

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 S4. 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 Wolf et al. (2013).

	Station identification number						
	41	51	57	47	70	69	62
Haptophytes							
<i>Chrysochromulina</i> sp.	r	r	r	r	r	r	2.7
<i>Phaeocystis</i> sp. 1	7.5	13.6	7.1	11.6	21.0	1.5	26.7
<i>Phaeocystis</i> sp. 2	r	r	1.1	1.0	r	r	r
Chlorophytes							
<i>Micromonas</i> sp.	r	-	r	1.6	r	-	r
<i>Pyramimonas</i> sp.	r	r	r	1.7	r	r	3.7
Stramenopiles							
<i>Asteroplanus</i> sp.	r	1.5	1.1	6.1	r	r	r
<i>Chaetoceros</i> sp. 1	6.0	12.6	1.2	4.4	2.9	8.0	r
<i>Chaetoceros</i> sp. 2	r	r	1.1	1.4	r	r	-
<i>Chaetoceros</i> sp. 3	1.0	r	r	1.1	r	r	r
<i>Corethron</i> sp.	1.3	r	r	r	r	r	r
<i>Cylindrotheca</i> sp.	1.0	r	r	1.1	r	r	r
<i>Eucampia</i> sp.	8.4	2.5	21.8	9.8	20.9	23.6	2.1
<i>Pseudo-nitzschia</i> sp.	7.0	1.6	3.9	13.8	2.4	r	3.1
<i>Thalassiosira</i> sp.	1.3	r	r	1.3	r	r	r
<i>Pelagomonas</i> sp.	10.4	r	r	r	r	-	1.9
<i>Cafeteria</i> sp.	-	-	-	-	r	1.4	r
<i>Pirsonia</i> sp.	r	2.1	r	r	r	r	1.3
unc. labyrinthulid	r	r	r	r	4.8	1.9	1.0
unc. picoeukaryote	-	-	-	r	r	-	1.6
unc. stramenopile	r	r	1.1	1.3	r	r	r
unc. MAST Group 1	r	1.0	r	r	r	-	r
unc. MAST Group 3	r	r	1.0	r	1.1	r	1.2
Dinoflagellates							
unc. dinoflagellate 1	14.0	19.8	11.0	8.4	6.8	5.2	6.2
unc. dinoflagellate 2	2.1	1.3	1.2	r	r	r	r
unc. dinoflagellate 3	1.5	r	r	r	r	1.0	r
unc. dinoflagellate 4	r	1.0	r	-	-	-	-
unc. Syndiniales 1	r	r	r	1.0	r	r	r

unc. Syndiniales 2	r	2.0	3.9	r	1.4	2.0	2.7
unc. Syndiniales 3	1.3	r	r	r	r	r	r
unc. Syndiniales 4	r	r	r	r	r	1.0	r
Ciliates							
Pseudotontonia sp.	-	r	r	r	r	2.8	-
unc. ciliate 1	r	r	r	r	r	3.4	r
unc. ciliate 2	-	r	r	-	-	1.7	-
unc. ciliate 3	r	-	r	r	r	1.1	r

Reference

Wolf C., Frickenhaus S., Kiliyas E.S., Peeken I. & Metfies K. 2013. Regional variability in eukaryotic protist communities in the Amundsen Sea. *Antarctic Science* 25, 741-751.