxonomic level possible to determine** | **Best BLAST hit** (species and/or environmental clone name) | **Acc. No. of best BLAST hit** | **% match to best BLAST hit** | **Cultured** | **Size fraction** | **Previously observed in Skagerrak** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **OTU 1** | 12.60% | Calcihaptophycidae | *Emiliania huxleyi* | *Emiliania huxleyi*/*Gephyrocapsa oceanica* | HQ877901.1 | 99.7% | Yes | Both | Yes |
| **OTU 4** | 7.30% | Calcihaptophycidae | Clade F | 3b-H6 | FN690514.1 | 99.5% | No | Both | -- |
| **OTU 9** | 3.90% | Calcihaptophycidae | *Syracosphaera pulchra* | *Syracosphaera pulchra*/Ma130-Pry1-C40 | JX680341.1 | 100% | Yes | Both | No |
| **OTU 12** | 2.00% | Calcihaptophycidae | Clade F | SHAX992 | HQ868752.1 | 99.7% | No | Both | -- |
| **OTU 13** | 2.00% | Calcihaptophycidae | *Algirosphaera robusta* | *Algirosphaera robusta* | AM490985.2 | 99.7% | Yes | Both | Yes |
| **OTU 29** | 0.46% | Calcihaptophycidae | *Calyptrosphaera sphaeroidea* | *Calyptrosphaera sphaeroidea* | AM490990.2 | 100% | Yes | Only nano | Yes |
| **OTU 47** | 0.14% | Calcihaptophycidae | Calcihaptophycidae | 7656BH889\_SP6 | JX291729.1 | 99.2% | No | Both | -- |
| **OTU 48** | 0.14% | Calcihaptophycidae | Calcihaptophycidae | MO010\_1.00034 | GQ382423.1 | 98.3% | No | Both | -- |
| **OTU 52** | 0.13% | Calcihaptophycidae | cf. Syracosphaerales | *Syracosphaera pulchra*/Ma125-Pry1-C18 | JX680437.1 | 98.9% | No | Only pico | -- |
| **OTU 53** | 0.13% | Calcihaptophycidae | Isochrysidales | EV3-Pry1-C7 | JX680418.1 | 99.7% | No | Both |  |
| **OTU 62** | 0.07% | Calcihaptophycidae | Syracosphaerales | *Syracosphaera pulchra*/ AI5F13RM1D08 | GU824905.1 | 99.2% | No | Only nano | Yes |
| **OTU 63** | 0.07% | Calcihaptophycidae | Calcihaptophycidae | 7656BH889\_SP6 | JX291729.1 | 99.7% | No | Both | -- |
| **OTU 65** | 0.06% | Calcihaptophycidae | Clade F | SHAX462 | HQ868969.1 | 99.5% | No | Both | -- |
| **OTU 71** | 0.04% | Calcihaptophycidae | cf. Braarudosphaeraceae | 7657BH1690\_SP6 | JX291940.1 | 100% | No | Both | -- |
| **OTU 84** | 0.02% | Calcihaptophycidae | *Braarudosphaera* | *Braarudosphaera bigelowii*/aff. *Chrysochromulina parkeae*/aff. *Haptolina brevifilum* | AB478414.1 | 99.7% | Yes | Both | Yes |
| **OTU 86** | 0.01% | Calcihaptophycidae | Calcihaptophycidae | Ma125-Pry1-C22 | JX680380.1 | 99.7% | No | Only nano | -- |
| **OTU 87** | 0.01% | Calcihaptophycidae | Clade E | Biosope\_T33.008\_OLI51050 | FJ537311.1 | 99.7% | No | Only pico | -- |
| **OTU 94** | 0.01% | Calcihaptophycidae | Calcihaptophycidae | 7656BH889\_SP6 | JX291729.1 | 99.2% | No | Only nano | -- |
| **OTU 95** | 0.01% | Calcihaptophycidae | cf. *Chrysoculter* | TB1H05 | JF308273.1 | 98.9% | No | Only nano | -- |
| **OTU 108** | 0.01% | Calcihaptophycidae | Calcihaptophycidae | *Syracosphaera pulchra*/Ma130-Pry1-C40 | JX680341.1 | 97.9% | No | Only pico | -- |
| **OTU 109** | 0.01% | Calcihaptophycidae | *Isochrysis galbana* | *Isochrysis galbana* | AM490999.2 | 99.7% | Yes | Both | Yes |
| **OTU 110** | 0.01% | Calcihaptophycidae | Isochrysidales | wlb13-t2-otu6 | GU969080.1 | 98.7% | No | Both | -- |
| **OTU 113** | 0.004% | Calcihaptophycidae | Calcihaptophycidae | Q2G11N10 | EF172980.1 | 95.8% | No | Only pico | -- |
| **OTU 116** | 0.004% | Calcihaptophycidae | *Coccolithus pelagicus* ssp. *braarudi* | *Coccolithus pelagicus* ssp. *braarudi* | AJ544117.1 | 99.7% | Yes | Only nano | Yes |
| **OTU 117** | 0.004% | Calcihaptophycidae | Calcihaptophycidae | DH122-Pry1-C23 | JX680362.1 | 99.7% | No | Only nano | -- |
| **OTU 143** | 0.001% | Calcihaptophycidae | cf. Braarudosphaeraceae | hotxp4e7 | EU500068.1 | 97.3% | No | Both | -- |
| **OTU 152** | 0.001% | Calcihaptophycidae | *Pleurochrysis* | *Pleurochrysis roscoffensis*/*P. gayraliae*/*P. carterae* | AM490974.2 | 98.9% | No | Only nano | -- |
| **OTU 155** | 0.001% | Calcihaptophycidae | *Calcidiscus leptoporus* | *Calcidiscus leptoporus* | AJ544116.1 | 99.7% | Yes | Both | ? |
| **OTU 156** | 0.0004% | Calcihaptophycidae | cf. Braarudosphaeraceae | aff. *Haptolina brevifilum* | AM490995.2 | 98.7% | No | Only nano | -- |
| **OTU 3** | 9.50% | Chrysochromulinaceae | *Chrysochromulina simplex* | *Chrysochromulina* cf. *simplex*/Ma135-Pry1-C55 | JX680441.1 | 99.7% | Yes | Both | Yes |
| **OTU 5** | 7.10% | Chrysochromulinaceae | *Chrysochromulina campanulifera*/*C. cymbium*/ *C. strobilus* | Ma135-Pry1-C24 | JX680404.1 | 99.5% | No | Both | -- |
| **OTU 10** | 3.40% | Chrysochromulinaceae | *Chrysochromulina campanulifera*/*C. cymbium*/ *C. strobilus* | *Chrysochromulina campanulifera*/*C. cymbium*/*C. strobilus* | FN599060.1 | 99.7% | Yes | Both | Yes |
| **OTU 11** | 2.90% | Chrysochromulinaceae | *Chrysochromulina acantha* | *Chrysochromulina acantha* (2 mismatches with *C. throndsenii*) | FN599059.1 | 99.7% | Yes | Both | Yes |
| **OTU 14** | 1.90% | Chrysochromulinaceae | Chrysochromulinaceae | DH125-Pry1-C10 | JX680365.1 | 99.7% | No | Both | -- |
| **OTU 16** | 1.50% | Chrysochromulinaceae | Chrysochromulinaceae | FS04GA79\_01Aug05\_5m | HM581565.1 | 99.7% | No | Both | -- |
| **OTU 18** | 1.30% | Chrysochromulinaceae | Chrysochromulinaceae | 7656BH1019\_SP6 | JX291689.1 | 100% | No | Both | -- |
| **OTU 20** | 0.84% | Chrysochromulinaceae | *Chrysochromulina* | hotxp4f1 | EU500066.1b | 98.4% | No | Both | -- |
| **OTU 21** | 0.73% | Chrysochromulinaceae | *Chrysochromulina* | Ma135-Pry1-C16 | JX680400.1 | 99.5% | No | Both | -- |
| **OTU 25** | 0.63% | Chrysochromulinaceae | Chrysochromulinaceae | SHAX774 | HQ868546.1 | 99.7% | No | Both | -- |
| **OTU 27** | 0.47% | Chrysochromulinaceae | *Chrysochromulina* | FS04GA94\_01Aug05\_5m | HM581566.1 | 99.2% | No | Both | -- |
| **OTU 28** | 0.46% | Chrysochromulinaceae | *Chrysochromulina* | *Chrysochromulina* sp. NIES 1333/ clone\_RA080215N.018 | FJ431487.1 | 100% | Yes | Both | -- |
| **OTU 33** | 0.34% | Chrysochromulinaceae | *Chrysochromulina scutellum* | *Chrysochromulina scutellum* | JX680401.1 | 99.2% | Yes | Both | Yes |
| **OTU 36** | 0.28% | Chrysochromulinaceae | *Chrysochromulina* | Ma135-Pry1-C34 | JX680407.1 | 100% | No | Both | -- |
| **OTU 38** | 0.25% | Chrysochromulinaceae | *Chrysochromulina* | EN351CTD032\_07Apr01\_15m | HM581625.1 | 99.5% | No | Both | -- |
| **OTU 49** | 0.14% | Chrysochromulinaceae | *Chrysochromulina* | *Chrysochromulina leadbeateri* | AM491017.2 | 99.7% | Yes | Both | Yes |
| **OTU 54** | 0.13% | Chrysochromulinaceae | *Chrysochromulina* | *Chrysochromulina* cf. *simplex*/Ma135-Pry1-C55 | JX680441.1 | 99.2% | No | Only nano |  |
| **OTU 57** | 0.11% | Chrysochromulinaceae | *Chrysochromulina rotalis* | *Chrysochromulina rotalis* | AM491025.2 | 99.7% | Yes | Only pico | Yes |
| **OTU 59** | 0.10% | Chrysochromulinaceae | *Chrysochromulina* | CN207St155\_8Ae05E\_07Oct07\_10m | HM581635.1 | 98.7% | No | Both | -- |
| **OTU 66** | 0.06% | Chrysochromulinaceae | *Chrysochromulina* | 7656BH1019\_SP6 | JX291689.1 | 96.8% | No | Both | -- |
| **OTU 67** | 0.06% | Chrysochromulinaceae | *Chrysochromulina* | DH125-Pry1-C10 | JX680365.1 | 97.3% | No | Only nano | -- |
| **OTU 68** | 0.05% | Chrysochromulinaceae | *Chrysochromulina* | MO010\_20.00364 | GQ382709.1 | 98.7% | No | Only pico | -- |
| **OTU 70** | 0.04% | Chrysochromulinaceae | *Chrysochromulina* | Ma125-Pry1-C61 | JX680419.1 | 98.9% | No | Both | -- |
| **OTU 72** | 0.04% | Chrysochromulinaceae | *Chrysochromulina* | SHAX774 | HQ868546.1 | 97.9% | No | Both | -- |
| **OTU 73** | 0.04% | Chrysochromulinaceae | *Chrysochromulina* | SHZX708 | HQ870286.1 | 99.5% | No | Both | -- |
| **OTU 77** | 0.03% | Chrysochromulinaceae | *Chrysochromulina* | RA071004N.038 | FJ431406.1 | 99.7% | No | Both | -- |
| **OTU 78** | 0.03% | Chrysochromulinaceae | *Chrysochromulina* | FS04GA78\_01Aug05\_5m | HM581564.1 | 100% | No | Only nano | -- |
| **OTU 90** | 0.01% | Chrysochromulinaceae | *Chrysochromulina* | Ma130-Pry1-C18 | JX680384.1 | 99.7% | No | Only pico | -- |
| **OTU 93** | 0.01% | Chrysochromulinaceae | *Chrysochromulina* | AP10-W03 | GU370008.1 | 96.8% | No | Only nano | -- |
| **OTU 98** | 0.01% | Chrysochromulinaceae | *Chrysochromulina* | SHAX774 | HQ868546.1 | 98.7% | No | Only pico | -- |
| **OTU 100** | 0.01% | Chrysochromulinaceae | *Chrysochromulina* | SHZX708 | HQ870286.1 | 99.2% | No | Only pico | -- |
| **OTU 106** | 0.01% | Chrysochromulinaceae | *Chrysochromulina* | RA071004N.002 | FJ431454.1 | 98.1% | No | Both | -- |
| **OTU 114** | 0.004% | Chrysochromulinaceae | *Chrysochromulina* | RA071004N.002 | FJ431454.1 | 100% | No | Only pico | -- |
| **OTU 122** | 0.002% | Chrysochromulinaceae | *Chrysochromulina parva* | *Chrysochromulina parva*/BG6-Pry1-C1 | JX680359.1 | 100% | Yes | Both | No |
| **OTU 130** | 0.001% | Chrysochromulinaceae | *Chrysochromulina* | 7657BH1639\_SP6 | JX291889.1 | 96.5% | No | Only nano | -- |
| **OTU 139** | 0.001% | Chrysochromulinaceae | *Chrysochromulina* | 7656BH1019\_SP6 | JX291689.1 | 98.1% | No | Only nano | -- |
| **OTU 145** | 0.001% | Chrysochromulinaceae | *Chrysochromulina* | MALINA\_st320\_3m\_Nano\_ES069\_C7 | JF698782.1 | 100% | No | Both | -- |
| **OTU 147** | 0.001% | Chrysochromulinaceae | *Chrysochromulina* | *Chrysochromulina* sp. isolate Vil64 | JX661041.1 | 97.6% | No | Only nano | -- |
| **OTU 148** | 0.001% | Chrysochromulinaceae | *Chrysochromulina* | EN351CTD032\_07Apr01\_15m | HM581625.1 | 94.4% | No | Only pico | -- |
| **OTU 153** | 0.001% | Chrysochromulinaceae | *Chrysochromulina* | *Chrysochromulina scutellum*/ Ma135Pry1-C2 | JX680401.1 | 96.3% | No | Both | -- |
| **OTU 23** | 0.67% | Clade D | Clade D | Ma135-Pry1-C7 | JX680409.1 | 99.7% | No | Both | -- |
| **OTU 30** | 0.42% | HAP-3 | HAP-3 | SHAX445 | HQ868955.1 | 99.7% | No | Both | -- |
| **OTU 61** | 0.08% | HAP-3 | HAP-3 | Ma135-Pav3-C16 | JX680347.1 | 99.7% | No | Both | -- |
| **OTU 127** | 0.002% | HAP-3 | HAP-3 | SHAX445 | HQ868955.1 | 97.3% | No | Only nano | -- |
| **OTU 137** | 0.001% | HAP-3 | HAP-3 | SHAX445 | HQ868955.1 | 98.1% | No | Only pico | -- |
| **OTU 91** | 0.01% | HAP-4 | HAP-4 | SHBF653 | HQ869677.1 | 98.9% | No | Only pico | -- |
| **OTU 101** | 0.01% | HAP-4 | HAP-4 | hotxp1f3 | EU500064.1 | 96.8% | No | Both | -- |
| **OTU 119** | 0.004% | HAP-4 | HAP-4 | ENVP366.00164/ 05M100n.14 | DQ918951.1 | 99.2% | No | Both | -- |
| **OTU 134** | 0.001% | HAP-4 | HAP-4 | ENVP366.00164 | DQ918951.1 | 95.9% | No | Only nano | -- |
| **OTU 140** | 0.001% | HAP-4 | HAP-4 | AA5F15RM1D01 | GU825177.1 | 98.7% | No | Both | -- |
| **OTU 150** | 0.001% | HAP-4 | HAP-4 | ENVP366.00164 | DQ918951.1 | 98.6% | No | Only pico | -- |
| **OTU 15** | 1.60% | HAP-5 | HAP-5 | SHAC596 | HQ867320.1 | 99.2% | No | Both | -- |
| **OTU 55** | 0.12% | HAP-5 | HAP-5 | FS01AA17\_01Aug05\_5m | HM581532.1 | 97.4% | No | Both |  |
| **OTU 121** | 0.003% | HAP-5 | HAP-5 | FS01AA17\_01Aug05\_5m | HM581532.1 | 95% | No | Only pico | -- |
| **OTU 107** | 0.01% | Haptophyta sp. (HAP-4 or HAP-5) | Haptophyta sp. (HAP-4 or HAP-5) | FS01AA17\_01Aug05\_5m | HM581532.1 | 92.6% | No | Only nano | -- |
| **OTU 46** | 0.14% | Pavlovales | *Diacronema* | *Diacronema ennorea* | JF714242.1 | 97.6% | No | Only nano | -- |
| **OTU 105** | 0.01% | Pavlovales | cf. *Diacronema* | *Diacronema ennorea* | JF714242.1 | 95.7% | No | Only nano | -- |
| **OTU 136** | 0.001% | Pavlovales | cf. *Diacronema* | EV10-Pav3-C1 | JX680423.1 | 100% | No | Only nano | -- |
| **OTU 154** | 0.001% | Pavlovales | cf. *Diacronema* | *Diacronema ennorea* | JF714242.1 | 94.7% | No | Only nano | -- |
| **OTU 2** | 11.60% | Phaeocystales | *Phaeocystis cordata* | *Phaeocystis cordata* | JX660992.1 | 100% | Yes | Both | No |
| **OTU 7** | 5.00% | Phaeocystales | *Phaeocystis pouchetii* | *Phaeocystis pouchetii* | AF182114.1 | 100% | Yes | Both | Yes |
| **OTU 22** | 0.73% | Phaeocystales | *Phaeocystis globosa* | *Phaeocystis globosa*/Ma135-Pry1-C26 | JX680405.1 | 99.7% | Yes | Both | Yes |
| **OTU 41** | 0.19% | Phaeocystales | *Phaeocystis* | 7656BH930\_SP6 | JX291765.1 | 99.5% | No | Both | -- |
| **OTU 43** | 0.18% | Phaeocystales | *Phaeocystis* | dhot1c9 | EU500063.1 | 99.2% | No | Both | -- |
| **OTU 44** | 0.18% | Phaeocystales | *Phaeocystis* | DH125-Pry1-C38 | JX680435.1 | 99.2% | No | Both | -- |
| **OTU 45** | 0.16% | Phaeocystales | *Phaeocystis* | *Phaeocystis* sp. PCC559 | JX660995.1 | 100% | Yes | Both | -- |
| **OTU 74** | 0.03% | Phaeocystales | *Phaeocystis* | *Phaeocystis cordata* | JX660992.1 | 98.1% | No | Only nano | -- |
| **OTU 76** | 0.03% | Phaeocystales | *Phaeocystis* | AMT15\_15\_10m\_412 | GQ863817.1 | 100% | No | Both | -- |
| **OTU 103** | 0.01% | Phaeocystales | *Phaeocystis* | hotp3d1 | EF695225.1 | 98.1% | No | Both | -- |
| **OTU 111** | 0.01% | Phaeocystales | *Phaeocystis* | 7656BH930\_SP6 | JX291765.1 | 98.9% | No | Only nano | -- |
| **OTU 115** | 0.004% | Phaeocystales | *Phaeocystis* | hotp3d1 | EF695225.1 | 99.5% | No | Only nano | -- |
| **OTU 126** | 0.002% | Phaeocystales | *Phaeocystis* | hotp3d1 | EF695225.1 | 99.2% | No | Only nano | -- |
| **OTU 128** | 0.002% | Phaeocystales | *Phaeocystis* | 7656BH930\_SP6 | JX291765.1 | 97.1% | No | Only nano | -- |
| **OTU 132** | 0.001% | Phaeocystales | *Phaeocystis* | dhot1c9 | EU500063.1 | 98.4% | No | Only nano | -- |
| **OTU 6** | 6.40% | Prymnesiaceae | *Haptolina ericina*/*H. fragaria*/ *H*. cf. *herdlensis*/*H. hirta* | *Haptolina ericina*/*H. fragaria*/*H*. cf. *herdlensis*/*H. hirta* | AM491013.2 | 99.5% | Yes | Both | Yes |
| **OTU 8** | 4.00% | Prymnesiaceae | *Imantonia* | *Imantonia* sp. strain RCC 2298 | JN934681.1 | 99.5% | Yes | Both | -- |
| **OTU 17** | 1.30% | Prymnesiaceae | *Prymnesium polylepis* | *Prymnesium polylepis*/Ma135-Pry1-C41 | FN551248.1 | 99.7% | Yes | Both | Yes |
| **OTU 19** | 1.00% | Prymnesiaceae | *Prymnesium kappa* | *Prymnesium kappa*/SGSA635 | HQ865286.1 | 99.7% | Yes | Both | Yes |
| **OTU 34** | 0.32% | Prymnesiaceae | Prymnesiaceae | SGTB572 | HQ867036.1 | 98.7% | No | Both | -- |
| **OTU 37** | 0.26% | Prymnesiaceae | Prymnesiaceae | 7656BH899\_SP6 | JX291738.1 | 99.7% | No | Both | -- |
| **OTU 39** | 0.22% | Prymnesiaceae | *Haptolina* | *Haptolina fragaria*/Ma101-Pry1-C7 | JX680377.1 | 98.4% | No | Both | -- |
| **OTU 42** | 0.19% | Prymnesiaceae | Prymnesiaceae | 7656BH994\_SP6 | JX291802.1 | 97.9% | No | Both | -- |
| **OTU 50** | 0.13% | Prymnesiaceae | *Haptolina* | *Haptolina fragaria*/Ma101-Pry1-C7 | JX680377.1 | 98.7% | No | Both | -- |
| **OTU 51** | 0.13% | Prymnesiaceae | Prymnesiaceae | EMD\_2B06 | JN693133.1 | 99.7% | No | Both | -- |
| **OTU 56** | 0.12% | Prymnesiaceae | *Pseudohaptolina* | *Pseudohaptolina arctica* | AM491016.2 | 98.9% | No | Both | -- |
| **OTU 69** | 0.04% | Prymnesiaceae | Prymnesiaceae | *Prymnesium polylepis*/Ma135-Pry1-C41 | JX680421.1 | 98.7% | No | Both | -- |
| **OTU 75** | 0.03% | Prymnesiaceae | Prymnesiaceae | Ma135-Pry1-C21 | JX680402.1 | 99.2% | No | Both | -- |
| **OTU 79** | 0.03% | Prymnesiaceae | Prymnesiaceae | EN351CTD038\_08Apr01\_4m | HM581627.1 | 98.1% | No | Both | -- |
| **OTU 80** | 0.02% | Prymnesiaceae | Prymnesiaceae | FS04G125\_01Aug05\_5m | HM581556.1 | 99.4% | No | Only nano | -- |
| **OTU 81** | 0.02% | Prymnesiaceae | *Chrysocampanula spinifera* | *Chrysocampanula spinifera* | AB601108.1 | 99.5% | Yes | Both | Yes |
| **OTU 83** | 0.02% | Prymnesiaceae | Prymnesiaceae | Ma125-Pry1-C57 | JX680340.1 | 98.4% | No | Both | -- |
| **OTU 85** | 0.02% | Prymnesiaceae | Prymnesiaceae | 7656BH899\_SP6 | JX291738.1 | 97.6% | No | Both | -- |
| **OTU 89** | 0.01% | Prymnesiaceae | Prymnesiaceae | OC413BATS\_O096\_75m | HM581609.1 | 99.2% | No | Both | -- |
| **OTU 96** | 0.01% | Prymnesiaceae | Prymnesiaceae | SSRPD92 | EF172993.1 | 96.8% | No | Both | -- |
| **OTU 99** | 0.01% | Prymnesiaceae | Prymnesiaceae | 7656BH994-SP6 | JX291802.1 | 97.9% | No | Both | -- |
| **OTU 112** | 0.01% | Prymnesiaceae | Prymnesiaceae | *Prymnesium polylepis*/Ma135-Pry1-C41 | JX680421.1 | 96.5% | No | Both | -- |
| **OTU 118** | 0.004% | Prymnesiaceae | Prymnesiaceae | *Prymnesium* aff. *polylepis* | AJ004868 | 98.1% | No | Both | -- |
| **OTU 123** | 0.002% | Prymnesiaceae | Prymnesiaceae | *Imantonia* sp. RCC 2298 | JN934681.1 | 96.3% | No | Both | -- |
| **OTU 124** | 0.002% | Prymnesiaceae | Prymnesiaceae | 7656BH994-SP6 | JX291802.1 | 97.9% | No | Only pico | -- |
| **OTU 131** | 0.001% | Prymnesiaceae | Prymnesiaceae | Ma101-Pry1-C24 | JX680373.1 | 97.1% | No | Only nano | -- |
| **OTU 133** | 0.001% | Prymnesiaceae | Prymnesiaceae | SSRPD92 | EF172993.1 | 97.4% | No | Only nano | -- |
| **OTU 138** | 0.001% | Prymnesiaceae | Prymnesiaceae | Ma101-Pry1-C24 | JX680373.1 | 97.3% | No | Only pico | -- |
| **OTU 142** | 0.001% | Prymnesiaceae | Prymnesiaceae | SGTB572 | HQ867036.1 | 98.7% | No | Only nano | -- |
| **OTU 144** | 0.001% | Prymnesiaceae | Prymnesiaceae | Ma125-Pry1-C20 | JX680379.1 | 95.2% | No | Only nano | -- |
| **OTU 151** | 0.001% | Prymnesiaceae | Prymnesiaceae | 7656BH899\_SP6 | JX291738.1 | 97.3% | No | Only nano | -- |
| **OTU 31** | 0.37% | Prymnesiales Clade B3 | Prymnesiales Clade B3 | SGPX503 | HQ864929.1 | 99.7% | No | Both | -- |
| **OTU 40** | 0.21% | Prymnesiales Clade B3 | Prymnesiales Clade B3 | SRA-database | [SRA:SRR847603.125187.2](http://www.ncbi.nlm.nih.gov/Traces/sra/sra.cgi?run=SRR847603.125187.2&RID=ASU10YA1015" \t "lnkASU10YA1015" \o "Show report for SRA:SRR847603.125187.2) | 99.7% | No | Both | -- |
| **OTU 64** | 0.07% | Prymnesiales Clade B3 | Prymnesiales Clade B3 | Ma135-Pry1-C22 | JX680412.1 | 99.7% | No | Both | -- |
| **OTU 88** | 0.01% | Prymnesiales Clade B3 | Prymnesiales Clade B3 | Ma135-Pry1-C54 | JX680422.1 | 100% | No | Only pico | -- |
| **OTU 92** | 0.01% | Prymnesiales Clade B3 | Prymnesiales Clade B3 | Finsevatn\_AOY0H | JX453461.1 | 99.5% | No | Only pico | -- |
| **OTU 102** | 0.01% | Prymnesiales Clade B3 | Prymnesiales Clade B3 | Ma135-Pry1-C49 | JX680440.1 | 96% | No | Both | -- |
| **OTU 104** | 0.01% | Prymnesiales Clade B3 | Prymnesiales Clade B3 | SHAX847 | HQ868612.1 | 99.7% | No | Both | -- |
| **OTU 24** | 0.66% | Prymnesiales Clade B4 | Prymnesiales Clade B4 | MO.011.5m.00022 | HM858457.1 | 99.7% | No | Both | -- |
| **OTU 26** | 0.55% | Prymnesiales Clade B4 | Prymnesiales Clade B4 | dhot2d7 | EU499961.1 | 98.4% | No | Both | -- |
| **OTU 32** | 0.35% | Prymnesiales Clade B4 | Prymnesiales Clade B4 | dhot2d7 | EU499961.1 | 99.5% | No | Both | -- |
| **OTU 35** | 0.28% | Prymnesiales Clade B4 | Prymnesiales Clade B4 | FS14SK029\_31July05\_5m | HM581580.1 | 99.7% | No | Both | -- |
| **OTU 58** | 0.11% | Prymnesiales Clade B4 | Prymnesiales Clade B4 | dhot2d7 | EU499961.1 | 98.1% | No | Both | -- |
| **OTU 82** | 0.02% | Prymnesiales Clade B4 | Prymnesiales Clade B4 | dhot2d7 | EU499961.1 | 97.9% | No | Only nano | -- |
| **OTU 97** | 0.01% | Prymnesiales Clade B4 | Prymnesiales Clade B4 | FS14SK029\_31July05\_5m | HM581580.1 | 98% | No | Both | -- |
| **OTU 125** | 0.002% | Prymnesiales Clade B4 | Prymnesiales Clade B4 | *Syracosphaera pulchra*/Ma125-Pry1-C18 | JX680437.1 | 96.5% | No | Only pico | -- |
| **OTU 129** | 0.002% | Prymnesiales Clade B4 | Prymnesiales Clade B4 | dhot2d7 | EU499961.1 | 98.1% | No | Only nano | -- |
| **OTU 135** | 0.001% | Prymnesiales Clade B4 | Prymnesiales Clade B4 | AMT15\_1\_10m\_1 | GQ863798.1 | 96.5% | No | Both | -- |
| **OTU 141** | 0.001% | Prymnesiales Clade B4 | Prymnesiales Clade B4 | SRA-database | SRA:SRR847603.109414.2 | 99.5% | No | Only pico | -- |
| **OTU 146** | 0.001% | Prymnesiales Clade B4 | Prymnesiales Clade B4 | DH122-Pry1-C6 | JX680416.1 | 95.5% | No | Only nano | -- |
| **OTU 149** | 0.001% | Prymnesiales Clade B4 | Prymnesiales Clade B4 | AMT15\_1\_10m\_1 | GQ863798.1 | 95.5% | No | Both | -- |
| **OTU 60** | 0.08% | Prymnesiophyceae sp. | Prymnesiophyceae sp. | 3b-H6 | FN690514.1 | 97.1% | No | Both | -- |
| **OTU 120** | 0.003% | Prymnesiophyceae sp. | Prymnesiophyceae sp. | *Helicosphaera carteri* | AM490983.2 | 96.3% | No | Both | -- |

a The raw .sff-files have been deposited in the Sequence Read Archive (SRA) with accession number: PRJEB5541 (http://www.ebi.ac.uk/ena/data/view/PRJEB5541).

b Flagged as chimeric in the Protist Ribosomal Reference database (http://ssu-rrna.org/), and therefore not included in the phylogeny.