

Supplementary file for: Wolf C., Kiliyas E. & Metfies K. 2015. Protists in the polar regions: comparing occurrence in the Arctic and Southern oceans using pyrosequencing. *Polar Research* 34. Correspondence: Christian Wolf, Department of Bioscience, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research, Am Handelshafen 12, DE-27570 Bremerhaven, Germany. E-mail: christian.wolf@awi.de.

Supplementary Table S2. Operational taxonomic units (OTUs) of the abundant biosphere ($\geq 1\%$). Relative contributions are presented in percent, while r represents occurrence in the rare biosphere and – is no occurrence at all. Data from Kiliyas et al. (2014).

	Station identification number							
	202	212	218	227	235	245	272	280
Chlorophytes								
<i>Micromonas</i> sp.1	37.1	16.9	1.6	7.2	14.2	12.4	39.5	10.7
<i>Micromonas</i> sp. 2	r	–	r	6.3	r	r	r	r
<i>Pyramimonas</i> sp.	–	–	–	2.5	r	r	r	r
Haptophytes								
<i>Phaeocystis</i> sp. 1	r	–	r	10.4	2.5	1.5	r	r
<i>Phaeocystis</i> sp. 2	3.3	r	8.5	2.9	12.4	1.15	2.0	3.9
<i>Chrysochromulina</i> sp.1	4.5	–	6.6	2.6	1.7	r	r	1.2
<i>Chrysochromulina</i> sp.2	–	–	–	r	–	r	22.4	6.0
Picobilliphytes								
Picobilliphyte 1	–	1.9	–	–	–	–	–	–
Picobilliphyte 2	–	1.1	–	r	r	r	–	r
Picobilliphyte 3	–	1.0	–	r	r	r	r	–
Stramenopiles								
Stramenopile 1	–	–	r	6.8	r	r	r	r
MAST I 1	–	r	r	r	r	1.9	r	r
MAST I 2	–	r	r	r	r	1.0	r	r
<i>Dictyocha</i> sp.	–	–	r	r	r	r	r	8.8
<i>Fragilariopsis</i> sp.	r	r	3.6	5.1	1.0	r	r	1.1
Dinoflagellates								
<i>Gymnodinium</i> sp. 1	4.3	3.5	5.1	2.8	1.5	r	1.7	2.4
<i>Gymnodinium</i> sp. 2	r	r	1.3	r	r	r	r	1.7
<i>Gymnodinium</i> sp. 3	–	r	1.3	r	1.0	r	r	–
<i>Woloszynskia</i> sp. 1	r	–	–	r	r	r	r	1.4
<i>Woloszynskia</i> sp. 2	1.1	r	–	r	–	–	–	r
Syndiniales 1	r	1.1	r	r	r	r	r	r
Syndiniales 2	28.0	42.1	34.4	24.4	21.3	9.9	7.0	17.4
Syndiniales 3	r	–	r	r	4.0	r	r	r
Syndiniales 4	–	r	r	r	r	10.3	–	r
Syndiniales 5	–	–	r	r	–	5.3	–	1.0
Syndiniales 6	–	–	r	–	1.3	r	–	r
Syndiniales 7	–	–	r	–	r	1.0	–	r
Syndiniales 8	–	–	–	–	r	1.8	–	r
Syndiniales 9	r	–	r	r	r	–	r	1.2
Ciliates								
<i>Strombidium</i> sp. 1	r	r	1.7	r	r	r	r	r

<i>Strombidium</i> sp. 2	–	–	–	r	r	r	1.4	–
Ciliate 1	–	r	1.6	r	r	r	r	r
Ciliate 2	1.3	–	r	r	r	r	r	r
Ciliate 3	r	–	r	r	r	r	r	1.3
Ciliate 4	–	–	–	r	–	r	1.2	–
Ciliate 5	–	–	r	r	r	2.0	–	1.9
undefined Eukaryote 1	–	–	r	2.5	–	r	–	–
undefined Eukaryote 2	–	r	r	r	2.2	3.0	–	r

Reference

Kilias E., Kattner G., Wolf C., Frickenhaus S. & Metfies K. 2014. A molecular survey of protist diversity through the central Arctic Ocean. *Polar Biology* 37, 1271-1287.