

Supplementary file for: Møller A.K., Søborg D.A., Abu Al-Soud W., Sørensen S.J. & Kroer N. 2013. Bacterial community structure in High-Arctic snow and freshwater as revealed by pyrosequencing of 16S rRNA genes and cultivation. *Polar Research* 32. Correspondence: Niels Kroer, Department of Environmental Science, Aarhus University, Frederiksborgvej 399, DK-4000 Roskilde, Denmark. E-mail: nk@dmu.dk.

Supplementary Table S4. Distribution of phylotypes of isolated bacteria. The first number in the columns represents data from pre-incubating the cells on filters, while the second number represents data from direct plating.

Phylum Order/family/genus		% of phylum			
		Freshwater	Snow: bottom	Snow: middle	Snow: top
<i>Proteobacteria</i>					
<i>Alpha</i>	<i>Sphingomonas</i>	1.3 - 0	1.2 - 0	21.1 - 0	47.8 - nd ^a
<i>Alpha</i>	Unclass. <i>Sphingomonadaceae</i>	0 - 0	0 - 0	0 - 3.3	0 - nd
<i>Beta</i>	<i>Herminiimonas</i>	3.5 - 0	0 - 0	0 - 0	0 - nd
<i>Beta</i>	<i>Janthinobacter</i>	4.4 - 56.4	1.2 - 18.3	0 - 3.3	0 - nd
<i>Beta</i>	<i>Variovorax</i>	1.3 - 0	0 - 0	0 - 0	0 - nd
<i>Beta</i>	Unclass. <i>Oxalobacteriaceae</i>	0 - 0	5.9 - 0	0.8 - 0	0 - nd
<i>Beta</i>	<i>Duganella</i>	0 - 0	1.2 - 0	0.8 - 0	10.9 - nd
<i>Beta</i>	Unclass. <i>Bradyrhizobiaceae</i>	0 - 0	0 - 0	6.3 - 0	34.8 - nd
<i>Beta</i>	<i>Massilia</i>	0 - 0	0 - 0	0.8 - 0	0 - nd
<i>Beta</i>	Unclass. <i>Burkholderiaceae</i>	0 - 0	0 - 0	0 - 0	2.2 - nd
<i>Beta</i>	Unclass. <i>Burkholderiales</i>	0 - 0	0 - 0	0 - 0	2.2 - nd
<i>Gamma</i>	<i>Pseudomonas</i>	88.9 - 40.0	90.6 - 66.2	69.5 - 6.7	0 - nd
<i>Gamma</i>	<i>Psychrobacter</i>	0 - 3.6	0 - 12.7	0 - 3.3	2.2 - nd
<i>Gamma</i>	Unclass. <i>Pseudomonadaceae</i>	0.4 - 0	0 - 0	0 - 0	0 - nd
<i>Actinobacteria</i>					
<i>Actino</i>	<i>Salinibacter</i>	0 - 0	0 - 0	88.9 - 0	0 - nd
<i>Actino</i>	<i>Kineococcus</i>	0 - 0	0 - 0	11.1 - 71.0	0 - nd
<i>Actino</i>	<i>Rhodococcus</i>	0 - 0	0 - 0	0 - 0	100 - nd
<i>Actino</i>	<i>Arthrobacter</i>	0 - 0	0 - 100	0 - 29.0	0 - nd
<i>Actino</i>	Unclass. <i>Micrococcaceae</i>	0 - 66.7	0 - 0	0 - 0	0 - nd
<i>Actino</i>	Unclass. <i>Microbacteriaceae</i>	0 - 33.3	0 - 0	0 - 0	0 - nd
<i>Bacteroidetes</i>					
<i>Flavo</i>	<i>Flavobacterium</i>	91.7 - 0	0 - 0	0 - 0	0 - nd

<i>Sphingo</i>	<i>Dyadobacter</i>	4.2 - 0	0 - 100	0 - 0	0 - nd
<i>Sphingo</i>	<i>Mucilaginibacter</i>	0 - 0	0 - 0	100 - 100	100 - nd
<i>Sphingo</i>	<i>Pedobacter</i>	4.2 - 0	0 - 0	0 - 0	0 - nd
<i>Firmicutes</i>					
<i>Bacilli</i>	<i>Bacillus</i>	100 - 0	0 - 0	0 - 0	0 - nd

^a nd means no data available.