## Biogeographic Distribution Division Polar Chlorophyta Polar-Temperate Cryptophyta × Unallocated Haptophyta Stramenopiles ice water 0 0 Phaeocystis pouchetii c69e8e07e3 ■ Bacillariaceae X sp. ed4ae22e6f 43 35dd9ad32d ■ Bacillariaceae X sp. ec4282114f ▲ Micromonas polaris 27 ▲ Navicula sp. ▲ Pseudo-nitzschia sp. 15a3691ed4 b7ab8df4dc 23 38 ▲ Fragilariopsis cylindrus 6aa05b1319 Attheya septentrionalis 2044dfe072 ■ Pelagomonadales clade A1 sp. ■ Fragilaria sp. 58a35e6970d0f07245bd 0 5 X Cryptomonadales XX sp. 6224d893e7 ■ Thalassiosira antarctica 0e63043d86 38339c0b55 Ankylochrysis sp1 ■ Bacillariaceae X sp. 3db259488e 16 0 ▲ Pyramimonas gelidicola bda1e9880e-7bdf820b47 ■ Parmales env 2 X sp. 43 8 ec4282114f ▲ Micromonas polaris imes Thalassiosira sp. 3fb11d7983 12 ■ Bacillariaceae X sp. ▲ Baffinella frigidus 887e03c0a4 c699cb1809 10 f8124a0c4a ■ Baffinella frigidus b90e070e4e-▲ Chaetoceros sp. 12 0 ▲ Baffinella frigidus c699cb1809da093e6bd5 $\times$ Parmales env 2 X sp. ■ Thalassiosira nordenskioeldii 4de55affda imes Porosira sp. e4c749ac0b ■ Thalassiosira nordenskioeldii imes Navicula sp. e4c749ac0b 1569a5cec7 0 0 $\times$ Bacillariaceae X sp. e432b3a264 c69e8e07e3 ■ Bacillariaceae X sp. 13 0 38e353ec2a ▲ Hydrurales Clade–II X sp. ▲ Porosira glacialis d3d233a12c e854627298 Entomoneis sp. ■ Bacillariaceae X sp. 887e03c0a4 15a3691ed4 ▲ Navicula sp. 814086cfc6-■ Nitzschia sp. 43 0 6b2ce23d88 ■ Naviculales XX sp. 4ce1f6f873 Chaetoceros neogracilis 3 8 2976201d4c 8d52397222 Thalassiosira aestivalis ■ Navicula sp. 104.5 10<sup>5.5</sup> 10<sup>3.5</sup> 10<sup>3.5</sup> 10<sup>4.5</sup> 10<sup>5.5</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>6</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>4</sup> 10<sup>5</sup> $10^{3}$