

## SUPPLEMENT-C: THE TOTAL AND THE ACTIVE BACTERIAL DIVERSITY TABLE

TABLE 35: RELATIVE ABUNDANCE OF THE TOTAL AND THE ACTIVE BACTERIAL PHYLUM. LONAR 1, LONAR 2 AND LONAR 3 REPRESENT 3 DIFFERENT SAMPLES, AND THE VALUES ARE AVERAGE OF 3 SEPARATE EXPERIMENTS.

Total diversity							
Phylum	Sample						
	Lonar 1	Lonar 2	Lonar 3	Average	Standard deviation	Maximum	Minimum
<i>Firmicutes</i>	45.963	58.441	49.088	51.164	5.302	58.441	45.963
<i>Actinobacteria</i>	7.317	23.792	16.825	15.978	6.752	23.792	7.317
<i>Chloroflexi</i>	19.686	3.074	5.973	9.578	7.245	19.686	3.074
<i>Proteobacteria</i>	3.515	5.763	11.725	7.001	3.464	11.725	3.515
<i>Gemmatimonadetes</i>	0.745	4.301	9.028	4.691	3.393	9.028	0.745
<i>Planctomycetes</i>	6.807	1.077	2.210	3.365	2.478	6.807	1.077
<i>Deinococcus-Thermus</i>	3.008	0.332	0.572	1.304	1.209	3.008	0.332
<i>TA06</i>	2.698	0.048	0.129	0.958	1.230	2.698	0.048
<i>Armatimonadetes</i>	1.302	0.375	0.672	0.783	0.386	1.302	0.375
<i>Latescibacteria</i>	1.018	0.059	0.157	0.411	0.431	1.018	0.059
<i>Bacteroidetes</i>	1.014	0.396	0.615	0.675	0.256	1.014	0.396
<i>Parcubacteria</i>	1.003	0.246	0.272	0.507	0.351	1.003	0.246
<i>Aminicenantes</i>	0.972	0.145	0.293	0.470	0.360	0.972	0.145
<i>Atribacteria</i>	0.859	0.059	0.079	0.332	0.373	0.859	0.059
<i>Tenericutes</i>	0.409	0.637	0.816	0.621	0.167	0.816	0.409
<i>Thermotogae</i>	0.776	0.005	0.021	0.267	0.359	0.776	0.005
<i>Acidobacteria</i>	0.560	0.187	0.293	0.347	0.157	0.560	0.187
<i>Cloacimonetes</i>	0.511	0.016	0.014	0.180	0.234	0.511	0.014
<i>Spirochaetae</i>	0.337	0.059	0.186	0.194	0.114	0.337	0.059
<i>Microgenomates</i>	0.310	0.096	0.157	0.188	0.090	0.310	0.096
<i>TM6</i>	0.227	0.016	0.064	0.102	0.090	0.227	0.016
<i>Nitrospirae</i>	0.015	0.129	0.150	0.098	0.059	0.150	0.015
<i>Lentisphaerae</i>	0.136	0.043	0.057	0.079	0.041	0.136	0.043
<i>Verrucomicrobia</i>	0.008	0.123	0.036	0.056	0.049	0.123	0.008
<i>SHA-109</i>	0.064	0.086	0.114	0.088	0.021	0.114	0.064
<i>Hydrogenedentes</i>	0.098	0.086	0.057	0.080	0.017	0.098	0.057
<i>Acetothermia</i>	0.091	0.000	0.000	0.030	0.043	0.091	0.000
<i>Cyanobacteria</i>	0.030	0.032	0.086	0.049	0.026	0.086	0.030
<i>Candidate division WS6</i>	0.083	0.054	0.079	0.072	0.013	0.083	0.054
<i>Chlorobi</i>	0.072	0.048	0.036	0.052	0.015	0.072	0.036
<i>Hyd24-12</i>	0.045	0.054	0.072	0.057	0.011	0.072	0.045

<i>Aerophobetes</i>	0.068	0.011	0.000	0.026	0.030	0.068	0.000
<i>Kazan-3B-09</i>	0.068	0.011	0.000	0.026	0.030	0.068	0.000
<i>Synergistetes</i>	0.064	0.000	0.007	0.024	0.029	0.064	0.000
<i>Saccharibacteria</i>	0.008	0.016	0.043	0.022	0.015	0.043	0.008
<i>Fibrobacteres</i>	0.038	0.016	0.021	0.025	0.009	0.038	0.016
<i>Candidate division OP3</i>	0.019	0.032	0.014	0.022	0.008	0.032	0.014
<i>Elusimicrobia</i>	0.000	0.032	0.014	0.015	0.013	0.032	0.000
<i>WCHB1-60</i>	0.004	0.032	0.000	0.012	0.014	0.032	0.000
<i>Omnitrophica</i>	0.026	0.011	0.000	0.012	0.011	0.026	0.000
<i>Gracilibacteria</i>	0.004	0.021	0.000	0.008	0.009	0.021	0.000
<i>Fusobacteria</i>	0.000	0.016	0.000	0.005	0.008	0.016	0.000
<i>Chlamydiae</i>	0.015	0.011	0.007	0.011	0.003	0.015	0.007
<i>SM2F11</i>	0.000	0.000	0.014	0.005	0.007	0.014	0.000
<i>Caldiserica</i>	0.008	0.000	0.000	0.003	0.004	0.008	0.000
<i>Deferribacteres</i>	0.000	0.005	0.000	0.002	0.003	0.005	0.000
<i>JL-ETNP-Z39</i>	0.000	0.005	0.000	0.002	0.003	0.005	0.000

#### Active community diversity

Phylum	Sample						
	Lonar 1	Lonar 2	Lonar 3	Average	Standard deviation	Maximum	Minimum
<b>Firmicutes</b>	54.224	47.316	63.557	55.032	6.655	63.557	47.316
<b>Actinobacteria</b>	3.378	25.568	11.528	13.491	9.165	25.568	3.378
<b>Proteobacteria</b>	17.450	11.294	10.072	12.939	3.228	17.450	10.072
<b>Chloroflexi</b>	17.244	8.191	8.397	11.277	4.220	17.244	8.191
<b>Deinococcus-Thermus</b>	0.216	2.755	2.212	1.728	1.092	2.755	0.216
<b>Atribacteria</b>	1.744	0.653	0.294	0.897	0.616	1.744	0.294
<b>Planctomycetes</b>	1.227	0.647	0.551	0.808	0.299	1.227	0.551
<b>Fusobacteria</b>	0.792	0.137	0.130	0.353	0.311	0.792	0.130
<b>Bacteroidetes</b>	0.502	0.771	0.249	0.508	0.213	0.771	0.249
<b>TA06</b>	0.700	0.124	0.101	0.308	0.277	0.700	0.101
<b>Armatimonadetes</b>	0.219	0.554	0.402	0.392	0.137	0.554	0.219
<b>Gemmatimonadetes</b>	0.251	0.336	0.551	0.379	0.126	0.551	0.251
<b>Acidobacteria</b>	0.099	0.342	0.518	0.320	0.172	0.518	0.099
<b>Aminicenantes</b>	0.393	0.100	0.447	0.313	0.153	0.447	0.100
<b>Fibrobacteres</b>	0.000	0.267	0.000	0.089	0.126	0.267	0.000
<b>Spirochaetae</b>	0.251	0.155	0.209	0.205	0.039	0.251	0.155
<b>Latescibacteria</b>	0.237	0.137	0.175	0.183	0.041	0.237	0.137
<b>Verrucomicrobia</b>	0.163	0.205	0.149	0.172	0.024	0.205	0.149
<b>Cyanobacteria</b>	0.131	0.019	0.182	0.111	0.068	0.182	0.019
<b>SHA-109</b>	0.180	0.000	0.022	0.068	0.080	0.180	0.000
<b>Hydrogenedentes</b>	0.000	0.162	0.041	0.068	0.069	0.162	0.000
<b>Lentisphaerae</b>	0.117	0.000	0.000	0.039	0.055	0.117	0.000
<b>Aerophobetes</b>	0.106	0.031	0.000	0.046	0.045	0.106	0.000

Acetothermia	0.103	0.019	0.034	0.052	0.037	0.103	0.019
Saccharibacteria	0.088	0.019	0.000	0.036	0.038	0.088	0.000
Candidate division OP3	0.078	0.037	0.000	0.038	0.032	0.078	0.000
Synergistetes	0.000	0.000	0.067	0.022	0.032	0.067	0.000
Hyd24-12	0.000	0.050	0.000	0.017	0.023	0.050	0.000
Cloacimonetes	0.000	0.044	0.000	0.015	0.021	0.044	0.000
TM6	0.000	0.044	0.007	0.017	0.019	0.044	0.000
Candidate division WS6	0.039	0.000	0.000	0.013	0.018	0.039	0.000
Parcubacteria	0.000	0.019	0.026	0.015	0.011	0.026	0.000
Microgenomates	0.025	0.000	0.000	0.008	0.012	0.025	0.000
Nitrospirae	0.021	0.000	0.022	0.015	0.010	0.022	0.000
Thermotogae	0.021	0.000	0.000	0.007	0.010	0.021	0.000
Chlorobi	0.000	0.000	0.019	0.006	0.009	0.019	0.000
Marinimicrobia (SAR406 clade)	0.000	0.000	0.015	0.005	0.007	0.015	0.000
Omnitrophica	0.000	0.000	0.011	0.004	0.005	0.011	0.000
Tenericutes	0.000	0.000	0.011	0.004	0.005	0.011	0.000
Elusimicrobia	0.000	0.006	0.000	0.002	0.003	0.006	0.000

TABLE 36: RELATIVE ABUNDANCE OF THE TOTAL AND THE ACTIVE BACTERIAL GENERA. LONAR 1, LONAR 2 AND LONAR 3 REPRESENT 3 DIFFERENT SAMPLES, AND THE VALUES ARE AVERAGE OF 3 SEPARATE EXPERIMENTS.

Total diversity							
Genus	Sample						
	Lonar 1	Lonar 2	Lonar 3	Average	Standard deviation	Maximum	Minimum
<i>Bacillus</i>	33.99960	42.40309	28.09130	34.83133	5.87229	42.40309	28.09130
<i>Dethiobacter</i>	16.11914	4.52875	5.01330	8.55373	5.35321	16.11914	4.52875
<i>Alkaliphilus</i>	7.34217	10.05879	13.27545	10.22547	2.42512	13.27545	7.34217
<i>Anaerobacillus</i>	5.39284	10.07716	6.39966	7.28989	2.01331	10.07716	5.39284
<i>Longispora</i>	0.80150	7.49587	8.23414	5.51050	3.34338	8.23414	0.80150
<i>Truepera</i>	7.00574	0.44093	0.92424	2.79030	2.98729	7.00574	0.44093
<i>Natronincola</i>	1.51395	5.29120	3.96303	3.58939	1.56452	5.29120	1.51395
<i>Hyphomicrobium</i>	0.61350	1.81885	4.22910	2.22048	1.50314	4.22910	0.61350
<i>Brassicibacter</i>	0.61350	3.61933	1.41437	1.88240	1.27097	3.61933	0.61350
<i>Pir4 lineage</i>	3.04769	0.48686	0.70018	1.41158	1.16018	3.04769	0.48686
<i>Caldicoprobacter</i>	2.61231	0.64303	0.75620	1.33718	0.90284	2.61231	0.64303
<i>Nitrolancea</i>	0.09895	1.09315	2.17056	1.12089	0.84596	2.17056	0.09895
<i>Haliangium</i>	0.28696	0.71652	2.04453	1.01600	0.74812	2.04453	0.28696
<i>Candidatus Caldatribacterium</i>	1.93944	0.08267	0.11203	0.71138	0.86845	1.93944	0.08267
<i>Desulfovibrio</i>	1.74154	0.58791	0.12603	0.81849	0.67938	1.74154	0.12603
<i>Geoalkalibacter</i>	0.11874	0.53279	1.72245	0.79133	0.67975	1.72245	0.11874

<i>Planctomyces</i>	0.01979	0.30314	1.62442	0.64912	0.69928	1.62442	0.01979
<i>Haloplasma</i>	1.02909	1.05640	1.56841	1.21797	0.24805	1.56841	1.02909
<i>OM27 clade</i>	0.05937	0.13779	1.33035	0.50917	0.58154	1.33035	0.05937
<i>Ruminiclostridium</i>	1.31605	0.12861	0.16804	0.53757	0.55071	1.31605	0.12861
<i>Luedemannella</i>	0.00990	0.33070	1.19031	0.51030	0.49836	1.19031	0.00990
<i>Vulgatibacter</i>	0.01979	0.11023	1.07828	0.40277	0.47908	1.07828	0.01979
<i>Desulforhabdus</i>	0.95983	0.00000	0.01400	0.32461	0.44920	0.95983	0.00000
<i>Nitriliruptor</i>	0.02969	0.35826	0.91024	0.43273	0.36332	0.91024	0.02969
<i>Spirochaeta 2</i>	0.88066	0.10105	0.36409	0.44860	0.32384	0.88066	0.10105
<i>Ruminiclostridium 1</i>	0.82129	0.16535	0.51813	0.50159	0.26804	0.82129	0.16535
<i>Candidatus Microthrix</i>	0.03958	0.23884	0.81221	0.36354	0.32752	0.81221	0.03958
<i>Candidatus Contubernalis</i>	0.79161	0.11942	0.11203	0.34102	0.31863	0.79161	0.11203
<i>Gelria</i>	0.78171	0.07349	0.09803	0.31774	0.32823	0.78171	0.07349
<i>Ruminococcaceae UCG-012</i>	0.73224	0.13779	0.04201	0.30401	0.30531	0.73224	0.04201
<i>Alkalibacillus</i>	0.22759	0.45012	0.71419	0.46396	0.19889	0.71419	0.22759
<i>Pirellula</i>	0.52444	0.05512	0.02801	0.20252	0.22790	0.52444	0.02801
<i>Micromonospora</i>	0.07916	0.14698	0.49013	0.23876	0.17989	0.49013	0.07916
<i>Ammoniphilus</i>	0.22759	0.26640	0.43411	0.30937	0.08962	0.43411	0.22759
<i>Clostridium sensu stricto 8</i>	0.07916	0.36744	0.14004	0.19555	0.12406	0.36744	0.07916
<i>Sorangium</i>	0.01979	0.06430	0.35009	0.14473	0.14635	0.35009	0.01979
<i>Sandaracinus</i>	0.01979	0.10105	0.33609	0.15231	0.13412	0.33609	0.01979
<i>Tumebacillus</i>	0.07916	0.10105	0.33609	0.17210	0.11630	0.33609	0.07916
<i>Halomonas</i>	0.31664	0.00000	0.00000	0.10555	0.14927	0.31664	0.00000
<i>Desulfitispora</i>	0.16822	0.31233	0.18205	0.22086	0.06492	0.31233	0.16822
<i>Pedomicrobium</i>	0.29685	0.04593	0.00000	0.11426	0.13047	0.29685	0.00000
<i>SM1A02</i>	0.00000	0.05512	0.29408	0.11640	0.12764	0.29408	0.00000
<i>Desulfonatrosospira</i>	0.28696	0.00000	0.00000	0.09565	0.13527	0.28696	0.00000
<i>Euzebya</i>	0.03958	0.27558	0.18205	0.16574	0.09704	0.27558	0.03958
<i>Gracilibacter</i>	0.25727	0.04593	0.04201	0.11507	0.10056	0.25727	0.04201
<i>Enhygromyxa</i>	0.02969	0.07349	0.25207	0.11841	0.09618	0.25207	0.02969
<i>Marmoricola</i>	0.00990	0.01837	0.23806	0.08878	0.10562	0.23806	0.00990
<i>Desulfitibacter</i>	0.21769	0.13779	0.22406	0.19318	0.03925	0.22406	0.13779
<i>Sciscionella</i>	0.00000	0.00000	0.22406	0.07469	0.10562	0.22406	0.00000
<i>Thioalkalivibrio</i>	0.21769	0.00000	0.12603	0.11458	0.08924	0.21769	0.00000
<i>Thermincola</i>	0.08906	0.00919	0.21005	0.10277	0.08258	0.21005	0.00919
<i>Clostridium sensu stricto 1</i>	0.19790	0.03674	0.04201	0.09222	0.07476	0.19790	0.03674
<i>Urania-1B-19 marine sediment group</i>	0.00990	0.05512	0.19605	0.08702	0.07928	0.19605	0.00990
<i>Acetonema</i>	0.18801	0.00000	0.00000	0.06267	0.08863	0.18801	0.00000
<i>Peptoclostridium</i>	0.18801	0.03674	0.07002	0.09826	0.06490	0.18801	0.03674
<i>MSBL7</i>	0.00000	0.17454	0.04201	0.07218	0.07438	0.17454	0.00000
<i>Pelobacter</i>	0.16822	0.00000	0.00000	0.05607	0.07930	0.16822	0.00000
<i>Thioalkalispira</i>	0.00000	0.02756	0.16804	0.06520	0.07359	0.16804	0.00000
<i>Thiohalophilus</i>	0.02969	0.01837	0.16804	0.07203	0.06805	0.16804	0.01837

<i>Tepidamorphus</i>	0.04948	0.15616	0.15404	0.11989	0.04980	0.15616	0.04948
<i>Marininema</i>	0.14843	0.02756	0.07002	0.08200	0.05007	0.14843	0.02756
<i>Steroidobacter</i>	0.00990	0.00919	0.14004	0.05304	0.06152	0.14004	0.00919
<i>Clostridium sensu stricto</i>	0.00000	0.12861	0.00000	0.04287	0.06063	0.12861	0.00000
<i>Ruminococcaceae UCG-014</i>	0.07916	0.12861	0.09803	0.10193	0.02037	0.12861	0.07916
<i>Desulfatiglans</i>	0.06927	0.03674	0.12603	0.07735	0.03690	0.12603	0.03674
<i>Paenibacillus</i>	0.06927	0.09186	0.12603	0.09572	0.02334	0.12603	0.06927
<i>Ruminococcaceae UCG-013</i>	0.04948	0.03674	0.12603	0.07075	0.03943	0.12603	0.03674
<i>Coxiella</i>	0.11874	0.00000	0.05601	0.05825	0.04850	0.11874	0.00000
<i>Methylobacterium</i>	0.11874	0.08267	0.09803	0.09981	0.01478	0.11874	0.08267
<i>Orenia</i>	0.11874	0.03674	0.09803	0.08450	0.03481	0.11874	0.03674
<i>Fonticella</i>	0.01979	0.07349	0.11203	0.06844	0.03783	0.11203	0.01979
<i>Mobilitalea</i>	0.04948	0.00919	0.11203	0.05690	0.04231	0.11203	0.00919
<i>Nocardioides</i>	0.01979	0.06430	0.11203	0.06537	0.03766	0.11203	0.01979
<i>Oceanobacillus</i>	0.08906	0.03674	0.11203	0.07928	0.03150	0.11203	0.03674
<i>Thermobacillus</i>	0.02969	0.03674	0.11203	0.05949	0.03726	0.11203	0.02969
<i>Thiohalomonas</i>	0.00990	0.04593	0.11203	0.05595	0.04229	0.11203	0.00990
<i>Sphaerobacter</i>	0.00000	0.11023	0.08402	0.06475	0.04702	0.11023	0.00000
<i>Aeribacillus</i>	0.10885	0.00919	0.00000	0.03934	0.04929	0.10885	0.00000
<i>Coleofasciculus</i>	0.00000	0.03674	0.09803	0.04492	0.04043	0.09803	0.00000
<i>Craurococcus</i>	0.00990	0.00919	0.09803	0.03904	0.04171	0.09803	0.00919
<i>Desulfotomaculum</i>	0.02969	0.03674	0.09803	0.05482	0.03069	0.09803	0.02969
<i>Oxalophagus</i>	0.05937	0.04593	0.09803	0.06778	0.02208	0.09803	0.04593
<i>Brevundimonas</i>	0.08906	0.00919	0.00000	0.03275	0.03999	0.08906	0.00000
<i>Exiguobacterium</i>	0.08906	0.00000	0.00000	0.02969	0.04198	0.08906	0.00000
<i>Halocella</i>	0.08906	0.00000	0.01400	0.03435	0.03910	0.08906	0.00000
<i>Desulfuromonas</i>	0.00000	0.00000	0.08402	0.02801	0.03961	0.08402	0.00000
<i>Nannocystis</i>	0.00990	0.02756	0.08402	0.04049	0.03161	0.08402	0.00990
<i>Pelolinea</i>	0.01979	0.03674	0.08402	0.04685	0.02718	0.08402	0.01979
<i>Proteinivorax</i>	0.02969	0.04593	0.08402	0.05321	0.02277	0.08402	0.02969
<i>Rhodopirellula</i>	0.04948	0.08267	0.02801	0.05339	0.02249	0.08267	0.02801
<i>Candidatus Cloacamonas</i>	0.07916	0.00000	0.00000	0.02639	0.03732	0.07916	0.00000
<i>haloalkaliphilic bacterium AChT6-1</i>	0.07916	0.01837	0.01400	0.03718	0.02974	0.07916	0.01400
<i>Natranaerobius</i>	0.07916	0.00000	0.00000	0.02639	0.03732	0.07916	0.00000
<i>Syntrophomonas</i>	0.07916	0.00919	0.04201	0.04345	0.02859	0.07916	0.00919
<i>Anaerobacterium</i>	0.00990	0.01837	0.07002	0.03276	0.02657	0.07002	0.00990
<i>Anaeromyxobacter</i>	0.00990	0.05512	0.07002	0.04501	0.02556	0.07002	0.00990
<i>Caminicella</i>	0.05937	0.05512	0.07002	0.06150	0.00627	0.07002	0.05512
<i>Arthrobacter</i>	0.06927	0.00919	0.01400	0.03082	0.02726	0.06927	0.00919
<i>Garciella</i>	0.06927	0.00000	0.01400	0.02776	0.02990	0.06927	0.00000
<i>Lentibacter</i>	0.06927	0.00000	0.00000	0.02309	0.03265	0.06927	0.00000
<i>Moorella</i>	0.06927	0.00919	0.00000	0.02615	0.03072	0.06927	0.00000
<i>Oxobacter</i>	0.06927	0.01837	0.04201	0.04322	0.02079	0.06927	0.01837

<i>Solirubrobacter</i>	0.06927	0.01837	0.05601	0.04788	0.02156	0.06927	0.01837
<i>Staphylococcus</i>	0.06927	0.00000	0.01400	0.02776	0.02990	0.06927	0.00000
<i>Defluviitaleaceae UCG-011</i>	0.05937	0.00000	0.01400	0.02446	0.02534	0.05937	0.00000
<i>Fastidiosipila</i>	0.05937	0.00000	0.00000	0.01979	0.02799	0.05937	0.00000
<i>Geobacillus</i>	0.05937	0.02756	0.04201	0.04298	0.01301	0.05937	0.02756
<i>Pelotomaculum</i>	0.05937	0.02756	0.02801	0.03831	0.01489	0.05937	0.02756
<i>Christensenellaceae R-7 group</i>	0.03958	0.00000	0.05601	0.03187	0.02351	0.05601	0.00000
<i>Dehalococcoides</i>	0.00000	0.00000	0.05601	0.01867	0.02641	0.05601	0.00000
<i>Desertibacter</i>	0.00000	0.00000	0.05601	0.01867	0.02641	0.05601	0.00000
<i>Desulfuribacillus</i>	0.03958	0.00919	0.05601	0.03493	0.01940	0.05601	0.00919
<i>Desulfurispora</i>	0.00990	0.00000	0.05601	0.02197	0.02441	0.05601	0.00000
<i>Iamia</i>	0.00000	0.02756	0.05601	0.02786	0.02287	0.05601	0.00000
<i>Defluviicoccus</i>	0.00000	0.05512	0.00000	0.01837	0.02598	0.05512	0.00000
<i>Nitrosococcus</i>	0.01979	0.05512	0.02801	0.03430	0.01509	0.05512	0.01979
<i>Halanaerobium</i>	0.04948	0.00919	0.01400	0.02422	0.01797	0.04948	0.00919
<i>Natranaerovirga</i>	0.04948	0.03674	0.01400	0.03341	0.01467	0.04948	0.01400
<i>Salimesophilobacter</i>	0.04948	0.00000	0.01400	0.02116	0.02082	0.04948	0.00000
<i>Streptomyces</i>	0.04948	0.00000	0.02801	0.02583	0.02026	0.04948	0.00000
<i>Variibacter</i>	0.04948	0.01837	0.01400	0.02728	0.01579	0.04948	0.01400
<i>Bdellovibrio</i>	0.00990	0.04593	0.04201	0.03261	0.01614	0.04593	0.00990
<i>Blastopirellula</i>	0.01979	0.04593	0.00000	0.02191	0.01881	0.04593	0.00000
<i>Rhodovibrio</i>	0.00000	0.04593	0.00000	0.01531	0.02165	0.04593	0.00000
<i>Rubrobacter</i>	0.00000	0.04593	0.01400	0.01998	0.01922	0.04593	0.00000
<i>Acidiferrobacter</i>	0.00000	0.02756	0.04201	0.02319	0.01743	0.04201	0.00000
<i>Candidatus Paceibacter</i>	0.01979	0.03674	0.04201	0.03285	0.00948	0.04201	0.01979
<i>Gottschalkia</i>	0.02969	0.00000	0.04201	0.02390	0.01763	0.04201	0.00000
<i>Intestinibacter</i>	0.00000	0.00919	0.04201	0.01707	0.01803	0.04201	0.00000
<i>Lachnoclostridium</i>	0.00990	0.00000	0.04201	0.01730	0.01793	0.04201	0.00000
<i>Lutispora</i>	0.01979	0.02756	0.04201	0.02979	0.00921	0.04201	0.01979
<i>Methyloceanibacter</i>	0.00990	0.03674	0.04201	0.02955	0.01406	0.04201	0.00990
<i>Modestobacter</i>	0.01979	0.00000	0.04201	0.02060	0.01716	0.04201	0.00000
<i>Pelomonas</i>	0.00990	0.00919	0.04201	0.02036	0.01531	0.04201	0.00919
<i>Pontibacillus</i>	0.02969	0.00919	0.04201	0.02696	0.01354	0.04201	0.00919
<i>Rhodococcus</i>	0.00000	0.00919	0.04201	0.01707	0.01803	0.04201	0.00000
<i>Thiopfundum</i>	0.00000	0.00000	0.04201	0.01400	0.01980	0.04201	0.00000
<i>Heliorestis</i>	0.03958	0.00000	0.00000	0.01319	0.01866	0.03958	0.00000
<i>Polycladomyces</i>	0.03958	0.00000	0.00000	0.01319	0.01866	0.03958	0.00000
<i>Salinarimonas</i>	0.03958	0.00000	0.01400	0.01786	0.01639	0.03958	0.00000
<i>Virgibacillus</i>	0.03958	0.00919	0.01400	0.02092	0.01334	0.03958	0.00919
<i>Desulfatitalea</i>	0.01979	0.03674	0.02801	0.02818	0.00692	0.03674	0.01979
<i>Acidovorax</i>	0.02969	0.00000	0.00000	0.00990	0.01399	0.02969	0.00000
<i>Brevibacillus</i>	0.02969	0.00919	0.00000	0.01296	0.01241	0.02969	0.00000
<i>Candidatus Anammoximicrobium</i>	0.02969	0.00919	0.02801	0.02229	0.00929	0.02969	0.00919

<i>Candidatus Metachlamydia</i>	0.02969	0.00000	0.00000	0.00990	0.01399	0.02969	0.00000
<i>Catellatospora</i>	0.02969	0.00919	0.00000	0.01296	0.01241	0.02969	0.00000
<i>Clostridium sensu stricto 13</i>	0.02969	0.00919	0.00000	0.01296	0.01241	0.02969	0.00000
<i>Dehalobacterium</i>	0.02969	0.01837	0.00000	0.01602	0.01223	0.02969	0.00000
<i>Delftia</i>	0.02969	0.00000	0.00000	0.00990	0.01399	0.02969	0.00000
<i>Effusibacillus</i>	0.02969	0.00000	0.00000	0.00990	0.01399	0.02969	0.00000
<i>Epulopiscium</i>	0.02969	0.00000	0.00000	0.00990	0.01399	0.02969	0.00000
<i>GAL15</i>	0.02969	0.00000	0.01400	0.01456	0.01213	0.02969	0.00000
<i>Geodermatophilus</i>	0.02969	0.01837	0.02801	0.02535	0.00498	0.02969	0.01837
<i>Robinsoniella</i>	0.02969	0.00000	0.00000	0.00990	0.01399	0.02969	0.00000
<i>Salsuginibacillus</i>	0.02969	0.00919	0.01400	0.01763	0.00875	0.02969	0.00919
<i>Sphingomonas</i>	0.02969	0.00919	0.00000	0.01296	0.01241	0.02969	0.00000
<i>Sporomusa</i>	0.02969	0.00000	0.00000	0.00990	0.01399	0.02969	0.00000
<i>Thermoflavimicrobium</i>	0.02969	0.00000	0.01400	0.01456	0.01213	0.02969	0.00000
<i>Candidatus Solibacter</i>	0.01979	0.02756	0.02801	0.02512	0.00377	0.02801	0.01979
<i>Crossiella</i>	0.00990	0.00000	0.02801	0.01263	0.01160	0.02801	0.00000
<i>Jahnella</i>	0.00990	0.00000	0.02801	0.01263	0.01160	0.02801	0.00000
<i>Mycobacterium</i>	0.00000	0.02756	0.02801	0.01852	0.01310	0.02801	0.00000
<i>Nitrincola</i>	0.00000	0.02756	0.02801	0.01852	0.01310	0.02801	0.00000
<i>Paracoccus</i>	0.00990	0.00000	0.02801	0.01263	0.01160	0.02801	0.00000
<i>Pasteuria</i>	0.00000	0.00000	0.02801	0.00934	0.01320	0.02801	0.00000
<i>Pelospora</i>	0.00990	0.00000	0.02801	0.01263	0.01160	0.02801	0.00000
<i>Polyangium</i>	0.00990	0.00000	0.02801	0.01263	0.01160	0.02801	0.00000
<i>Pseudomonas</i>	0.00000	0.01837	0.02801	0.01546	0.01162	0.02801	0.00000
<i>Rhodomicrobium</i>	0.00990	0.00919	0.02801	0.01570	0.00871	0.02801	0.00919
<i>Sedimentibacter</i>	0.00990	0.00000	0.02801	0.01263	0.01160	0.02801	0.00000
<i>SEEP-SRB1</i>	0.00000	0.00919	0.02801	0.01240	0.01166	0.02801	0.00000
<i>Thalassobacillus</i>	0.00000	0.00000	0.02801	0.00934	0.01320	0.02801	0.00000
<i>Vulcanibacillus</i>	0.01979	0.00919	0.02801	0.01899	0.00770	0.02801	0.00919
<i>Cellulomonas</i>	0.00990	0.02756	0.00000	0.01248	0.01140	0.02756	0.00000
<i>Cryptanaerobacter</i>	0.01979	0.02756	0.01400	0.02045	0.00555	0.02756	0.01400
<i>Desulfobulbus</i>	0.00990	0.02756	0.00000	0.01248	0.01140	0.02756	0.00000
<i>Haliera</i>	0.00000	0.02756	0.00000	0.00919	0.01299	0.02756	0.00000
<i>Haloferula</i>	0.00000	0.02756	0.00000	0.00919	0.01299	0.02756	0.00000
<i>Kocuria</i>	0.00990	0.02756	0.00000	0.01248	0.01140	0.02756	0.00000
<i>Marinicella</i>	0.00990	0.02756	0.00000	0.01248	0.01140	0.02756	0.00000
<i>Microbacterium</i>	0.00000	0.02756	0.00000	0.00919	0.01299	0.02756	0.00000
<i>Pseudonocardia</i>	0.01979	0.02756	0.00000	0.01578	0.01160	0.02756	0.00000
<i>Robiginitalea</i>	0.00000	0.02756	0.00000	0.00919	0.01299	0.02756	0.00000
<i>Roseibacillus</i>	0.00000	0.02756	0.00000	0.00919	0.01299	0.02756	0.00000
<i>Seonamhaeicola</i>	0.00000	0.02756	0.00000	0.00919	0.01299	0.02756	0.00000
<i>Acinetobacter</i>	0.01979	0.00919	0.00000	0.00966	0.00809	0.01979	0.00000
<i>Actinomycetospora</i>	0.01979	0.00919	0.01400	0.01433	0.00434	0.01979	0.00919

<i>Aerococcus</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Anaerobranca</i>	0.01979	0.00919	0.00000	0.00966	0.00809	0.01979	0.00000
<i>bacterium enrichment culture clone BA129</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Caloranaerobacter</i>	0.01979	0.00000	0.01400	0.01126	0.00831	0.01979	0.00000
<i>Candidatus Alysiosphaera</i>	0.01979	0.00919	0.01400	0.01433	0.00434	0.01979	0.00919
<i>Candidatus Latescibacter</i>	0.01979	0.00919	0.01400	0.01433	0.00434	0.01979	0.00919
<i>Clostridium sensu stricto 7</i>	0.01979	0.00000	0.01400	0.01126	0.00831	0.01979	0.00000
<i>Coprothermobacter</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Defluviitalea</i>	0.01979	0.00919	0.01400	0.01433	0.00434	0.01979	0.00919
<i>Dehalobacter</i>	0.01979	0.01837	0.01400	0.01739	0.00246	0.01979	0.01400
<i>Desulfonatronobacter</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Lachnospiraceae NC2004 group</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Lysinibacillus</i>	0.01979	0.00919	0.00000	0.00966	0.00809	0.01979	0.00000
<i>Melghirimyces</i>	0.01979	0.01837	0.00000	0.01272	0.00901	0.01979	0.00000
<i>Patulibacter</i>	0.01979	0.00919	0.01400	0.01433	0.00434	0.01979	0.00919
<i>Planifilum</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Polaribacter</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Prevotellaceae UCG-001</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Propionispora</i>	0.01979	0.00000	0.01400	0.01126	0.00831	0.01979	0.00000
<i>Proteiniclasticum</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Pseudoalteromonas</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Reyranelia</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Ruminiclostridium 9</i>	0.01979	0.00000	0.01400	0.01126	0.00831	0.01979	0.00000
<i>Ruminococcaceae UCG-010</i>	0.01979	0.00919	0.00000	0.00966	0.00809	0.01979	0.00000
<i>Sporacetigenium</i>	0.01979	0.00919	0.00000	0.00966	0.00809	0.01979	0.00000
<i>Sporobacter</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Streptosporangium</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Thermoactinomyces</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Thermovirga</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Tyzzarella</i>	0.01979	0.00000	0.00000	0.00660	0.00933	0.01979	0.00000
<i>Alteribacillus sp. JSM 102045</i>	0.00000	0.01837	0.00000	0.00612	0.00866	0.01837	0.00000
<i>Bythopirellula</i>	0.00000	0.01837	0.00000	0.00612	0.00866	0.01837	0.00000
<i>Candidatus Xiphinematobacter</i>	0.00000	0.01837	0.00000	0.00612	0.00866	0.01837	0.00000
<i>Gemmata</i>	0.00000	0.01837	0.00000	0.00612	0.00866	0.01837	0.00000
<i>Idiomarina</i>	0.00000	0.01837	0.00000	0.00612	0.00866	0.01837	0.00000
<i>Illumatobacter</i>	0.00000	0.01837	0.00000	0.00612	0.00866	0.01837	0.00000
<i>Lewinella</i>	0.00000	0.01837	0.00000	0.00612	0.00866	0.01837	0.00000
<i>Microlunatus</i>	0.00000	0.01837	0.00000	0.00612	0.00866	0.01837	0.00000
<i>Propionigenium</i>	0.00000	0.01837	0.00000	0.00612	0.00866	0.01837	0.00000
<i>Roseobacter</i>	0.00000	0.01837	0.00000	0.00612	0.00866	0.01837	0.00000
<i>Thiohalocapsa</i>	0.00000	0.01837	0.00000	0.00612	0.00866	0.01837	0.00000
<i>Thiomicrospira</i>	0.00000	0.01837	0.00000	0.00612	0.00866	0.01837	0.00000



<i>[Eubacterium] oxidoreducens group</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Acidaminobacter</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Actinomadura</i>	0.00000	0.00919	0.01400	0.00773	0.00581	0.01400	0.00000
<i>Actinopolymorpha</i>	0.00990	0.00000	0.01400	0.00797	0.00588	0.01400	0.00000
<i>Alkalimonas</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Altererythrobacter</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Alteribacillus</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Anaerobaculum</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Anaerovirgula</i>	0.00990	0.00000	0.01400	0.00797	0.00588	0.01400	0.00000
<i>Aneurinibacillus</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Anoxynatronum</i>	0.00000	0.00919	0.01400	0.00773	0.00581	0.01400	0.00000
<i>Arcobacter</i>	0.00990	0.00000	0.01400	0.00797	0.00588	0.01400	0.00000
<i>Arhodomonas</i>	0.00000	0.00919	0.01400	0.00773	0.00581	0.01400	0.00000
<i>Blautia</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Bosea</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Byssovorax</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>C1-B045</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Caldalkalibacillus</i>	0.00000	0.00919	0.01400	0.00773	0.00581	0.01400	0.00000
<i>Caloramator</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Calothrix sp. CCAP 1410/13</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Candidatus Protochlamydia</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Chungangia</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Clostridium sensu stricto 11</i>	0.00990	0.00000	0.01400	0.00797	0.00588	0.01400	0.00000
<i>Clostridium sensu stricto 14</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Clostridium sensu stricto 18</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Cohnella</i>	0.00990	0.00000	0.01400	0.00797	0.00588	0.01400	0.00000
<i>Curvibacter</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Cystobacter</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Desulfosporosinus</i>	0.00000	0.00919	0.01400	0.00773	0.00581	0.01400	0.00000
<i>Desulfovirga</i>	0.00000	0.00919	0.01400	0.00773	0.00581	0.01400	0.00000
<i>Domibacillus</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Family XIII UCG-002</i>	0.00990	0.00000	0.01400	0.00797	0.00588	0.01400	0.00000
<i>Gaiella</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Gemmatimonas</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Knoellia</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Legionella</i>	0.00000	0.00919	0.01400	0.00773	0.00581	0.01400	0.00000
<i>Methylocaldum</i>	0.00990	0.00000	0.01400	0.00797	0.00588	0.01400	0.00000
<i>Methylohalomonas</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Micrococcus</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Nocardiopsis</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Nonomuraea</i>	0.00990	0.00000	0.01400	0.00797	0.00588	0.01400	0.00000
<i>Pseudenygromyxa</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Simplicispira</i>	0.00990	0.00919	0.01400	0.01103	0.00212	0.01400	0.00919

<i>Sporosarcina</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Tepidibacter</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Thiogranum</i>	0.00000	0.00000	0.01400	0.00467	0.00660	0.01400	0.00000
<i>Turicibacter</i>	0.00990	0.00000	0.01400	0.00797	0.00588	0.01400	0.00000
<i>Acetivibrio</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Alcanivorax</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Allokutzneria</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Alteribacillus sp. JC229</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Anaerotruncus</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Asanoa</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Aureimonas</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Azospirillum</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Camelimonas</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Candidatus Competibacter</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Candidatus Desulforudis</i>	0.00990	0.00919	0.00000	0.00636	0.00451	0.00990	0.00000
<i>Catabacter</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Caulobacter</i>	0.00990	0.00919	0.00000	0.00636	0.00451	0.00990	0.00000
<i>Clostridiisalibacter</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Clostridium sensu stricto 3</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Desulfonatronum</i>	0.00990	0.00919	0.00000	0.00636	0.00451	0.00990	0.00000
<i>Erysipelothrix</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Filomicrobium</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Georgenia</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Gracilibacillus</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Isoptericola</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Kineococcus</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Kineosporia</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Laceyella</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Lachnoclostridium 12</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Natronovirga</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Nitratireductor</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Ornatilinea</i>	0.00990	0.00919	0.00000	0.00636	0.00451	0.00990	0.00000
<i>Planomicrobium</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Pseudospirillum</i>	0.00990	0.00919	0.00000	0.00636	0.00451	0.00990	0.00000
<i>Quadrisphaera</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Roseiflexus</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Ruminococcus 1</i>	0.00990	0.00919	0.00000	0.00636	0.00451	0.00990	0.00000
<i>Scopulibacillus</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Shimazuella</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Silanimonas</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Sporosalibacterium</i>	0.00990	0.00919	0.00000	0.00636	0.00451	0.00990	0.00000
<i>Streptococcus</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Syntrophobacter</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000

<i>Thermosinus</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>Trueperella</i>	0.00990	0.00000	0.00000	0.00330	0.00466	0.00990	0.00000
<i>AKYG587</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Albimonas</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Algibacter</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Alteromonas</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Amphibacillus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Aquamicrobium</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Aquibacter</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Aquimarina</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>bacterium enrichment culture clone</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<b>BBMC-4</b>							
<i>bacterium WH6-7</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Bacteroidales bacterium APP1</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Balneola</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Bradyrhizobium</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Brumimicrobium</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Caldithrix</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Candidatus Amoebophilus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Candidatus Entotheonella</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Candidatus Rhabdochlamydia</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Carnobacterium</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Cerasibacillus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Chthoniobacter</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>CL500-3</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Desulfococcus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Desulforhopalus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Erythrobacter</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Eudoraea</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Euzebyella</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Gemella</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Geosporobacter</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Gracilimonas</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Gramella</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Halioglobus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Halolactibacillus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Isosphaera</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Lachnoclostridium 5</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Lautropia</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Listeria</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Maribacter</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Marinobacter</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Marinomonas</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000

<i>Marivirga</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Neochlamydia</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Nitrospira</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Nocardia</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Nordella</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Oleiphilus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Ornithinicoccus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Ornithinimicrobium</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Phaeodactylibacter</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Planococcus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Portibacter</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Proteiniborus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Pullulanibacillus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Reichenbachiella</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Rubripirellula</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Salegentibacter</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Salinibacillus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Salinibacter</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Salisediminibacterium</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>SEEP-SRB4</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Smithella</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Sneathia</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Solibacillus</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Solobacterium</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Sva0081 sediment group</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Thermaerobacter</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Thiohalobacter</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000
<i>Vibrio</i>	0.00000	0.00919	0.00000	0.00306	0.00433	0.00919	0.00000

#### Active community diversity

Genus	Sample						
	Lonar 1	Lonar 2	Lonar 3	Average	Standard deviation	Maximum	Minimum
<i>Alkaliphilus</i>	28.55672	21.90904	21.61754	24.02777	3.20467	28.55672	21.61754
<i>Anaerobacillus</i>	20.60986	12.01463	27.63640	20.08696	6.38827	27.63640	12.01463
<i>Bacillus</i>	7.28013	21.68454	9.37843	12.78103	6.35374	21.68454	7.28013
<i>Natronincola</i>	10.62359	1.83753	15.20963	9.22358	5.54817	15.20963	1.83753
<i>Longispora</i>	0.69124	8.10676	6.36672	5.05491	3.16629	8.10676	0.69124
<i>Euzebya</i>	0.00000	5.90338	0.42567	2.10968	2.68817	5.90338	0.00000
<i>Caulobacter</i>	4.29944	1.25551	0.75522	2.10339	1.56622	4.29944	0.75522
<i>Pelomonas</i>	4.13766	2.03708	0.88795	2.35423	1.34551	4.13766	0.88795
<i>Truepera</i>	0.23041	3.55866	2.42585	2.07164	1.38164	3.55866	0.23041
<i>Acinetobacter</i>	3.43661	1.54652	1.29989	2.09434	0.95445	3.43661	1.29989

<i>Nitriliruptor</i>	0.03432	2.97664	1.58367	1.53154	1.20176	2.97664	0.03432
<i>Candidatus Caldatribacterium</i>	2.41690	0.87304	0.36159	1.21718	0.87365	2.41690	0.36159
<i>Nitrolancea</i>	0.02451	2.22832	1.05273	1.10185	0.90037	2.22832	0.02451
<i>Sphingomonas</i>	2.01000	0.55708	0.37074	0.97927	0.73279	2.01000	0.37074
<i>Brevundimonas</i>	1.51976	0.67348	0.23801	0.81042	0.53215	1.51976	0.23801
<i>Hyphomicrobium</i>	0.00000	1.05596	1.18546	0.74714	0.53095	1.18546	0.00000
<i>Luedemannella</i>	0.00000	1.14742	0.62248	0.58997	0.46900	1.14742	0.00000
<i>Propionigenium</i>	1.05402	0.18292	0.16020	0.46571	0.41610	1.05402	0.16020
<i>Delftia</i>	1.02461	0.09146	0.11900	0.41169	0.43354	1.02461	0.09146
<i>Micromonospora</i>	0.00000	0.77326	1.00696	0.59341	0.43031	1.00696	0.00000
<i>Gelria</i>	0.70595	0.20787	0.22885	0.38089	0.23001	0.70595	0.20787
<i>Dethiobacter</i>	0.66183	0.33259	0.09154	0.36199	0.23375	0.66183	0.09154
<i>Candidatus Contubernalis</i>	0.54417	0.00000	0.00000	0.18139	0.25652	0.54417	0.00000
<i>Sphaerobacter</i>	0.00000	0.39910	0.04577	0.14829	0.17833	0.39910	0.00000
<i>Brassicibacter</i>	0.37259	0.13303	0.20597	0.23720	0.10026	0.37259	0.13303
<i>Planctomyces</i>	0.33337	0.11640	0.19681	0.21553	0.08956	0.33337	0.11640
<i>Pseudomonas</i>	0.11276	0.33259	0.12358	0.18964	0.10117	0.33259	0.11276
<i>Spirochaeta 2</i>	0.31866	0.13303	0.20139	0.21769	0.07665	0.31866	0.13303
<i>Haliangium</i>	0.00000	0.12472	0.31582	0.14685	0.12988	0.31582	0.00000
<i>Aerococcus</i>	0.30395	0.00000	0.00000	0.10132	0.14328	0.30395	0.00000
<i>Escherichia-Shigella</i>	0.30395	0.00000	0.12358	0.14251	0.12481	0.30395	0.00000
<i>Methylobacterium</i>	0.28924	0.13303	0.29751	0.23993	0.07566	0.29751	0.13303
<i>Sandaracinus</i>	0.00000	0.01663	0.29751	0.10471	0.13650	0.29751	0.00000
<i>Micrococcus</i>	0.28924	0.00000	0.05492	0.11472	0.12543	0.28924	0.00000
<i>Desulfatiglans</i>	0.26963	0.19955	0.22885	0.23268	0.02874	0.26963	0.19955
<i>Candidatus Solibacter</i>	0.00000	0.03326	0.26547	0.09958	0.11809	0.26547	0.00000
<i>Halomonas</i>	0.26473	0.03326	0.00458	0.10086	0.11647	0.26473	0.00458
<i>Candidatus Alysiosphaera</i>	0.25983	0.00000	0.00000	0.08661	0.12248	0.25983	0.00000
<i>Clostridium sensu stricto 8</i>	0.07354	0.25775	0.07781	0.13637	0.08585	0.25775	0.07354
<i>Pseudoalteromonas</i>	0.25493	0.01663	0.00000	0.09052	0.11645	0.25493	0.00000
<i>Roseobacter</i>	0.25493	0.09146	0.00915	0.11851	0.10214	0.25493	0.00915
<i>Curvibacter</i>	0.24512	0.15798	0.08696	0.16335	0.06468	0.24512	0.08696
<i>Ralstonia</i>	0.00000	0.24112	0.04119	0.09411	0.10531	0.24112	0.00000
<i>Haloferula</i>	0.22551	0.03326	0.00000	0.08626	0.09940	0.22551	0.00000
<i>Marinicella</i>	0.22551	0.04157	0.01373	0.09361	0.09396	0.22551	0.01373
<i>Bradyrhizobium</i>	0.18139	0.22449	0.06408	0.15665	0.06778	0.22449	0.06408
<i>Bosea</i>	0.22061	0.14966	0.00000	0.12342	0.09195	0.22061	0.00000
<i>Propionibacterium</i>	0.21571	0.17461	0.21970	0.20334	0.02038	0.21970	0.17461
<i>Sediminibacterium</i>	0.21080	0.00831	0.00000	0.07304	0.09747	0.21080	0.00000
<i>Stenotrophomonas</i>	0.21080	0.06652	0.02289	0.10007	0.08030	0.21080	0.02289
<i>MSBL7</i>	0.09315	0.20787	0.14647	0.14916	0.04687	0.20787	0.09315
<i>Paracoccus</i>	0.20590	0.10809	0.13731	0.15044	0.04100	0.20590	0.10809
<i>Aquabacterium</i>	0.00000	0.19955	0.00458	0.06804	0.09301	0.19955	0.00000

<i>Staphylococcus</i>	0.12256	0.14135	0.19224	0.15205	0.02943	0.19224	0.12256
<i>Octadecabacter</i>	0.19120	0.00000	0.00000	0.06373	0.09013	0.19120	0.00000
<i>Leucobacter</i>	0.18629	0.00000	0.00000	0.06210	0.08782	0.18629	0.00000
<i>Corynebacterium 1</i>	0.00000	0.18292	0.04119	0.07471	0.07835	0.18292	0.00000
<i>Geoalkalibacter</i>	0.00000	0.18292	0.11900	0.10064	0.07580	0.18292	0.00000
<i>Nitrincola</i>	0.00000	0.18292	0.06866	0.08386	0.07545	0.18292	0.00000
<i>Thermoanaerobaculum</i>	0.00000	0.18292	0.03662	0.07318	0.07903	0.18292	0.00000
<i>Blastopirellula</i>	0.18139	0.09146	0.03204	0.10163	0.06139	0.18139	0.03204
<i>Pir4 lineage</i>	0.17159	0.04989	0.10070	0.10739	0.04991	0.17159	0.04989
<i>Altererythrobacter</i>	0.00000	0.16629	0.00000	0.05543	0.07839	0.16629	0.00000
<i>Streptococcus</i>	0.11276	0.16629	0.12816	0.13574	0.02250	0.16629	0.11276
<i>Thiopfundum</i>	0.00000	0.00831	0.16477	0.05770	0.07579	0.16477	0.00000
<i>Cobetia</i>	0.16178	0.00000	0.00000	0.05393	0.07626	0.16178	0.00000
<i>Ruminococcaceae UCG-005</i>	0.00000	0.15798	0.00000	0.05266	0.07447	0.15798	0.00000
<i>Devosia</i>	0.15198	0.00000	0.00000	0.05066	0.07164	0.15198	0.00000
<i>Cellulomonas</i>	0.14707	0.00000	0.00000	0.04902	0.06933	0.14707	0.00000
<i>Rhodopseudomonas</i>	0.14707	0.08315	0.00915	0.07979	0.05636	0.14707	0.00915
<i>Sulfitobacter</i>	0.14217	0.00000	0.00000	0.04739	0.06702	0.14217	0.00000
<i>haloalkaliphilic bacterium AChT6-1</i>	0.00000	0.14135	0.00000	0.04712	0.06663	0.14135	0.00000
<i>Desulfonatronospira</i>	0.13727	0.00000	0.00000	0.04576	0.06471	0.13727	0.00000
<i>Christensenellaceae R-7 group</i>	0.13237	0.08315	0.04577	0.08709	0.03546	0.13237	0.04577
<i>Exiguobacterium</i>	0.13237	0.05820	0.07781	0.08946	0.03138	0.13237	0.05820
<i>Mobilitalea</i>	0.00000	0.04157	0.12816	0.05658	0.05339	0.12816	0.00000
<i>Alterococcus</i>	0.00000	0.12472	0.00000	0.04157	0.05879	0.12472	0.00000
<i>Desulfovibrio</i>	0.00000	0.12472	0.00000	0.04157	0.05879	0.12472	0.00000
<i>Fulvivirga</i>	0.12256	0.00000	0.00000	0.04085	0.05778	0.12256	0.00000
<i>Acidibacter</i>	0.03432	0.11640	0.07781	0.07618	0.03353	0.11640	0.03432
<i>Arthrobacter</i>	0.08334	0.11640	0.03204	0.07726	0.03471	0.11640	0.03204
<i>Atopobium</i>	0.11276	0.00000	0.00000	0.03759	0.05315	0.11276	0.00000
<i>Rhodopirellula</i>	0.11276	0.10809	0.00000	0.07362	0.05209	0.11276	0.00000
<i>Thioalkalivibrio</i>	0.00000	0.00000	0.10985	0.03662	0.05178	0.10985	0.00000
<i>marine metagenome</i>	0.08824	0.10809	0.00000	0.06544	0.04698	0.10809	0.00000
<i>Owenweeksia</i>	0.00000	0.10809	0.00000	0.03603	0.05095	0.10809	0.00000
<i>Pirellula</i>	0.00000	0.10809	0.00915	0.03908	0.04894	0.10809	0.00000
<i>Sphingopyxis</i>	0.10785	0.04989	0.05950	0.07241	0.02536	0.10785	0.04989
<i>Marivirga</i>	0.10295	0.00000	0.00000	0.03432	0.04853	0.10295	0.00000
<i>Moraxella</i>	0.00000	0.02494	0.10070	0.04188	0.04282	0.10070	0.00000
<i>Rikenellaceae RC9 gut group</i>	0.00000	0.09978	0.00000	0.03326	0.04703	0.09978	0.00000
<i>Janthinobacterium</i>	0.09805	0.04989	0.00000	0.04931	0.04003	0.09805	0.00000
<i>Lentibacter</i>	0.09805	0.03326	0.00000	0.04377	0.04071	0.09805	0.00000
<i>Pedobacter</i>	0.09805	0.00000	0.00000	0.03268	0.04622	0.09805	0.00000
<i>Planktomarina</i>	0.09805	0.00000	0.00915	0.03573	0.04422	0.09805	0.00000
<i>Kocuria</i>	0.00000	0.09146	0.05950	0.05032	0.03790	0.09146	0.00000

<i>Ruminiclostridium</i>	0.00000	0.09146	0.04119	0.04422	0.03740	0.09146	0.00000
<i>Atopostipes</i>	0.08824	0.00000	0.00000	0.02941	0.04160	0.08824	0.00000
<i>Corynebacterium</i>	0.08824	0.00000	0.02289	0.03704	0.03739	0.08824	0.00000
<i>NS5 marine group</i>	0.04902	0.00000	0.08239	0.04380	0.03384	0.08239	0.00000
<i>Eudoraea</i>	0.07844	0.00000	0.00000	0.02615	0.03698	0.07844	0.00000
<i>Falsirhodobacter</i>	0.07844	0.00000	0.04119	0.03988	0.03204	0.07844	0.00000
<i>Haliea</i>	0.00000	0.07483	0.00000	0.02494	0.03528	0.07483	0.00000
<i>Perlucidibaca</i>	0.05393	0.07483	0.00000	0.04292	0.03153	0.07483	0.00000
<i>Desulfuribacillus</i>	0.07354	0.00000	0.00000	0.02451	0.03467	0.07354	0.00000
<i>Modestobacter</i>	0.00000	0.00000	0.07323	0.02441	0.03452	0.07323	0.00000
<i>Aminobacter</i>	0.00000	0.00000	0.06866	0.02289	0.03236	0.06866	0.00000
<i>Anaerococcus</i>	0.06863	0.00000	0.00000	0.02288	0.03235	0.06863	0.00000
<i>Defluviitaleaceae UCG-011</i>	0.06863	0.00000	0.00000	0.02288	0.03235	0.06863	0.00000
<i>Legionella</i>	0.06863	0.00000	0.00000	0.02288	0.03235	0.06863	0.00000
<i>Desulfobacca</i>	0.00000	0.06652	0.00000	0.02217	0.03136	0.06652	0.00000
<i>Natranaerobius</i>	0.00000	0.06652	0.00915	0.02522	0.02944	0.06652	0.00000
<i>Nocardioides</i>	0.00000	0.06652	0.00000	0.02217	0.03136	0.06652	0.00000
<i>Massilia</i>	0.00000	0.00000	0.06408	0.02136	0.03021	0.06408	0.00000
<i>Rs-M59 termite group</i>	0.06373	0.00000	0.00000	0.02124	0.03004	0.06373	0.00000
<i>Alkalibacterium</i>	0.04412	0.04157	0.05950	0.04840	0.00792	0.05950	0.04157
<i>Arcobacter</i>	0.00000	0.05820	0.00000	0.01940	0.02744	0.05820	0.00000
<i>Candidatus Actinomarina</i>	0.00000	0.05820	0.00000	0.01940	0.02744	0.05820	0.00000
<i>Eubacterium</i>	0.00000	0.05820	0.00000	0.01940	0.02744	0.05820	0.00000
<i>Gemmata</i>	0.00000	0.05820	0.00000	0.01940	0.02744	0.05820	0.00000
<i>Lachnospiraceae UCG-009</i>	0.00000	0.05820	0.00000	0.01940	0.02744	0.05820	0.00000
<i>OM43 clade</i>	0.00000	0.05820	0.00000	0.01940	0.02744	0.05820	0.00000
<i>Reichenbachiella</i>	0.00000	0.05820	0.00000	0.01940	0.02744	0.05820	0.00000
<i>Streptomyces</i>	0.00000	0.05820	0.00000	0.01940	0.02744	0.05820	0.00000
<i>Roseibacillus</i>	0.00000	0.00000	0.05492	0.01831	0.02589	0.05492	0.00000
<i>Lentimonas</i>	0.00000	0.00000	0.05035	0.01678	0.02373	0.05035	0.00000
<i>Phormidium</i>	0.00000	0.00000	0.05035	0.01678	0.02373	0.05035	0.00000
<i>Cloacibacterium</i>	0.03432	0.04989	0.00000	0.02807	0.02084	0.04989	0.00000
<i>Filomicrobium</i>	0.00000	0.04989	0.00000	0.01663	0.02352	0.04989	0.00000
<i>Lactobacillus</i>	0.04412	0.04989	0.00458	0.03286	0.02014	0.04989	0.00458
<i>Paenibacillus</i>	0.00000	0.04989	0.00000	0.01663	0.02352	0.04989	0.00000
<i>Ruminococcaceae NK4A214 group</i>	0.00000	0.04989	0.01373	0.02121	0.02104	0.04989	0.00000
<i>Ruminococcaceae UCG-010</i>	0.00000	0.04989	0.00000	0.01663	0.02352	0.04989	0.00000
<i>SAR92 clade</i>	0.00000	0.04989	0.04119	0.03036	0.02176	0.04989	0.00000
<i>Pseudochrobactrum</i>	0.04902	0.00000	0.00000	0.01634	0.02311	0.04902	0.00000
<i>Peptoniphilus</i>	0.00000	0.00000	0.04577	0.01526	0.02158	0.04577	0.00000
<i>Peredibacter</i>	0.00000	0.00000	0.04577	0.01526	0.02158	0.04577	0.00000
<i>Roseomonas</i>	0.00000	0.00000	0.04577	0.01526	0.02158	0.04577	0.00000
<i>Fusobacterium</i>	0.04412	0.00000	0.00000	0.01471	0.02080	0.04412	0.00000

<i>Rothia</i>	0.04412	0.01663	0.01373	0.02483	0.01369	0.04412	0.01373
<i>Anaeromyxobacter</i>	0.00000	0.04157	0.01373	0.01843	0.01729	0.04157	0.00000
<i>Dehalococcoides</i>	0.00000	0.04157	0.02746	0.02301	0.01726	0.04157	0.00000
<i>Lachnospiraceae AC2044 group</i>	0.00000	0.04157	0.02289	0.02149	0.01700	0.04157	0.00000
<i>Lysinibacillus</i>	0.00000	0.04157	0.00458	0.01538	0.01861	0.04157	0.00000
<i>Methyloceanibacter</i>	0.00000	0.04157	0.00000	0.01386	0.01960	0.04157	0.00000
<i>Thiohalomonas</i>	0.00000	0.04157	0.03662	0.02606	0.01854	0.04157	0.00000
<i>Asciidiaceihabitans</i>	0.03922	0.00000	0.00000	0.01307	0.01849	0.03922	0.00000
<i>Acidiferrobacter</i>	0.00000	0.00000	0.03662	0.01221	0.01726	0.03662	0.00000
<i>Deinococcus</i>	0.00000	0.00000	0.03662	0.01221	0.01726	0.03662	0.00000
<i>Vibrio</i>	0.00000	0.02494	0.03662	0.02052	0.01527	0.03662	0.00000
<i>Desulfuromusa</i>	0.00000	0.03326	0.00000	0.01109	0.01568	0.03326	0.00000
<i>Jannaschia</i>	0.00000	0.03326	0.00000	0.01109	0.01568	0.03326	0.00000
<i>Quinella</i>	0.00000	0.03326	0.00000	0.01109	0.01568	0.03326	0.00000
<i>Robiginitalea</i>	0.00000	0.03326	0.01373	0.01566	0.01365	0.03326	0.00000
<i>Ruminococcaceae UCG-013</i>	0.00000	0.03326	0.01373	0.01566	0.01365	0.03326	0.00000
<i>Schlegelella</i>	0.00000	0.03326	0.01831	0.01719	0.01360	0.03326	0.00000
<i>Amphritea</i>	0.00000	0.00000	0.03204	0.01068	0.01510	0.03204	0.00000
<i>Coleofasciculus</i>	0.00000	0.00000	0.03204	0.01068	0.01510	0.03204	0.00000
<i>Microbacterium</i>	0.02451	0.02494	0.03204	0.02717	0.00345	0.03204	0.02451
<i>OM27 clade</i>	0.00000	0.00831	0.03204	0.01345	0.01358	0.03204	0.00000
<i>Peptoclostridium</i>	0.00000	0.00000	0.03204	0.01068	0.01510	0.03204	0.00000
<i>Pseudofulvibacter</i>	0.00000	0.00000	0.03204	0.01068	0.01510	0.03204	0.00000
<i>Psychrobacter</i>	0.00000	0.00000	0.03204	0.01068	0.01510	0.03204	0.00000
<i>Sorangium</i>	0.00000	0.00000	0.03204	0.01068	0.01510	0.03204	0.00000
<i>Syntrophus</i>	0.00000	0.00000	0.03204	0.01068	0.01510	0.03204	0.00000
<i>Thiohalobacter</i>	0.00000	0.00000	0.03204	0.01068	0.01510	0.03204	0.00000
<i>Treponema 2</i>	0.00000	0.01663	0.03204	0.01622	0.01308	0.03204	0.00000
<i>Illumatobacter</i>	0.00000	0.00000	0.02746	0.00915	0.01295	0.02746	0.00000
<i>Rathayibacter</i>	0.00000	0.00000	0.02746	0.00915	0.01295	0.02746	0.00000
<i>Rhodomicrobium</i>	0.00000	0.00000	0.02746	0.00915	0.01295	0.02746	0.00000
<i>Robinsoniella</i>	0.00000	0.00000	0.02746	0.00915	0.01295	0.02746	0.00000
<i>Smithella</i>	0.00000	0.01663	0.02746	0.01470	0.01129	0.02746	0.00000
<i>Thiohalophilus</i>	0.00000	0.00000	0.02746	0.00915	0.01295	0.02746	0.00000
<i>Chroococciopsis</i>	0.00000	0.02494	0.00000	0.00831	0.01176	0.02494	0.00000
<i>Gracilimonas</i>	0.00000	0.02494	0.00000	0.00831	0.01176	0.02494	0.00000
<i>Lutimonas</i>	0.00000	0.02494	0.00000	0.00831	0.01176	0.02494	0.00000
<i>Methylocella</i>	0.00000	0.02494	0.00000	0.00831	0.01176	0.02494	0.00000
<i>Nocardiopsis</i>	0.00000	0.02494	0.00000	0.00831	0.01176	0.02494	0.00000
<i>NS4 marine group</i>	0.00000	0.02494	0.00000	0.00831	0.01176	0.02494	0.00000
<i>[Eubacterium] hallii group</i>	0.00000	0.00000	0.02289	0.00763	0.01079	0.02289	0.00000
<i>Acidovorax</i>	0.00000	0.00000	0.02289	0.00763	0.01079	0.02289	0.00000
<i>Alteromonas</i>	0.00000	0.00000	0.02289	0.00763	0.01079	0.02289	0.00000



<i>Candidatus Microthrix</i>	0.00000	0.01663	0.02289	0.01317	0.00966	0.02289	0.00000
<i>Clostridium sensu stricto 13</i>	0.00000	0.00000	0.02289	0.00763	0.01079	0.02289	0.00000
<i>Conexibacter</i>	0.00000	0.00000	0.02289	0.00763	0.01079	0.02289	0.00000
<i>Enhygromyxa</i>	0.00000	0.00000	0.02289	0.00763	0.01079	0.02289	0.00000
<i>Jahnella</i>	0.00000	0.00000	0.02289	0.00763	0.01079	0.02289	0.00000
<i>Pseudobutyrvibrio</i>	0.00000	0.01663	0.02289	0.01317	0.00966	0.02289	0.00000
<i>Rummeliibacillus</i>	0.00000	0.00000	0.02289	0.00763	0.01079	0.02289	0.00000
<i>Citrobacter</i>	0.00000	0.00000	0.01831	0.00610	0.00863	0.01831	0.00000
<i>Clostridium sensu stricto</i>	0.00000	0.00831	0.01831	0.00887	0.00748	0.01831	0.00000
<i>Garciella</i>	0.00000	0.00000	0.01831	0.00610	0.00863	0.01831	0.00000
<i>Jatrophihabitans</i>	0.00000	0.00000	0.01831	0.00610	0.00863	0.01831	0.00000
<i>Microcoleus</i>	0.00000	0.00000	0.01831	0.00610	0.00863	0.01831	0.00000
<i>NS2b marine group</i>	0.00000	0.00000	0.01831	0.00610	0.00863	0.01831	0.00000
<i>Ruminococcaceae UCG-012</i>	0.00000	0.00000	0.01831	0.00610	0.00863	0.01831	0.00000
<i>Weissella</i>	0.00000	0.00000	0.01831	0.00610	0.00863	0.01831	0.00000
<i>Catellatospora</i>	0.00000	0.01663	0.00000	0.00554	0.00784	0.01663	0.00000
<i>Finegoldia</i>	0.00000	0.01663	0.00000	0.00554	0.00784	0.01663	0.00000
<i>Gemella</i>	0.00000	0.01663	0.00000	0.00554	0.00784	0.01663	0.00000
<i>Pelobacter</i>	0.00000	0.01663	0.00000	0.00554	0.00784	0.01663	0.00000
<i>Prevotella</i>	0.00000	0.01663	0.00000	0.00554	0.00784	0.01663	0.00000
<i>Prevotellaceae UCG-003</i>	0.00000	0.01663	0.00915	0.00859	0.00680	0.01663	0.00000
<i>Pseudospirillum</i>	0.00000	0.01663	0.00000	0.00554	0.00784	0.01663	0.00000
<i>Craurococcus</i>	0.01471	0.00000	0.00000	0.00490	0.00693	0.01471	0.00000
<i>Balneatrix</i>	0.00000	0.00000	0.01373	0.00458	0.00647	0.01373	0.00000
<i>Defluviitalea</i>	0.00000	0.00000	0.01373	0.00458	0.00647	0.01373	0.00000
<i>Fusibacter</i>	0.00000	0.00000	0.01373	0.00458	0.00647	0.01373	0.00000
<i>Haloplasma</i>	0.00000	0.00000	0.01373	0.00458	0.00647	0.01373	0.00000
<i>Lachnoclostridium</i>	0.00000	0.00000	0.01373	0.00458	0.00647	0.01373	0.00000
<i>Luteolibacter</i>	0.00000	0.00000	0.01373	0.00458	0.00647	0.01373	0.00000
<i>Pelospora</i>	0.00000	0.00000	0.01373	0.00458	0.00647	0.01373	0.00000
<i>Synechococcus</i>	0.00000	0.00000	0.01373	0.00458	0.00647	0.01373	0.00000
<i>Desulforhabdus</i>	0.00000	0.00000	0.00915	0.00305	0.00432	0.00915	0.00000
<i>Pelolinea</i>	0.00000	0.00000	0.00915	0.00305	0.00432	0.00915	0.00000
<i>Rhizobium</i>	0.00000	0.00000	0.00915	0.00305	0.00432	0.00915	0.00000
<i>Rubellimicrobium</i>	0.00000	0.00000	0.00915	0.00305	0.00432	0.00915	0.00000
<i>Salimesophilobacter</i>	0.00000	0.00000	0.00915	0.00305	0.00432	0.00915	0.00000
<i>SM1A02</i>	0.00000	0.00000	0.00915	0.00305	0.00432	0.00915	0.00000
<i>Chryseobacterium</i>	0.00000	0.00831	0.00000	0.00277	0.00392	0.00831	0.00000
<i>Family XIII AD3011 group</i>	0.00000	0.00831	0.00000	0.00277	0.00392	0.00831	0.00000
<i>Knoellia</i>	0.00000	0.00831	0.00000	0.00277	0.00392	0.00831	0.00000
<i>Marinoscillum</i>	0.00000	0.00831	0.00000	0.00277	0.00392	0.00831	0.00000
<i>Ruminococcaceae UCG-004</i>	0.00000	0.00831	0.00000	0.00277	0.00392	0.00831	0.00000
<i>SEEP-SRB1</i>	0.00000	0.00831	0.00000	0.00277	0.00392	0.00831	0.00000

<i>Simplicispira</i>	0.00000	0.00831	0.00000	0.00277	0.00392	0.00831	0.00000
<i>Sphingobacterium</i>	0.00000	0.00831	0.00000	0.00277	0.00392	0.00831	0.00000
<i>Pullulanibacillus</i>	0.00490	0.00000	0.00000	0.00163	0.00231	0.00490	0.00000
<i>Veillonella</i>	0.00490	0.00000	0.00000	0.00163	0.00231	0.00490	0.00000
<i>Actinomyces</i>	0.00000	0.00000	0.00458	0.00153	0.00216	0.00458	0.00000
<i>Candidatus Latescibacter</i>	0.00000	0.00000	0.00458	0.00153	0.00216	0.00458	0.00000
<i>Candidatus Paceibacter</i>	0.00000	0.00000	0.00458	0.00153	0.00216	0.00458	0.00000
<i>Capnocytophaga</i>	0.00000	0.00000	0.00458	0.00153	0.00216	0.00458	0.00000
<i>Formosa</i>	0.00000	0.00000	0.00458	0.00153	0.00216	0.00458	0.00000
<i>Microcystis</i>	0.00000	0.00000	0.00458	0.00153	0.00216	0.00458	0.00000
<i>Novosphingobium</i>	0.00000	0.00000	0.00458	0.00153	0.00216	0.00458	0.00000

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