Culturable diversity of Arctic phytoplankton during pack ice melting

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Supplementary material

Supplementary material is available on GitHub at https://github.com/vaulot/Paper-2019-Ribeiro-GE-cultures

Supplementary Data S1: File GE_cultures_Tables.xlsx. Sheet Data S1. Strains collected during GE campaign, including both Amundsen an Ice Camp samples: RCC and GenBank accession number, taxonomy, respective clusters, sampling substrate, depth and date, geographic coordinates and isolation method.

Supplementary Data S2: File GE_cultures_Tables.xlsx. Sheet Data S2. Best BLAST hit for representative 18S rRNA sequences from each phylotype against all GenBank sequences, PR^2 sequences and sequences from cultured strains.

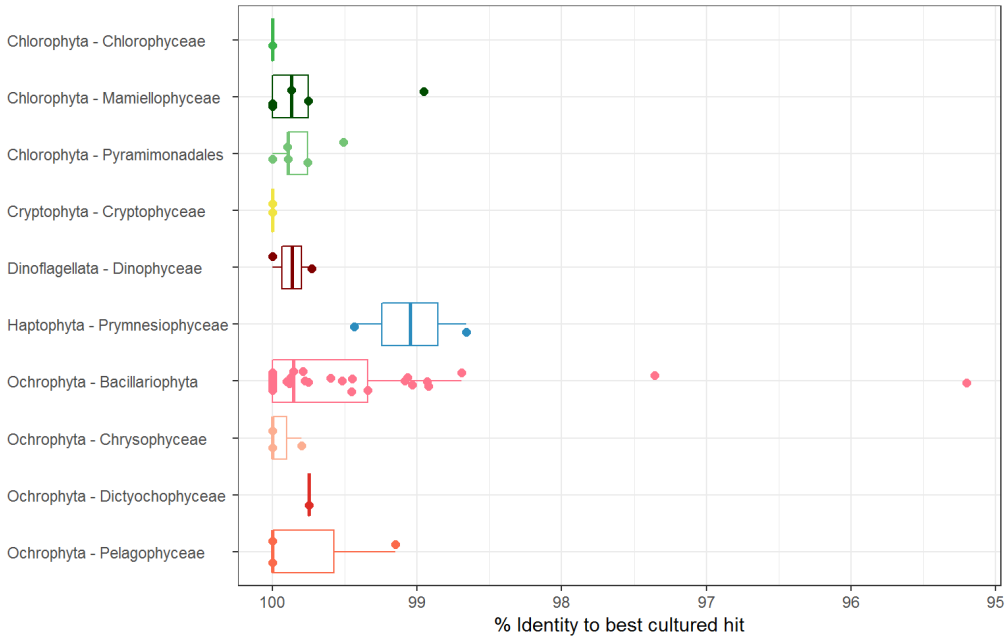

Figure S1. Novelty of phylotypes.

Percentage of similarity of phylotype representative 18S rRNA sequence to best BLAST hit from GenBank (see Supplementary Data S2).

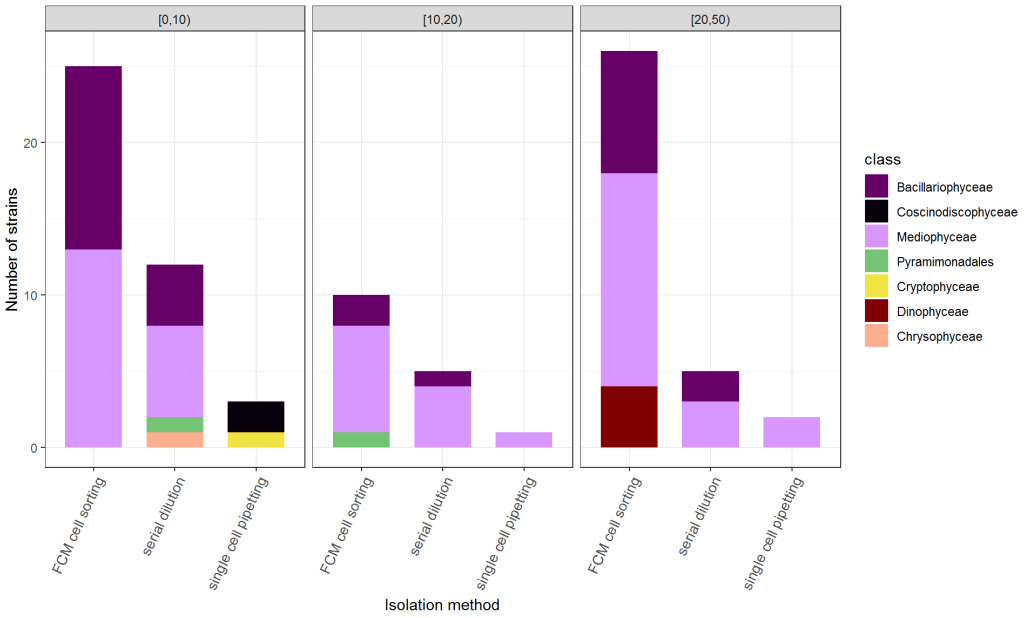

Figure S2. Strains from Amundsen cruise as a function of isolation method and depth.

Strain class distribution for the Amundsen cruise separated according to the method of isolation (cell sorting, serial dilution and single cell isolation) and sampling depth range.

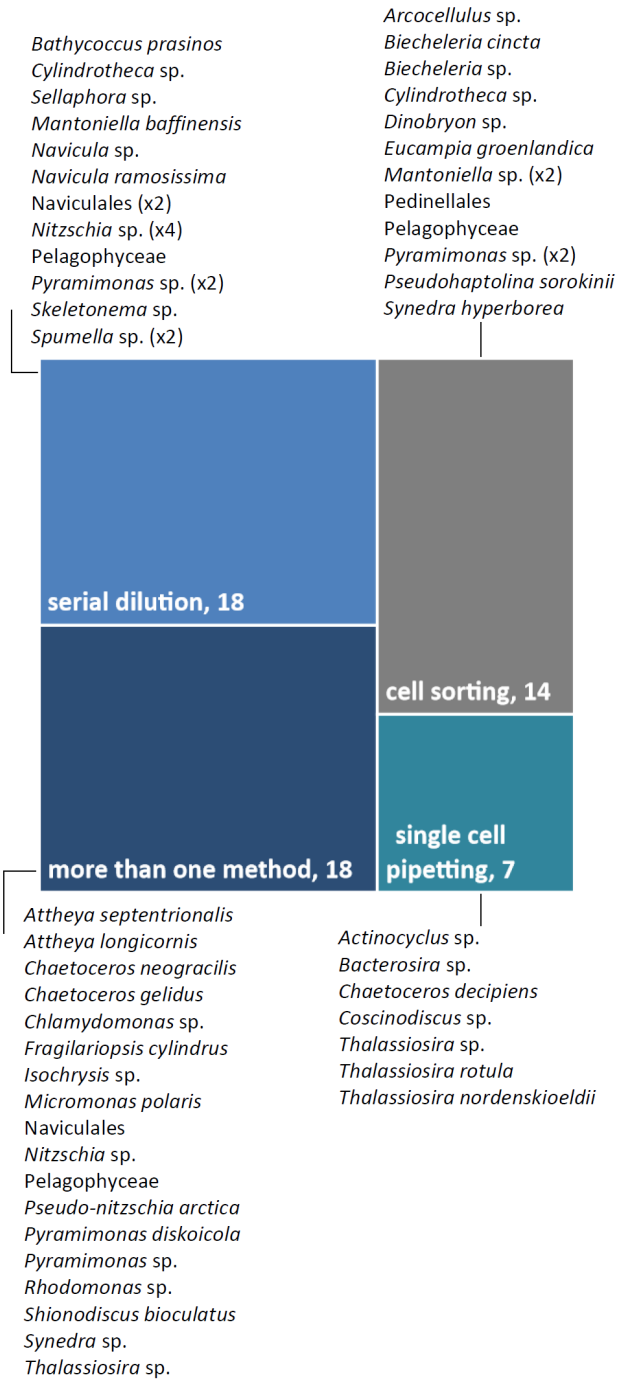

Figure S3. Phylotype as a function of isolation method.

Treemap of the number of strains isolated as function of the isolation method.

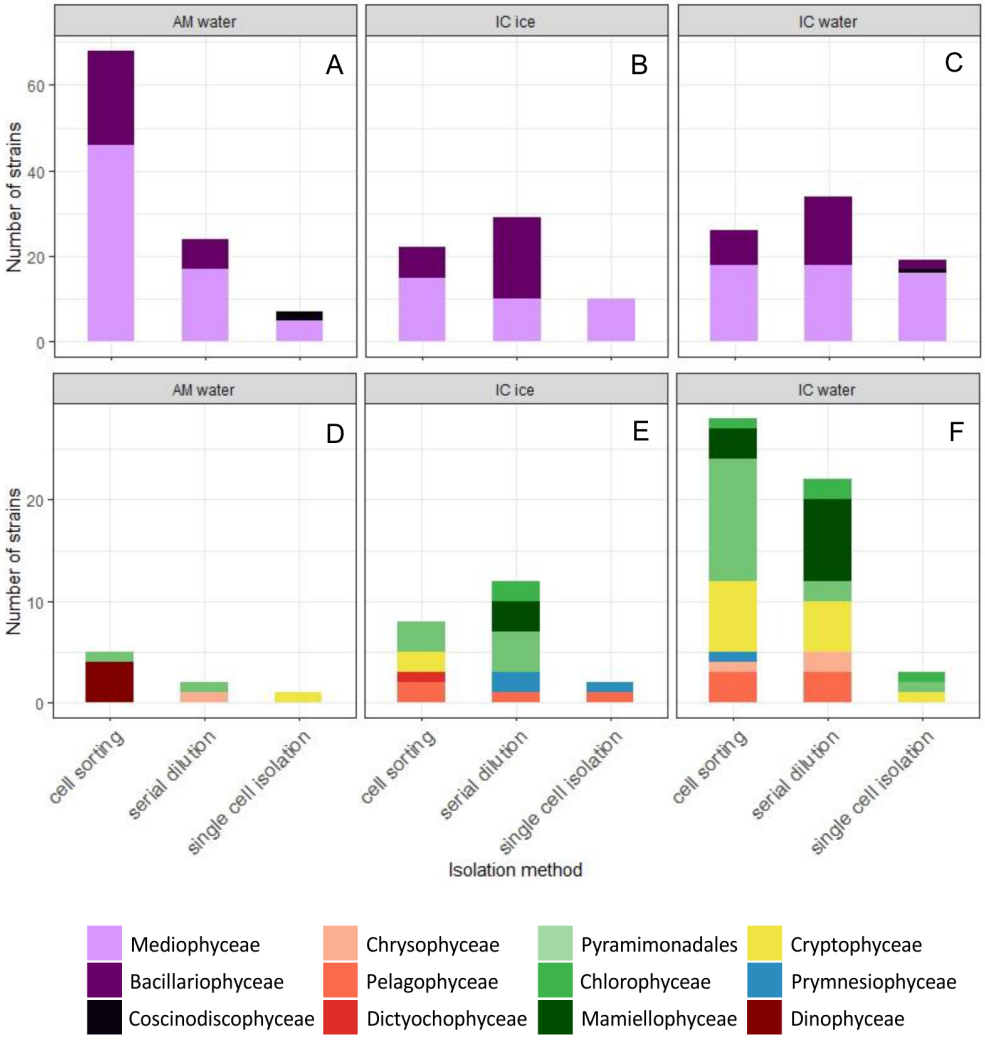

Figure S4. Strains as a function of isolation method and substrate.

Strains class distribution separated according to the method of isolation (cell sorting, serial dilution and single cell isolation) and sampling substrate: water samples from the Amundsen cruise, and water and ice samples from the Ice Camp for diatoms (top panels) and non-diatoms (bottom panels).