

Table S9. Ribosomal RNA gene sequences less than 200 nt in length (could not be submitted to NCBI) from V6. ["n" indicates information not specified in the NCBI GenBank database.]

Contig ID	Q length	Q start	Q end	e-value	%-ident	%-sim	GI number	Domain	Phyum	Class	Genus / Species	Description
VostokV6_rep_c226	179	1	179	1E-85	99%	99%	262063838	Bacteria	Actinobacteria	Actinobacteria	uncultured Frankineae bacterium	Uncultured Frankineae bacterium clone PE19_42 16S ribosomal RNA gene, partial sequence
VostokV6_s130	192	1	124	1E-55	99%	99%	268032028	Bacteria	Actinobacteria	Actinobacteria	<i>Micrococcus</i> sp. M-B-1	<i>Micrococcus</i> sp. M-B-1 16S ribosomal RNA gene, partial sequence
VostokV6_rep_c96	197	1	156	1E-60	94%	94%	95117795	Bacteria	Actinobacteria	Actinobacteria	<i>Clavibacter michiganensis</i>	<i>Clavibacter michiganensis</i> subsp. <i>tessellarius</i> 23S ribosomal RNA gene, partial sequence
VostokV6_s134	134	1	134	1E-59	99%	99%	196174919	Bacteria	Actinobacteria	Actinobacteria	<i>Mycobacterium marinum</i>	<i>Mycobacterium marinum</i> strain R106 23S ribosomal RNA gene, partial sequence
VostokV6_s244	108	1	108	5E-47	99%	99%	290794322	Bacteria	Chloroflexi	n	uncultured Chloroflexi bacterium	Uncultured Chloroflexi bacterium clone 34(jc03 16S ribosomal RNA gene, partial sequence
VostokV6_rep_c194	175	1	175	1E-85	100%	100%	9187671	Bacteria	n	n	uncultured rape rhizosphere	Uncultured rape rhizosphere bacterium wr0033 partial 16S rRNA gene
VostokV6_rep_c199	200	23	200	8E-68	94%	94%	119352337	Bacteria	n	n	uncultured bacterium	Uncultured bacterium clone R383 16S ribosomal RNA gene, partial sequence
VostokV6_rep_c274	203	1	203	6E-59	85%	85%	28848718	Bacteria	n	n	uncultured bacterium	Uncultured bacterium clone S8B 16S ribosomal RNA gene, partial sequence
VostokV6_s184	137	1	137	1E-64	100%	100%	126402247	Bacteria	n	n	uncultured bacterium	Uncultured bacterium clone PLA_021 16S ribosomal RNA gene, partial sequence
VostokV6_s243	78	1	78	3E-32	100%	100%	295687301	Bacteria	n	n	uncultured bacterium	Uncultured bacterium clone 3351 16S ribosomal RNA gene, partial sequence
VostokV6_s265	188	1	188	3E-86	98%	98%	217416971	Bacteria	n	n	uncultured bacterium	Uncultured bacterium clone A_D_01_47 16S ribosomal RNA gene, partial sequence
VostokV6_rep_c157	210	1	210	1E-96	97%	97%	291260192	Bacteria	n	n	uncultured bacterium	Uncultured bacterium clone F5K204C04H4RWE 23S ribosomal RNA gene, partial sequence
VostokV6_rep_c293	195	1	195	9E-92	98%	98%	291261679	Bacteria	n	n	uncultured bacterium	Uncultured bacterium clone F5K204C04I9D9T 23S ribosomal RNA gene, partial sequence
VostokV6_s95	99	1	76	6E-31	100%	100%	291260719	Bacteria	n	n	uncultured bacterium	Uncultured bacterium clone F5K204C04L5DQ 23S ribosomal RNA gene, partial sequence
VostokV6_c165	203	1	203	2E-84	95%	95%	285159491	Bacteria	Proteobacteria	Betaproteobacteria	<i>Lautropia mirabilis</i>	<i>Lautropia mirabilis</i> clone AQ137 16S ribosomal RNA gene, partial sequence
VostokV6_s253	156	1	156	7E-72	99%	99%	284810302	Bacteria	Proteobacteria	Betaproteobacteria	<i>Burkholderia</i> sp. CV4.4.3R1	<i>Burkholderia</i> sp. CV4.4.3R1 16S ribosomal RNA gene, partial sequence
VostokV6_s62	105	43	105	6E-21	97%	97%	238057381	Bacteria	Proteobacteria	Betaproteobacteria	Uncultured <i>Thiobacillus</i> sp.	Uncultured <i>Thiobacillus</i> sp. clone REG_R2P1_F10 16S ribosomal RNA gene, partial sequence
VostokV6_rep_c148	163	1	163	4E-65	95%	95%	98975330	Bacteria	Proteobacteria	Gammaproteobacteria	<i>Moraxella bovoculi</i>	<i>Moraxella bovoculi</i> strain 2471-2 16S ribosomal RNA gene, partial sequence; 16S-23S ribosomal RNA intergenic spacer, complete sequence; and 23S ribosomal RNA gene, partial sequence
VostokV6_s113	198	1	162	8E-53	90%	90%	1240033	Bacteria	Proteobacteria	Gammaproteobacteria	<i>Escherichia</i>	<i>Escherichia</i> sp. gene for 16S rRNA
VostokV6_c270	148	1	148	9E-71	100%	100%	284159233	Eukaryota	Ascomycota	Saccharomycetes	<i>Ogataea thermomethanolic</i>	<i>Ogataea thermomethanolic</i> strain ATCC MYA-4465 18S ribosomal RNA gene, complete sequence
VostokV6_c110	94	25	94	7E-25	97%	97%	166947935	Eukaryota	Ascomycota	Saccharomycetes	<i>Candida tropicalis</i>	<i>Candida tropicalis</i> isolate Y21 26S ribosomal RNA gene, partial sequence
VostokV6_c187	111	1	111	5E-42	94%	94%	158819348	Eukaryota	Ascomycota	Saccharomycetes	<i>Babjevella inositovora</i>	<i>Pichia inositovora</i> strain NRRL Y-12698 26S ribosomal RNA gene, partial sequence
VostokV6_c100	177	4	177	4E-85	100%	100%	234195550	Eukaryota	Basidiomycota	n	uncultured Agaricomycotina	Uncultured Agaricomycotina clone S-90 18S ribosomal RNA gene, partial sequence
VostokV6_c223	77	1	77	1E-31	100%	100%	295393258	Eukaryota	Basidiomycota	Tremellomycetes	<i>Bullera taiwanensis</i>	<i>Bullera taiwanensis</i> strain CK14 18S ribosomal RNA gene, partial sequence
VostokV6_rep_c131	185	1	184	1E-90	100%	100%	292660457	Eukaryota	Basidiomycota	n	uncultured Basidiomycota	Uncultured Basidiomycota clone CR73P4H12 18S ribosomal RNA gene, partial sequence
VostokV6_c273	47	3	42	7E-10	98%	98%	256859920	Eukaryota	Basidiomycota	Agaricomycetes	<i>Geastrum sessile</i>	<i>Geastrum sessile</i> voucher MW 367 28S ribosomal RNA gene, partial sequence
VostokV6_c233	218	35	218	5E-85	98%	98%	50845139	Eukaryota	n	n	uncultured fungus	Uncultured fungus clone SBS2w20f 18S ribosomal RNA gene, partial sequence
VostokV6_rep_c141	114	1	114	5E-52	100%	100%	256373711	Eukaryota	Streptophyta	n	<i>Thalictrum simplex</i>	<i>Thalictrum simplex</i> 18S ribosomal RNA gene, partial sequence