

Table S9. Ribosomal RNA gene sequences less than 200 nt in length (could not be submitted to NCBI) from V6.

Sequence ID	Q length	Q start	Q end	e-value	%-ident	%-sim	GI hit	Domain	Phylum	Class	Genus/species
VostokV6_rep_c226	179	1	179	1E-85	0.99	0.99	262063836	Bacteria	Actinobacteria	Actinobacteria _class_	uncultured Frankineae bacterium
VostokV6_s130	192	1	124	1E-55	0.99	0.99	268032028	Bacteria	Actinobacteria	Actinobacteria _class_	Micrococcus sp. M-B-1
VostokV6_rep_c96	197	1	156	1E-60	0.94	0.94	95117795	Bacteria	Actinobacteria	Actinobacteria _class_	Clavibacter michiganensis
VostokV6_s134	134	1	134	1E-59	0.99	0.99	196174919	Bacteria	Actinobacteria	Actinobacteria _class_	Mycobacterium marinum
VostokV6_s244	108	1	108	5E-47	0.99	0.99	290794322	Bacteria	Chloroflexi	n	uncultured Chloroflexi bacterium
VostokV6_rep_c194	175	1	175	1E-85	1	1	9187671	Bacteria	n	n	uncultured rape rhizosphere
VostokV6_rep_c199	200	23	200	8E-68	0.94	0.94	119352337	Bacteria	n	n	uncultured bacterium
VostokV6_rep_c274	203	1	203	6E-59	0.85	0.85	28848718	Bacteria	n	n	uncultured bacterium
VostokV6_s184	137	1	137	1E-64	1	1	126402247	Bacteria	n	n	uncultured bacterium
VostokV6_s243	78	1	78	3E-32	1	1	295687301	Bacteria	n	n	uncultured bacterium
VostokV6_s265	188	1	188	3E-86	0.98	0.98	217416971	Bacteria	n	n	uncultured bacterium
VostokV6_rep_c147	835	1	812	0	1	1	294662251	n	n	n	unknown
VostokV6_rep_c157	210	1	210	1E-96	0.97	0.97	291260192	Bacteria	n	n	uncultured bacterium
VostokV6_rep_c293	195	1	195	9E-92	0.98	0.98	291261679	Bacteria	n	n	uncultured bacterium
VostokV6_s95	99	1	76	6E-31	1	1	291260719	Bacteria	n	n	uncultured bacterium
VostokV6_c165	203	1	203	2E-84	0.95	0.95	285159491	Bacteria	Proteobacteria	Betaproteobacteria	Lautropia mirabilis
VostokV6_s253	156	1	156	7E-72	0.99	0.99	284810302	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderia sp. CV4.4.3R1
VostokV6_s62	105	43	105	6E-21	0.97	0.97	238057381	Bacteria	Proteobacteria	Betaproteobacteria	Uncultured Thiobacillus sp.
VostokV6_rep_c148	163	1	163	4E-65	0.95	0.95	98975330	Bacteria	Proteobacteria	Gammaproteobacteria	Moraxella bovoculi
VostokV6_s113	198	1	162	8E-53	0.9	0.9	1240033	Bacteria	Proteobacteria	Gammaproteobacteria	Escherichia
VostokV6_s215	125	1	125	6E-37	0.91	0.91	239829322	Bacteria	Proteobacteria	Gammaproteobacteria	Escherichia coli
VostokV6_c270	148	1	148	9E-71	1	1	284159233	Eukaryota	Ascomycota	Saccharomycetes	Ogataea thermomethanolica
VostokV6_c110	94	25	94	7E-25	0.97	0.97	166947935	Eukaryota	Ascomycota	Saccharomycetes	Candida tropicalis
VostokV6_c187	111	1	111	5E-42	0.94	0.94	158819348	Eukaryota	Ascomycota	Saccharomycetes	Babjeviella inositovora
VostokV6_c100	177	4	177	4E-85	1	1	234195550	Eukaryota	Basidiomycota	n	uncultured Agaricomycotina
VostokV6_c223	77	1	77	1E-31	1	1	295393258	Eukaryota	Basidiomycota	Tremellomycetes	Bullera taiwanensis
VostokV6_rep_c131	185	1	184	1E-90	1	1	292660457	Eukaryota	Basidiomycota	n	uncultured Basidiomycota
VostokV6_c273	47	3	42	7E-10	0.98	0.98	256859920	Eukaryota	Basidiomycota	Agaricomycetes	Gastrum sessile
VostokV6_c233	218	35	218	5E-85	0.98	0.98	50845139	Eukaryota	n	n	uncultured fungus
VostokV6_rep_c141	114	1	114	5E-52	1	1	256373711	Eukaryota	Streptophyta	n	Thalictrum simplex

Trna And The Tnac Leader Peptide (Part 2 Of 2).

; complete sequence; and 23S ribosomal RNA gene, partial sequence