

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 S3. 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. (2014).

	Station identification number					
	6	8	16	22	25	26
Haptophytes						
<i>Emiliania</i> sp.	3.4	1.7	5.7	-	-	-
<i>Phaeocystis</i> sp. 1	4.3	7.4	16.3	40.4	19.2	33.6
<i>Phaeocystis</i> sp. 2	-	-	r	2.4	4.5	5.6
unc. prymnesiophyte	1.2	1.6	r	-	-	-
Chlorophytes						
<i>Bathycoccus</i> sp.	r	1.1	r	-	-	-
unc. prasinophyte	4.5	r	r	-	-	-
Stramenopiles						
<i>Pelagomonas</i> sp.	-	r	1.3	-	r	r
unc. pelagophyte	r	r	1.7	-	-	r
<i>Actinocyclus</i> sp.	-	-	1.0	r	r	r
<i>Chaetoceros</i> sp. 1	r	r	r	r	5.1	2.5
<i>Chaetoceros</i> sp. 2	r	-	r	r	2.5	r
<i>Corethron</i> sp.	-	r	r	r	2.2	0.8
<i>Pseudo-nitzschia</i> sp.	r	r	5.6	7.4	5.1	1.8
<i>Thalassionema</i> sp.	-	r	-	r	1.0	1.5
<i>Thalassiosira</i> sp.	r	r	1.4	r	1.1	r
unc. labyrinthulid 1	2.5	r	r	r	r	r
unc. labyrinthulid 2	1.2	2.6	r	r	r	r
unc. labyrinthulid 3	r	4.4	r	r	r	r
unc. labyrinthulid 4	r	3.8	r	r	r	r
unc. labyrinthulid 5	r	4.3	r	r	r	r
unc. stramenopile	-	-	1.3	r	1.0	r
Dinoflagellates						
<i>Haplozoon</i> sp.	2.2	r	-	r	r	r
<i>Neoceratium</i> sp.	1.2	r	r	-	-	-
<i>Perkinsus</i> sp.	3.6	9.9	3.6	r	r	r
<i>Protoperidinium</i> sp.	r	-	r	r	1.3	r
unc. dinoflagellate 1	23.5	7.8	7.9	18.4	10.7	22.8
unc. dinoflagellate 2	4.8	2.3	2.8	3.3	3.7	3.2
unc. dinoflagellate 3	2.9	r	r	r	r	r

unc. dinoflagellate 4	1.7	r	r	r	r	-
unc. dinoflagellate 5	1.7	-	r	-	-	-
unc. dinoflagellate 6	1.4	2.1	2.8	1.1	1.2	r
unc. dinoflagellate 7	1.2	r	r	r	r	r
unc. Syndiniales 1	r	1.4	7.2	-	-	-
unc. Syndiniales 2	r	1.3	1.2	-	-	-
Ciliates						
unc. Ciliophora 1	-	r	-	1.3	2.4	2.6
Other eukaryotes						
unc. Telonemia	r	r	2.0	r	r	r

Reference

Wolf C., Frickenhaus S., Kiliyas E.S., Peeken I. & Metfies K. 2014. Protist community composition in the Pacific sector of the Southern Ocean during austral summer 2010. *Polar Biology* 37, 375-389.