Fig. S2

Navicula phyllepta isolate C15 (NCBI (FJ002222.1)
Naviculaceae X sp. (PhytoRef) (7555*JF344318)
Navicula sp. C20 (NCBI) (FJ002226.1)
Planoglabratella opercularis isolate GO86327 (NCBI) (KP792485.1)
Navicula sp. C20 (NCBI) (FJ002226.1)
Planoglabratella opercularis isolate GO86327 (NCBI) (KP792485.1)
Planoglabratella opercularis isolate GO86330 (NCBI) (KP792486.1)
Cymbellaceae X sp. (PhytoRef) (6895*JQ923818)
Cymbellaceae X sp. (PhytoRef) (7489*JF344036)
Cymbellaceae X sp. (PhytoRef) (6780*JQ580341)
OTU 148
Cymbellaceae sp.2
Pinnularia sp. U strain (NCBI) (KT952293.1)
Pennate diatom sp. CCAP 1008/1 (NCBI) (FJ002185.1)
Pennate diatom sp. CCAP 1008/1 (NCBI) (FJ002185.1)
Cymbella fuegensis (PhytoRef) (5128*JF277126)
Pennate diatom (PhytoRef) (5055*FJ002185)
Cymbellaceae X sp. (PhytoRef) (6400*AF523902)
Cymbella lacustris (PhytoRef) (5123*JF277144)
Cymbellaceae X sp. (PhytoRef) (6653*FN870206)
Enotia naegelii chloroplas (NCBI) (KF733443.1)
OTU 248
Cymbellaceae sp.3
OTU 46
Cymbellaceae sp.1
Amphiprora paludosa isolate C52 (NCBI nr) (FJ002240.1)
Cymbella heteropleura (PhytoRef) (5287*JF277136)
Cymbopleura hybrida (PhytoRef) (5147*JF277137)
Cymbellaceae X sp. (PhytoRef) (6855*GU119606)
Planoglabratella opercularis isolate GO m2032 (NCBI) (KP792471.1)
Planoglabratella opercularis isolate GO m1401 (NCBI (KP792459.1)
Cymbellaceae X sp. (PhytoRef) (7683*FJ425606)
Cymbellaceae X sp. (PhytoRef) (7565*FJ425619)
OTU 269
Naviculaceae sp.
Naviculaceae X sp. (PhytoRef) (7972*EU841053)
Pleurosigma intermedium (NCBI) (AF514848.1)
OTU 85
Gyrosigma fasciola
Gyrosigma fasciola (NCBI) (AF514847.1)
Gyrosigma fasciola (PhytoRef) (213*AF514847)
Gyrosigma
Haslea wawrikae (NCBI) (AF514855.1)
Haslea salstonica (NCBI) (AF514854.1)
Asterionellopsis glacialis (NCBI) (FJ002233.1)
Haslea nipkowii (NCBI) (AF514850.1)
Cymbella helvetica (PhytoRef) (3559*JF277127)
Haslea nipkowii (PhytoRef) (473*AF514850)
Kryptoperidinium foliaceum strain CCMP1326 chloroplast (NCBI) (GU591328.1)
Kryptoperidinium foliaceum chloroplast (NCBI) (NC 014267.1)
OTU 115
Kryptoperidinium foliaceum
Kryptoperidinium
Cymbella advena (PhytoRef) (4063*JF277099)
Dinotrichaceae X sp. Dinotrichales (PhytoRef) (6670*JF747973)
Dinotrichaceae X sp. Dinotrichales (PhytoRef) (7866*JQ814739)
Dinotrichaceae X sp. Dinotrichales (PhytoRef) (7002*JQ814747)
Durinskia baltica chloroplast (NCBI) (NC014287.1 GU591327.1)
Prasinoclade 7C X sp. (PhytoRef) (7172*AF454327)
OTU 2
Picocystis salinarum
Picocystis salinarum plastid (NCBI nr) (FN563078.1)
Picocystis salinarum chloroplast strain: CCMP1897 (NCBI nr) (AB491631.1
Picocystis salinarum (PhytoRef) (207*FN563078)
Picocystis salinarum (PhytoRef) (785*AB491631)
Picocystis salinarum
Chlorella mirabilis plastid DNA (NCBI) (X65100.1)
Chlorella mirabilis (PhytoRef) (5690*X65100)
Chlamydomonas reinhardtii (NCBI) (X03269.1)
0.020