Supplementary material for: “Host-specific assembly of sponge-associated prokaryotes at high taxonomic ranks"

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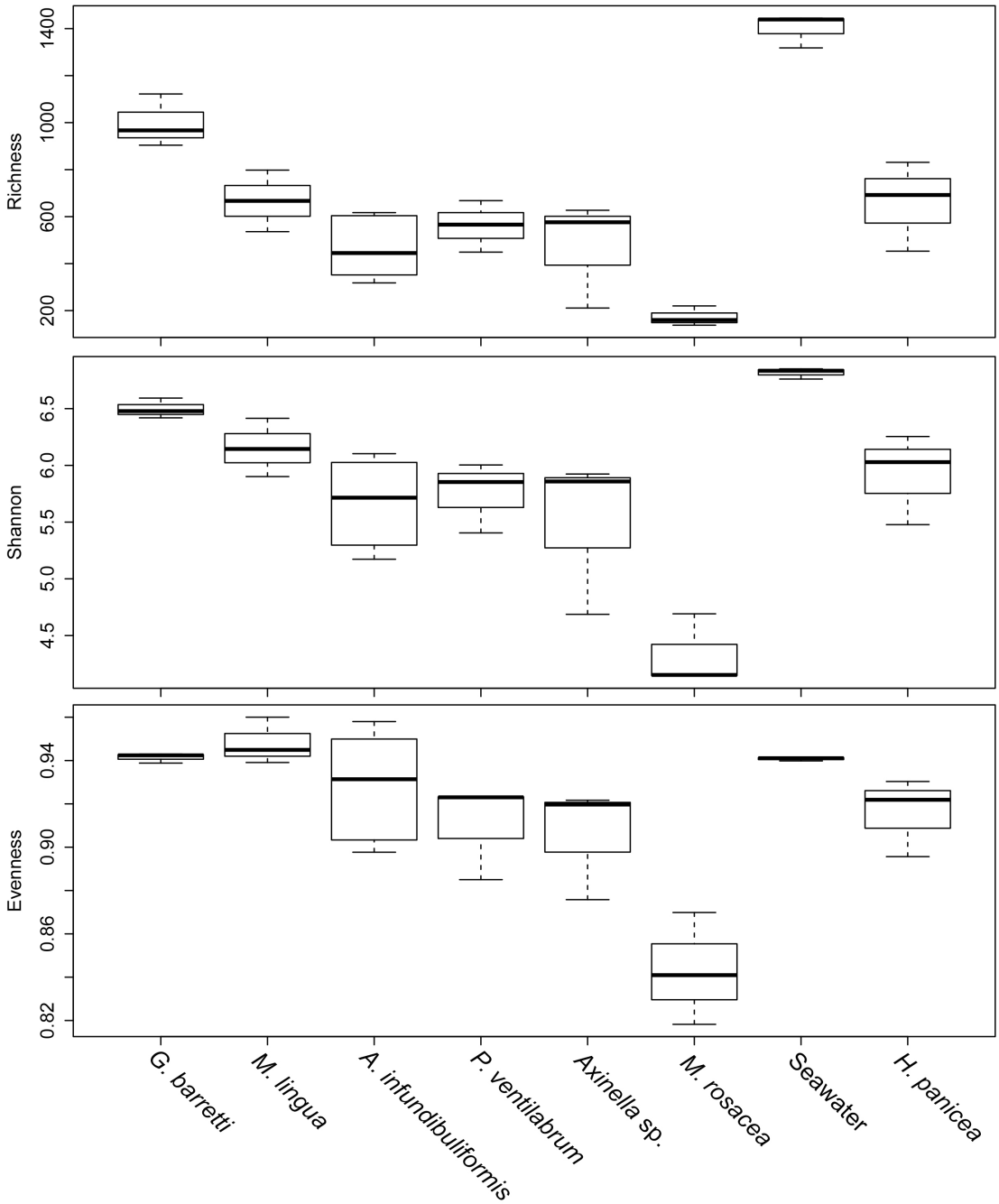
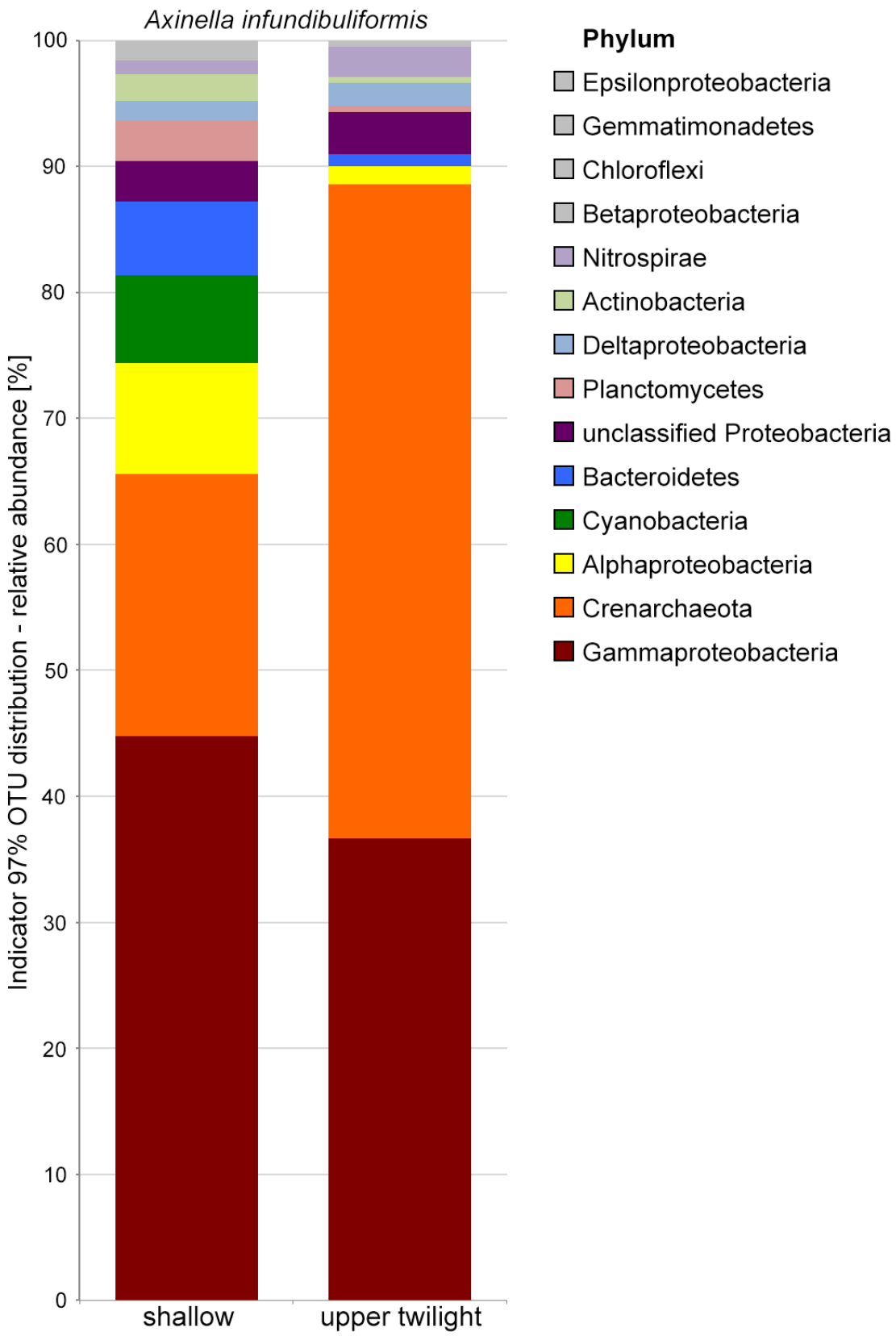
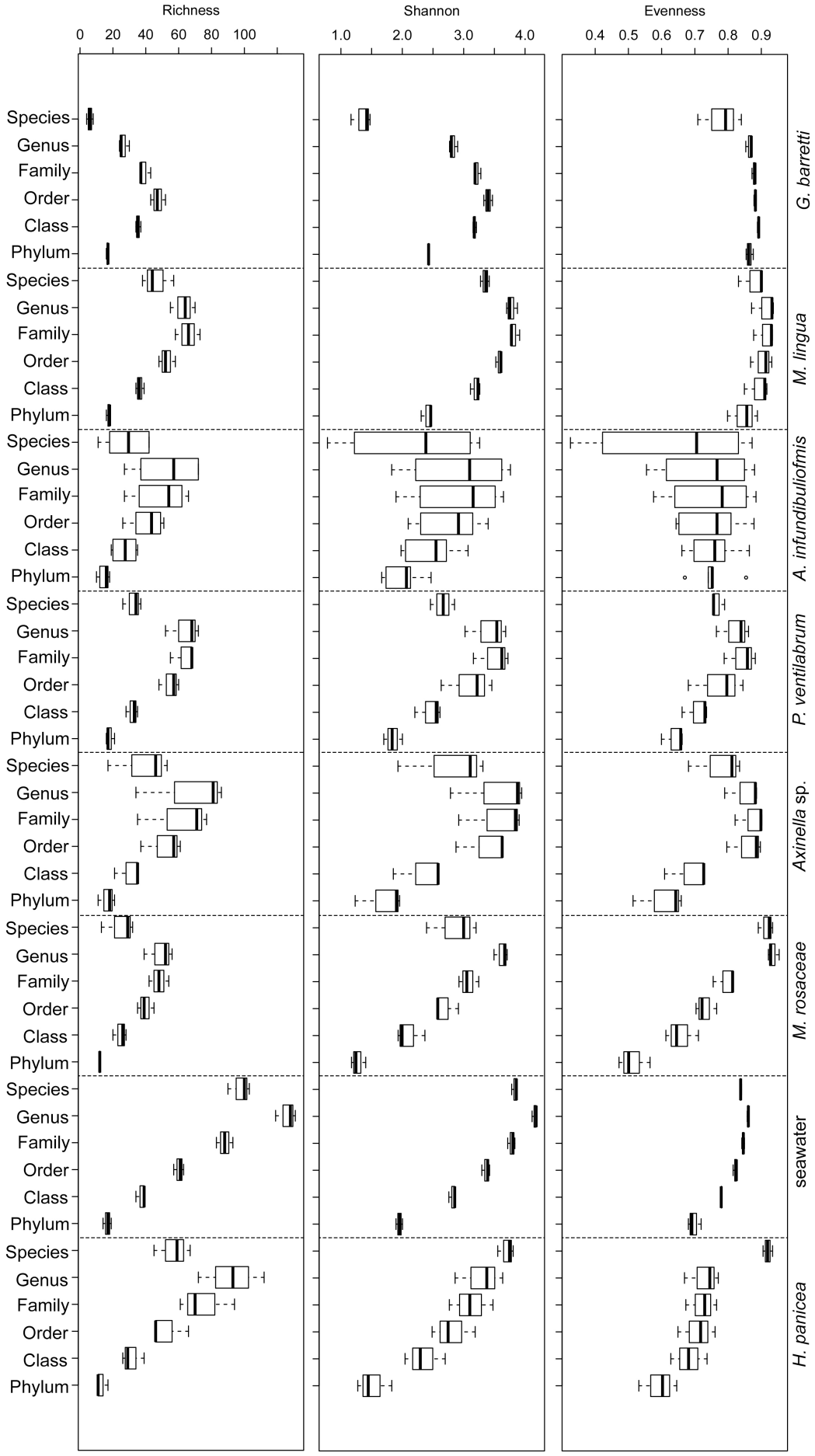
Section 1: Supplementary Figures and Tables



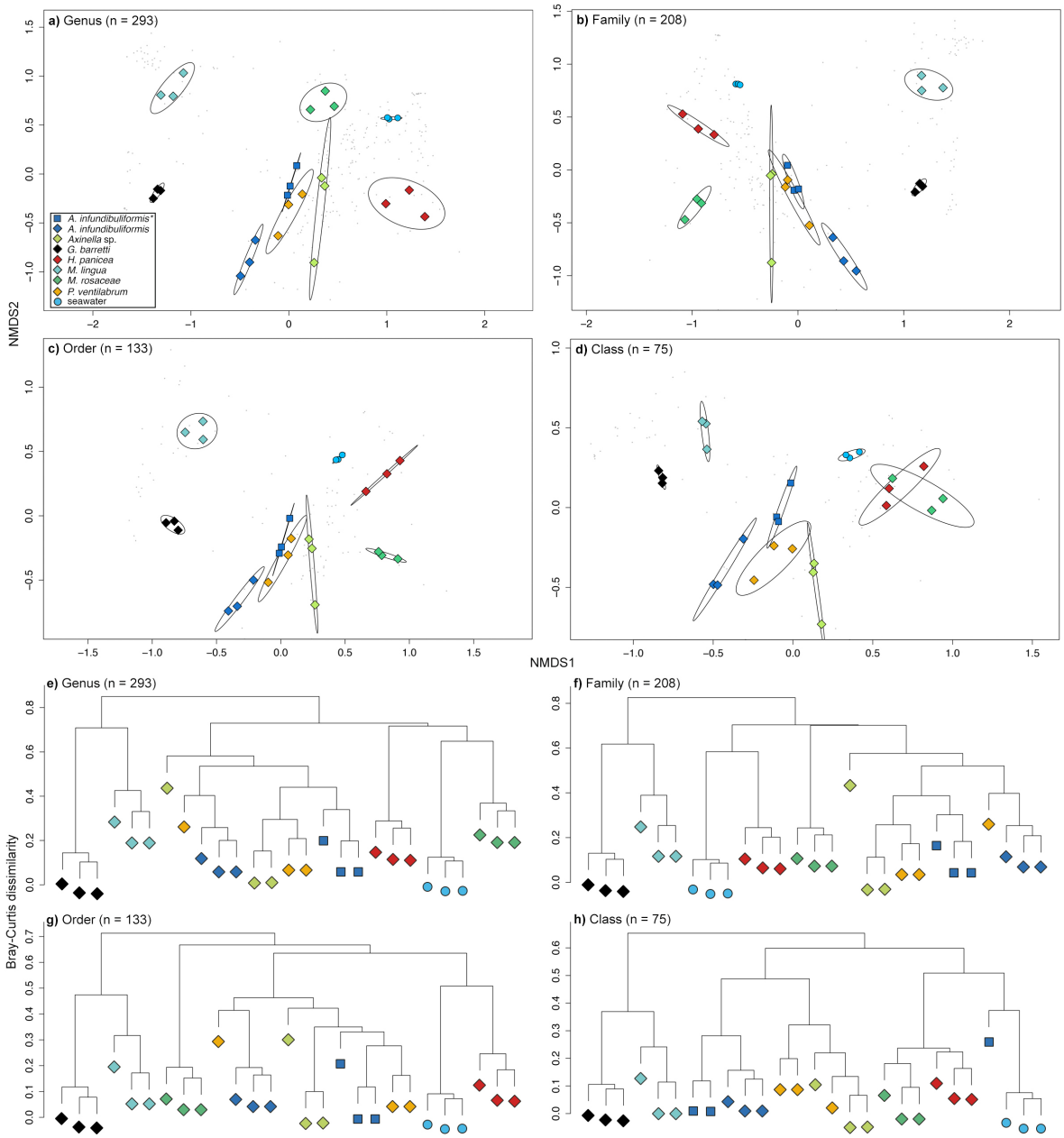
Suppl. Figure 1 Number of average OTU richness and alpha diversity estimates for Shannon and Pielou's Evenness for all sponge and seawater samples. Top, middle, and bottom lines of the boxes represent the 25th, 50th (median), and 75th percentiles, respectively. The end of the whiskers represent the 5th and 95th percentiles, respectively.



Suppl. Figure 2 Relative abundance and diversity of significantly correlated indicator species collapsed to phylum level for the two existing *A. infundibuliformis* groups. For better clarity only phyla with an abundance $\geq$ 0.25% are colorized – a more detailed table with all individual significant OTUs and taxonomic classification down to species level can be found in the Supplementary Table 3.



Suppl. Figure 3. Number of average richness and alpha diversity estimates for Shannon and Pielou's Evenness for all sponge and seawater samples across all high taxonomic ranks. Top, middle, and bottom lines of the boxes represent the 25th, 50th (median), and 75th percentiles, respectively. The end of the whiskers represent the 5th and 95th percentiles, respectively.



Suppl. Figure 4 Additional nMDS and cluster plots for genus, family, order, and class levels. Details are the same as those provided for Figure 3.

Suppl. Table 1 The OTU richness, Shannon diversity and Evenness relationships between *A. infundibuliformis* replicates from two different depths. *df* = degrees of freedom, *F values*, and *p* values.

***A. infundibuliformis* shallow vs. upper twilight**	***Df***	***F* value**	***p* value**
Richness (*S*)	1, 4	75.33	**0.00097**
Shannon (*H*)	1, 4	105.2	**0.00051**
Evenness (*J*)	1, 4	24.14	**0.00797**

Suppl. Table 2 Summary of the indicator species (i.e., OTUs) analysis performed by the function multipatt. Shown are 'Rest' and 'Stat' as values of the statistic for selecting the indicator OTUs. Only OTUs with significant *p* values $\leq$ 0.05 are summarized. In addition for each OTU, Greengenes classification results are added from phylum to species level if available.

Otus	*Phakellia ventilabrum*	Rest	stat	*p value*	Domain	Phylum	Class	Order	Family	Genus	Species
Otu000121	0.9979	1	0.999	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000129	0.6883	1	0.83	0.047	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000139	0.9433	1	0.971	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000342	0.9986	1	0.999	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000359	0.6661	1	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000378	0.9939	1	0.997	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000729	0.7298	1	0.854	0.039	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu001175	0.5978	1	0.773	0.028	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001422	0.8082	1	0.899	0.015	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu001859	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001934	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002228	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002275	0.923	1	0.961	0.002	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002284	0.8205	1	0.906	0.005	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Nitrosomonadaceae	unclassified	unclassified
Otu002516	0.9138	0.6667	0.781	0.026	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	unclassified	unclassified
Otu002524	0.8325	1	0.912	0.015	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu002903	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003144	0.9975	1	0.999	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu003521	0.9444	0.6667	0.793	0.021	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	ntu14	unclassified	unclassified
Otu003537	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003584	0.7387	1	0.859	0.036	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu004161	0.9808	1	0.99	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004353	0.9956	1	0.998	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu004564	0.8302	1	0.911	0.012	Bacteria	Proteobacteria	Deltaproteobacteria	Sva0853	SAR324	unclassified	unclassified
Otu004575	0.8601	1	0.927	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	unclassified	unclassified
Otu004594	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004636	0.8498	0.6667	0.753	0.02	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004850	0.8661	1	0.931	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004972	0.8581	1	0.926	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu005164	0.8121	1	0.901	0.014	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu005169	0.7779	1	0.882	0.017	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu005262	1	0.6667	0.816	0.006	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005425	0.7745	1	0.88	0.025	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu005450	0.9284	0.6667	0.787	0.019	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu005499	1	1	1	0.001	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005626	0.8679	0.6667	0.761	0.031	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005649	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005877	0.738	1	0.859	0.034	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006002	0.7911	1	0.889	0.009	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Nitrospinaceae	Nitrospina	unclassified
Otu006017	0.8781	1	0.937	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006119	0.791	0.6667	0.726	0.036	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006137	0.9389	1	0.969	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu006169	0.8581	0.6667	0.756	0.007	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006271	0.7491	1	0.865	0.034	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	unclassified	unclassified
Otu006316	0.7374	1	0.859	0.038	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu006886	0.7693	1	0.877	0.023	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu006923	0.9376	1	0.968	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007001	0.7473	1	0.864	0.032	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007015	0.7351	1	0.857	0.006	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu007084	0.8537	1	0.924	0.007	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu007097	0.8169	1	0.904	0.009	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007299	0.8241	1	0.908	0.005	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007306	0.9152	1	0.957	0.002	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007812	0.8283	1	0.91	0.011	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007846	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007911	0.7462	1	0.864	0.033	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu008196	0.7909	1	0.889	0.017	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu008208	0.7633	1	0.874	0.023	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu008254	0.7539	1	0.868	0.02	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu008651	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu008760	0.9039	0.6667	0.776	0.008	Bacteria	Planctomycetes	Planctomycetia	unclassified	unclassified	unclassified	unclassified
Otu008875	0.7196	1	0.848	0.02	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu008876	0.8109	1	0.9	0.019	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009043	0.734	1	0.857	0.035	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009079	0.8038	1	0.897	0.018	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009132	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu009210	0.8329	1	0.913	0.012	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009308	0.7856	1	0.886	0.022	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009491	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu009549	0.8887	1	0.943	0.001	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	unclassified	unclassified	unclassified
Otu009610	0.9336	1	0.966	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu009768	0.7826	1	0.885	0.023	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009847	0.8056	1	0.898	0.018	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009849	0.8139	1	0.902	0.011	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009854	0.7761	1	0.881	0.021	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu010012	0.7647	1	0.874	0.016	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu010017	0.8883	1	0.943	0.006	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu010111	0.7235	1	0.851	0.024	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu010153	0.8678	0.6667	0.761	0.006	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu010163	0.7254	1	0.852	0.043	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	unclassified	unclassified
Otu010171	0.9152	0.6667	0.781	0.031	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu010175	0.8147	1	0.903	0.004	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu010210	0.9642	0.6667	0.802	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	pIVWA5
Otu010311	0.7191	1	0.848	0.042	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu010379	0.7401	1	0.86	0.035	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu010426	0.748	1	0.865	0.027	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu010744	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu010996	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu011171	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011429	0.8046	1	0.897	0.016	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu012309	0.7353	1	0.857	0.039	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu012324	0.8147	1	0.903	0.013	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu012362	0.7584	1	0.871	0.023	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu012592	0.8003	1	0.895	0.017	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu012626	0.9186	1	0.958	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu012647	0.8294	1	0.911	0.005	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	unclassified

Otu012657	0.8935	1	0.945	0.002	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Nitrospinaceae	Nitrospina	unclassified
Otu012751	0.8347	1	0.914	0.011	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu012962	0.8693	0.6667	0.761	0.023	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu013185	0.7949	1	0.892	0.01	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	unclassified	unclassified	unclassified
Otu013336	0.8423	0.6667	0.749	0.028	Bacteria	Planctomycetes	OM190	CL500-15	unclassified	unclassified	unclassified
Otu013345	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu013594	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu013658	0.7518	1	0.867	0.03	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu013849	0.7185	1	0.848	0.036	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu014109	0.8615	1	0.928	0.002	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu014309	0.7712	1	0.878	0.022	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu014416	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu014467	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu014468	0.6503	1	0.806	0.036	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu014589	0.7741	1	0.88	0.027	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu014636	1	0.6667	0.816	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu014638	0.6856	1	0.828	0.047	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu014781	0.9362	1	0.968	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu014833	0.8011	1	0.895	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu014951	0.7209	1	0.849	0.046	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu014974	0.8517	1	0.923	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015022	0.7159	1	0.846	0.032	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015057	0.7864	1	0.887	0.025	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015125	0.9602	1	0.98	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015156	0.5876	1	0.767	0.033	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015221	0.8141	1	0.902	0.009	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015239	0.8213	1	0.906	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015370	0.7835	1	0.885	0.015	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015394	0.8792	0.6667	0.766	0.032	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015417	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu015430	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu015492	0.7302	1	0.854	0.014	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu015596	0.8528	1	0.923	0.008	Bacteria	Proteobacteria	Deltaproteobacteria	NB1-j	JTB38	unclassified	unclassified
Otu015681	0.7626	1	0.873	0.022	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015690	0.7935	1	0.891	0.019	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015890	0.813	1	0.902	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu016022	0.8323	1	0.912	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu016057	0.8547	0.6667	0.755	0.029	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	unclassified	unclassified
Otu016238	0.7551	1	0.869	0.035	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu016249	0.7294	1	0.854	0.035	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu016318	0.9135	1	0.956	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Nitrosomonadaceae	unclassified	unclassified
Otu016459	0.9069	1	0.952	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu016531	0.9557	0.6667	0.798	0.006	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	unclassified
Otu016634	0.7368	1	0.858	0.033	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017011	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017262	0.7207	1	0.849	0.034	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu017721	0.8885	0.6667	0.77	0.016	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu017843	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu017894	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu017938	0.9101	1	0.954	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu018271	0.8421	1	0.918	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu018285	0.8333	1	0.913	0.013	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu018361	0.8154	1	0.903	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu018469	0.8126	1	0.901	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018601	0.839	0.6667	0.748	0.035	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu018603	0.8477	1	0.921	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018738	0.8404	1	0.917	0.009	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu018759	0.8929	1	0.945	0.003	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018909	0.7784	1	0.882	0.019	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu018973	0.6752	1	0.822	0.032	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019001	0.7635	1	0.874	0.026	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019011	0.8172	1	0.904	0.018	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019019	0.7781	1	0.882	0.024	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019072	0.6834	1	0.827	0.04	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019079	0.8015	1	0.895	0.014	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019233	0.756	1	0.869	0.031	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019258	0.8038	1	0.897	0.012	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019361	0.8574	1	0.926	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019363	0.9327	1	0.966	0.001	Bacteria	Planctomycetes	Pla3	unclassified	unclassified	unclassified	unclassified
Otu019487	0.7406	1	0.861	0.034	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019508	0.9027	0.6667	0.776	0.016	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019835	0.9368	1	0.968	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu020055	0.8091	0.6667	0.734	0.028	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020560	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu020742	0.8284	1	0.91	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu020753	0.6505	1	0.807	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu020993	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu021005	0.8995	1	0.948	0.003	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu021237	0.7907	1	0.889	0.018	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu021287	0.7286	1	0.854	0.032	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu021359	0.8241	1	0.908	0.013	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu021497	0.8432	0.6667	0.75	0.015	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu021512	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu021575	0.9458	0.6667	0.794	0.006	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu021583	0.9513	0.6667	0.796	0.009	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu021604	0.8765	1	0.936	0.002	Bacteria	SAR406	AB16	Arctic96B-7	A714017	SargSea-WGS	unclassified
Otu021772	0.7898	1	0.889	0.021	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu021858	0.7482	1	0.865	0.041	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu022351	0.8877	1	0.942	0.002	Bacteria	Verrucomicrobia	Pedosphaerae	Arctic97B-4	unclassified	unclassified	unclassified
Otu022881	0.8011	1	0.895	0.013	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu022894	0.7486	1	0.865	0.037	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu023541	0.7786	1	0.882	0.03	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu023649	0.8209	1	0.906	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu023917	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu024304	0.8464	0.6667	0.751	0.043	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu024592	0.7584	1	0.871	0.026	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu024771	0.7473	1	0.864	0.038	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu024937	0.7615	1	0.873	0.03	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu024955	0.8232	1	0.907	0.009	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Nitrosomonadaceae	unclassified	unclassified
Otu025017	0.8392	1	0.916	0.003	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	unclassified	unclassified

Otu025018	0.8919	0.6667	0.771	0.023	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	unclassified	unclassified
Otu025033	0.8084	1	0.899	0.014	Bacteria	Verrucomicrobia	Pedosphaerae	unclassified	unclassified	unclassified	unclassified
Otu025067	0.7379	1	0.859	0.037	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu025148	0.8263	1	0.909	0.015	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu025204	0.6676	1	0.817	0.02	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu025402	0.7854	1	0.886	0.025	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu025503	0.9694	0.6667	0.804	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu025657	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu025663	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu025926	0.7704	1	0.878	0.028	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu026415	0.6983	1	0.836	0.029	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu026519	0.812	1	0.901	0.018	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu026752	0.9567	1	0.978	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu026873	1	1	1	0.001	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu026982	0.7886	1	0.888	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu026986	0.764	1	0.874	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu027228	0.7296	1	0.854	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu027251	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu027941	0.8368	1	0.915	0.016	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu028358	0.7945	1	0.891	0.022	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu028498	0.8532	1	0.924	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu028848	0.7664	1	0.875	0.03	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu029025	0.9334	1	0.966	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu029327	0.8265	1	0.909	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu029546	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu029599	0.8237	1	0.908	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu029646	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu030378	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu030901	0.7696	1	0.877	0.024	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu031597	0.7107	1	0.843	0.046	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu031725	0.9545	1	0.977	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu031773	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu033291	0.7781	1	0.882	0.015	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu033688	0.839	0.6667	0.748	0.029	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu035248	0.82	1	0.906	0.014	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu035838	0.8959	1	0.947	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu036023	0.9914	1	0.996	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036104	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036260	0.7909	1	0.889	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036397	0.9569	1	0.978	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036661	0.9522	1	0.976	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036668	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036734	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036806	0.83	1	0.911	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu037189	0.8241	1	0.908	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu037287	0.7942	1	0.891	0.019	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu038151	0.8636	1	0.929	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu038409	0.9385	0.6667	0.791	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu040608	0.7539	1	0.868	0.027	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu043432	0.8129	1	0.902	0.017	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu044090	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu044442	0.8042	1	0.897	0.008	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu044453	0.8635	1	0.929	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu044732	0.827	1	0.909	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu044910	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu045070	0.8825	1	0.939	0.002	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu046372	0.8662	1	0.931	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu046395	0.769	1	0.877	0.019	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu047308	0.8296	1	0.911	0.017	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu047334	0.7879	1	0.888	0.019	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu047355	0.7171	1	0.847	0.039	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu048080	0.9376	1	0.968	0.002	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu048942	0.7843	1	0.886	0.022	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu049309	0.7725	1	0.879	0.026	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu049800	1	0.6667	0.816	0.013	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu050296	0.9267	0.6667	0.786	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Psychromonadaceae	Psychromonas	unclassified
Otu050832	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu052811	0.6912	1	0.831	0.048	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu054005	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu055242	0.8594	0.6667	0.757	0.007	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu057370	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu057825	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu057963	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu058993	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu059022	0.7996	1	0.894	0.007	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Nisaea	unclassified
Otu061479	0.8871	1	0.942	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu064692	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu066913	0.8057	1	0.898	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu067607	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu068072	0.8161	1	0.903	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu072728	0.8863	0.6667	0.769	0.038	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Rubritalea	unclassified
Otu074070	0.8504	1	0.922	0.006	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu074145	0.8897	0.6667	0.77	0.025	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu075722	0.8619	0.6667	0.758	0.013	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu079526	0.9697	0.6667	0.804	0.006	Bacteria	Proteobacteria	Deltaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu079604	0.9541	1	0.977	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu081386	0.9548	0.6667	0.798	0.006	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu082432	0.8415	1	0.917	0.009	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	unclassified	unclassified
Otu083352	0.9111	0.6667	0.779	0.026	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu090167	0.9914	1	0.996	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu092218	0.8837	0.6667	0.768	0.009	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu093768	0.8645	1	0.93	0.009	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu094642	0.7822	1	0.884	0.02	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu094669	0.8823	1	0.939	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu094777	0.7802	1	0.883	0.023	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu100239	0.8533	1	0.924	0.008	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu107337	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu110882	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu112347	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu115929	0.8772	0.6667	0.765	0.031	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified

Otu116753	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu118238	0.7608	1	0.872	0.033	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Polaribacter	unclassified
Otu119281	0.8665	1	0.931	0.003	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu120666	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	unclassified	unclassified	unclassified
Otu121987	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu122119	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu123464	0.8142	1	0.902	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	Thiohalorhabdales	Thiohalorhabdaceae	unclassified	unclassified
Otu124114	0.9528	1	0.976	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu124607	1	0.6667	0.816	0.013	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu125440	0.8949	1	0.946	0.002	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoracaceae	Bacteriovorax	unclassified
Otu125598	0.8627	0.6667	0.758	0.019	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu125685	0.8935	1	0.945	0.002	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	unclassified
Otu125946	0.8897	0.6667	0.77	0.031	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu126478	0.8173	1	0.904	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu130491	0.6248	1	0.79	0.048	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu130640	0.8465	1	0.92	0.003	Bacteria	Proteobacteria	Alphaproteobacteria	Ellin329	unclassified	unclassified	unclassified
Otu133790	0.9066	1	0.952	0.002	Bacteria	Verrucomicrobia	Pedosphaerae	Arctic97B-4	unclassified	unclassified	unclassified
Otu134560	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu137791	0.9578	1	0.979	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu143398	0.921	0.6667	0.784	0.036	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu143535	0.8383	0.6667	0.748	0.045	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu156948	0.8637	1	0.929	0.004	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	unclassified
Otu175422	0.8524	1	0.923	0.008	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu178604	0.887	1	0.942	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu183235	0.9324	0.6667	0.788	0.025	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu195480	0.9182	0.6667	0.782	0.024	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu199757	0.9375	0.6667	0.791	0.013	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu205951	0.9455	0.6667	0.794	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	unclassified	unclassified
Otu208204	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu212792	1	0.6667	0.816	0.006	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu215056	0.8604	0.6667	0.757	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu217664	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu228123	0.9621	1	0.981	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	AEGEAN_112	unclassified	unclassified
Otu228410	0.9403	1	0.97	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu231175	0.9357	1	0.967	0.002	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	unclassified
Otu232670	0.9276	1	0.963	0.001	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu253916	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu258316	1	0.6667	0.816	0.013	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu275279	0.9274	0.6667	0.786	0.019	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	pIVWA5
Otu319725	0.8864	1	0.942	0.002	Archaea	Euryarchaeota	Thermoplasmata	E2	Marine_group_II	unclassified	unclassified
0.03 Otus	***Myxilla rosacea***	**Rest**	**stat**	***p value***	**Domain**	**Phylum**	**Class**	**Order**	**Family**	**Genus**	**Species**
Otu000022	0.9977	1	0.999	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000368	0.9976	1	0.999	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	unclassified	unclassified	unclassified
Otu000638	0.9437	1	0.971	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu000806	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002056	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Endozoicimonaceae	unclassified	unclassified
Otu002523	0.7497	0.6667	0.707	0.042	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	unclassified	unclassified
Otu002801	1	0.6667	0.816	0.015	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002915	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002980	0.8902	0.6667	0.77	0.03	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Endozoicimonaceae	unclassified	unclassified
Otu003504	0.9985	1	0.999	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004203	0.7974	1	0.893	0.024	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	unclassified
Otu004570	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005253	0.707	1	0.841	0.029	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005343	0.6856	1	0.828	0.032	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Photobacterium	angustum
Otu006034	1	0.6667	0.816	0.015	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	unclassified	unclassified
Otu006475	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006817	0.8017	1	0.895	0.014	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	unclassified	unclassified	unclassified
Otu007313	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Endozoicimonaceae	unclassified	unclassified
Otu007357	0.865	0.6667	0.759	0.049	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007496	0.7324	1	0.856	0.037	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu007928	0.7859	1	0.887	0.016	Bacteria	Actinobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu008008	0.7442	1	0.863	0.019	Bacteria	Actinobacteria	Actinobacteria	unclassified	unclassified	unclassified	unclassified
Otu008061	0.799	0.6667	0.73	0.029	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu008310	0.6942	1	0.833	0.031	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	unclassified
Otu008632	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Endozoicimonaceae	unclassified	unclassified
Otu008828	0.9495	0.6667	0.796	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu008855	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Endozoicimonaceae	unclassified	unclassified
Otu011866	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Endozoicimonaceae	unclassified	unclassified
Otu012379	1	1	1	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio	unclassified
Otu012690	0.87	1	0.933	0.002	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu013094	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu013176	0.8433	1	0.918	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	unclassified	unclassified
Otu016360	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	unclassified	unclassified	unclassified
Otu016409	0.9679	0.6667	0.803	0.009	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu016422	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	unclassified	unclassified	unclassified
Otu016469	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu016565	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu016993	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017696	0.8335	1	0.913	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	unclassified	unclassified
Otu018142	1	0.6667	0.816	0.008	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu018447	0.8354	0.6667	0.746	0.049	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	Clostridium	unclassified
Otu019043	0.772	1	0.879	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu022040	0.8076	1	0.899	0.013	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	unclassified	unclassified	unclassified
Otu022340	0.7946	1	0.891	0.013	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu024307	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu029487	0.9931	1	0.997	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Endozoicimonaceae	unclassified	unclassified
Otu030844	1	0.6667	0.816	0.008	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	unclassified	unclassified
Otu043479	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu050918	0.9146	1	0.956	0.001	Bacteria	Actinobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu052820	0.9775	1	0.989	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu053011	0.7362	1	0.858	0.013	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu055869	0.9929	1	0.996	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu056201	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu065269	0.8272	0.6667	0.743	0.034	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu080389	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu086960	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu109135	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu119155	0.969	1	0.984	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu119408	0.7888	0.6667	0.725	0.043	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Olleya	unclassified

Otu137044	0.8976	1	0.947	0.004	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu139538	0.8622	0.6667	0.758	0.047	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	unclassified	unclassified	unclassified
Otu143840	0.9575	0.6667	0.799	0.015	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu235837	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Endozoicimonaceae	unclassified	unclassified
0.03 Otus	***Mycale lingua***	**Rest**	**stat**	***p value***	**Domain**	**Phylum**	**Class**	**Order**	**Family**	**Genus**	**Species**
Otu000019	1	1	1	0.001	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000027	1	0.6667	0.816	0.011	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000086	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000087	0.866	1	0.931	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000094	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000102	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000112	1	0.6667	0.816	0.008	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000123	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu000125	0.9937	1	0.997	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000137	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	Ktedonobacteria	TK10	unclassified	unclassified	unclassified
Otu000143	1	1	1	0.001	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000159	0.9354	0.6667	0.79	0.014	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	TK06	unclassified	unclassified
Otu000162	0.9941	1	0.997	0.001	Bacteria	Firmicutes	Bacilli	Bacillales	Alicyclobacillaceae	Alicyclobacillus	unclassified
Otu000182	1	0.6667	0.816	0.011	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu000197	1	0.6667	0.816	0.008	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	unclassified	unclassified	unclassified
Otu000203	0.9811	0.6667	0.809	0.008	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	SMB53	unclassified
Otu000214	1	0.6667	0.816	0.011	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu000218	0.7729	1	0.879	0.007	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu000222	1	0.6667	0.816	0.008	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu000230	0.9921	1	0.996	0.001	Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Staphylococcus	haemolyticus
Otu000238	0.9776	1	0.989	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Entotheonellales	Entotheonellaceae	Candidatus_Entotheonelli	unclassified
Otu000240	0.9928	1	0.996	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Erwinia	unclassified
Otu000263	0.9674	1	0.984	0.001	Bacteria	AncK6	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000268	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000277	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000279	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu000299	0.9043	0.6667	0.776	0.029	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000317	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu000318	1	0.6667	0.816	0.008	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu000319	1	0.6667	0.816	0.008	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu000321	0.9387	1	0.969	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	unclassified
Otu000336	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000353	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000359	0.8986	0.6667	0.774	0.018	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000363	0.9772	0.6667	0.807	0.011	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu000383	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000385	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu000388	1	1	1	0.001	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Spirochaetaceae	unclassified	unclassified
Otu000400	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu000415	0.9692	1	0.985	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	unclassified	unclassified
Otu000418	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000427	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000440	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000485	1	0.6667	0.816	0.008	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000496	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000497	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000509	0.9887	1	0.994	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000526	1	0.6667	0.816	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000555	0.9881	1	0.994	0.001	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu000565	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Deltaproteobacteria	Entotheonellales	Entotheonellaceae	unclassified	unclassified
Otu000588	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu000592	0.9913	1	0.996	0.001	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu000593	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000602	0.9732	0.6667	0.805	0.008	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000604	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000622	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000640	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000650	0.9901	0.6667	0.812	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Endozoicimonaceae	unclassified	unclassified
Otu000653	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000661	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000675	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu000679	1	0.6667	0.816	0.008	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu000682	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Deltaproteobacteria	Entotheonellales	Entotheonellaceae	unclassified	unclassified
Otu000689	0.9771	0.6667	0.807	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000708	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu000716	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000718	1	0.6667	0.816	0.011	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000730	0.87	1	0.933	0.004	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu000732	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu000748	1	0.6667	0.816	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000765	1	0.6667	0.816	0.008	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000795	0.9958	1	0.998	0.001	Bacteria	Acidobacteria	Acidobacteria-6	BPC015	unclassified	unclassified	unclassified
Otu000801	0.9599	0.6667	0.8	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000858	0.9962	1	0.998	0.001	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	unclassified
Otu000883	0.9803	0.6667	0.808	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000889	0.9665	0.6667	0.803	0.008	Bacteria	Acidobacteria	Sva0725	Sva0725	unclassified	unclassified	unclassified
Otu000903	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000920	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000941	1	0.6667	0.816	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000945	1	0.6667	0.816	0.011	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu000947	0.9958	1	0.998	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Chromatiaceae	Nitrosococcus	unclassified
Otu000951	0.969	0.6667	0.804	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu000971	1	0.6667	0.816	0.008	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu000979	1	0.6667	0.816	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu000984	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001003	0.9189	1	0.959	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001016	0.8633	0.6667	0.759	0.044	Bacteria	Actinobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001017	1	0.6667	0.816	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001092	0.9861	0.6667	0.811	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001105	1	0.6667	0.816	0.008	Bacteria	Acidobacteria	Sva0725	Sva0725	unclassified	unclassified	unclassified
Otu001161	0.97	1	0.985	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu001180	0.8086	1	0.899	0.007	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu001183	0.9938	1	0.997	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001196	1	0.6667	0.816	0.008	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu001218	0.8572	1	0.926	0.007	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified

Otu001227	0.9399	0.6667	0.792	0.02	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	unclassified	unclassified	unclassified
Otu001242	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	unclassified	unclassified	unclassified
Otu001280	0.9772	0.6667	0.807	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001324	1	0.6667	0.816	0.011	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu001325	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001332	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	Anaerolineae	SBR1031	A4b	unclassified	unclassified
Otu001338	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001342	0.9463	0.6667	0.794	0.015	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001360	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001404	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001417	1	0.6667	0.816	0.011	Bacteria	Actinobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001419	0.9852	0.6667	0.81	0.011	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu001425	1	0.6667	0.816	0.011	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Micrococcaceae	Micrococcus	luteus
Otu001447	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001510	1	0.6667	0.816	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001537	0.5869	1	0.766	0.025	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001547	0.9942	1	0.997	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001549	1	0.6667	0.816	0.011	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu001564	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	TK17	TK18	unclassified	unclassified	unclassified
Otu001566	1	0.6667	0.816	0.008	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001582	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001586	0.853	0.6667	0.754	0.031	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu001589	0.9887	1	0.994	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu001599	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001616	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu001699	0.9859	0.6667	0.811	0.011	Bacteria	Thermi	Deinococci	Deinococcales	Trueperaceae	B-42	unclassified
Otu001716	1	0.6667	0.816	0.011	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu001721	0.9936	1	0.997	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001734	1	0.6667	0.816	0.011	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001737	0.9727	0.6667	0.805	0.008	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu001803	1	0.6667	0.816	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001836	1	1	1	0.001	Bacteria	Poribacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001865	0.8989	1	0.948	0.004	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001913	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001928	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	unclassified	unclassified	unclassified
Otu001954	0.9799	1	0.99	0.001	Bacteria	Acidobacteria	Sva0725	Sva0725	unclassified	unclassified	unclassified
Otu001955	1	0.6667	0.816	0.008	Bacteria	Poribacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001981	1	1	1	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu001988	1	0.6667	0.816	0.008	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu002071	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu002124	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002126	0.9598	0.6667	0.8	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002176	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Enhydrobacter	unclassified
Otu002183	0.898	1	0.948	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu002184	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu002215	0.9565	0.6667	0.799	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu002216	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002246	1	0.6667	0.816	0.008	Bacteria	Actinobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002293	1	0.6667	0.816	0.008	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu002308	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	unclassified	unclassified	unclassified
Otu002420	0.9622	1	0.981	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu002449	1	1	1	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Corynebacteriaceae	Corynebacterium	unclassified
Otu002531	0.8974	0.6667	0.773	0.017	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu002540	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu002569	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002623	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu002736	0.8066	1	0.898	0.007	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu002829	0.9311	1	0.965	0.003	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu002853	1	0.6667	0.816	0.011	Bacteria	Poribacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002934	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu003200	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003264	1	0.6667	0.816	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu003276	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu003298	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu003311	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu003348	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu003357	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu003460	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Deltaproteobacteria	Entotheonellales	Entotheonellaceae	unclassified	unclassified
Otu003596	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu003612	1	0.6667	0.816	0.011	Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	unclassified
Otu003660	1	1	1	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Propionibacteriaceae	Propionibacterium	acnes
Otu003729	0.8853	0.6667	0.768	0.044	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu003834	0.9868	1	0.993	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003837	1	0.6667	0.816	0.008	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	unclassified	unclassified	unclassified
Otu003887	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003905	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003989	0.8884	0.6667	0.77	0.019	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu004221	0.8902	0.6667	0.77	0.023	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu004242	1	0.6667	0.816	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu004379	0.8394	1	0.916	0.007	Bacteria	AncK6	unclassified	unclassified	unclassified	unclassified	unclassified
Otu004529	1	1	1	0.001	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	unclassified	unclassified
Otu004657	1	1	1	0.001	Bacteria	Firmicutes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu004866	1	1	1	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Corynebacteriaceae	Corynebacterium	unclassified
Otu004905	1	0.6667	0.816	0.011	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	pIVWA5
Otu005011	1	0.6667	0.816	0.011	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	unclassified	unclassified
Otu005130	0.996	1	0.998	0.001	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	unclassified	unclassified
Otu005167	1	0.6667	0.816	0.011	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	pIVWA5
Otu005245	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu005312	1	0.6667	0.816	0.011	Bacteria	Poribacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005351	0.9946	1	0.997	0.001	Bacteria	Firmicutes	Bacilli	Turicibacterales	Turicibacteraceae	Turicibacter	unclassified
Otu005353	0.89	0.6667	0.77	0.009	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu005460	0.952	1	0.976	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu005506	1	0.6667	0.816	0.011	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	halodurans
Otu005669	1	1	1	0.001	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Desulfosporosinus	meridiei
Otu005698	0.7191	1	0.848	0.007	Bacteria	Proteobacteria	Deltaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005714	1	0.6667	0.816	0.008	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	TK06	unclassified	unclassified
Otu005880	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005930	0.9577	0.6667	0.799	0.011	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	koll13	unclassified	unclassified
Otu006023	1	1	1	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Micromonosporaceae	unclassified	unclassified
Otu006052	0.9917	1	0.996	0.001	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified

Otu006342	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006397	0.894	1	0.946	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu006628	0.8883	0.6667	0.77	0.025	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu006629	1	0.6667	0.816	0.008	Bacteria	Poribacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu006700	1	1	1	0.001	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu006764	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	TK17	mle1-48	unclassified	unclassified	unclassified
Otu006766	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu006843	0.9913	1	0.996	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006877	1	0.6667	0.816	0.008	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu007053	0.6789	1	0.824	0.012	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007119	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu007127	1	0.6667	0.816	0.011	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007172	0.9328	0.6667	0.789	0.027	Bacteria	Chloroflexi	Ktedonobacteria	TK10	unclassified	unclassified	unclassified
Otu007216	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	Anaerolineae	SBR1031	A4b	unclassified	unclassified
Otu007346	1	0.6667	0.816	0.011	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007442	1	0.6667	0.816	0.011	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu007519	1	0.6667	0.816	0.011	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Desulfosporosinus	meridiei
Otu007702	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu007704	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu007987	0.9896	1	0.995	0.001	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	Clostridium	butyricum
Otu008130	1	0.6667	0.816	0.011	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu008215	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu008383	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu008385	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu008823	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu008986	1	0.6667	0.816	0.008	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu009428	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	Anaerolineae	SBR1031	A4b	unclassified	unclassified
Otu010196	0.9661	0.6667	0.803	0.008	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu010363	1	0.6667	0.816	0.011	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu010775	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu011501	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Deltaproteobacteria	Entotheonellales	Entotheonellaceae	unclassified	unclassified
Otu011505	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu011581	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	unclassified	unclassified
Otu011615	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu012154	0.9589	1	0.979	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu012197	1	0.6667	0.816	0.011	Bacteria	Firmicutes	Clostridia	Clostridiales	Tissierellaceae	Anaerococcus	unclassified
Otu012203	1	1	1	0.001	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Desulfosporosinus	meridiei
Otu012318	1	1	1	0.001	Bacteria	Firmicutes	Bacilli	Bacillales	unclassified	unclassified	unclassified
Otu012912	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu013023	1	0.6667	0.816	0.011	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu013171	1	0.6667	0.816	0.008	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu013468	1	1	1	0.001	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Desulfosporosinus	meridiei
Otu013675	1	0.6667	0.816	0.011	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Micrococcaceae	Micrococcus	luteus
Otu014380	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	unclassified	unclassified
Otu014773	1	0.6667	0.816	0.011	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	unclassified
Otu014909	1	0.6667	0.816	0.011	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Spirochaetaceae	unclassified	unclassified
Otu015008	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	viridiflava
Otu015959	1	1	1	0.001	Bacteria	Bacteroidetes	Rhodothermi	Rhodothermales	Rhodothermaceae	unclassified	unclassified
Otu016008	1	0.6667	0.816	0.008	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu016163	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu016834	0.9203	0.6667	0.783	0.013	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017215	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu017344	1	0.6667	0.816	0.008	Bacteria	Acidobacteria	Acidobacteria-6	BPC015	unclassified	unclassified	unclassified
Otu018060	1	0.6667	0.816	0.011	Bacteria	Gemmatimonadetes	Gemm-4	unclassified	unclassified	unclassified	unclassified
Otu018910	1	0.6667	0.816	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu019053	0.9733	1	0.987	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	mitochondria	unclassified	unclassified
Otu019058	1	0.6667	0.816	0.008	Bacteria	Acidobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu019394	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Erwinia	unclassified
Otu019444	1	1	1	0.001	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Desulfosporosinus	meridiei
Otu019447	1	0.6667	0.816	0.011	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	unclassified	unclassified
Otu019541	1	0.6667	0.816	0.008	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu019660	0.9894	0.6667	0.812	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu019929	1	0.6667	0.816	0.008	Bacteria	Firmicutes	Bacilli	Bacillales	unclassified	unclassified	unclassified
Otu020563	0.9597	0.6667	0.8	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu021231	1	0.6667	0.816	0.011	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Spirochaetaceae	unclassified	unclassified
Otu021346	1	0.6667	0.816	0.008	Bacteria	Acidobacteria	Sva0725	Sva0725	unclassified	unclassified	unclassified
Otu022185	0.8736	1	0.935	0.005	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu022339	0.9729	0.6667	0.805	0.011	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Mycobacteriaceae	Mycobacterium	gordonae
Otu022442	1	0.6667	0.816	0.011	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	SMB53	unclassified
Otu023436	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu025291	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu025695	1	0.6667	0.816	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu026913	0.879	1	0.938	0.005	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu027239	0.9021	0.6667	0.776	0.028	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu027794	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	TK17	TK18	unclassified	unclassified	unclassified
Otu028315	1	0.6667	0.816	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu028411	1	0.6667	0.816	0.011	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu029648	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu029969	0.9581	0.6667	0.799	0.011	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu030099	0.9906	0.6667	0.813	0.008	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	unclassified	unclassified
Otu030101	0.9919	0.6667	0.813	0.011	Bacteria	Firmicutes	Bacilli	Bacillales	Thermoactinomycetaceae	Thermoactinomyces	unclassified
Otu030105	1	0.6667	0.816	0.011	Bacteria	Firmicutes	Bacilli	Bacillales	Thermoactinomycetaceae	Thermoactinomyces	unclassified
Otu030704	1	0.6667	0.816	0.008	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu030915	1	0.6667	0.816	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu032874	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Deltaproteobacteria	Entotheonellales	Entotheonellaceae	Candidatus_Entotheonell	unclassified
Otu034187	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu034705	1	0.6667	0.816	0.011	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu035774	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Erwinia	soli
Otu035842	0.9917	1	0.996	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Erwinia	unclassified
Otu035851	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Erwinia	unclassified
Otu035854	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Erwinia	unclassified
Otu035857	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Erwinia	unclassified
Otu035937	0.9333	0.6667	0.789	0.033	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036294	0.9913	1	0.996	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Agrobacterium	vitis
Otu037095	1	0.6667	0.816	0.011	Bacteria	Acidobacteria	Acidobacteria-6	BPC015	unclassified	unclassified	unclassified
Otu038063	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu038216	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Saccharospirillaceae	ML110J-20	unclassified
Otu042667	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu047721	1	0.6667	0.816	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu049645	1	0.6667	0.816	0.011	Bacteria	Poribacteria	unclassified	unclassified	unclassified	unclassified	unclassified

Otu050922	1	0.6667	0.816	0.011	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Corynebacteriaceae	Corynebacterium	unclassified
Otu051442	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	unclassified	unclassified
Otu058241	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu059160	0.8237	1	0.908	0.015	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu059504	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu061224	1	0.6667	0.816	0.011	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu063036	1	0.6667	0.816	0.011	Bacteria	Poribacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu064746	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu065406	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Psychrobacter	unclassified
Otu066852	1	0.6667	0.816	0.011	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu074553	1	0.6667	0.816	0.011	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Dermabacteraceae	Brachybacterium	unclassified
Otu078401	0.9519	0.6667	0.797	0.008	Bacteria	Proteobacteria	Deltaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu078602	1	0.6667	0.816	0.011	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu084335	0.9819	1	0.991	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	unclassified	unclassified
Otu086029	1	0.6667	0.816	0.008	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	TK06	unclassified	unclassified
Otu089571	1	0.6667	0.816	0.008	Bacteria	Acidobacteria	Sva0725	Sva0725	unclassified	unclassified	unclassified
Otu095236	0.9666	0.6667	0.803	0.011	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu098275	1	0.6667	0.816	0.008	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu124397	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	unclassified	unclassified
Otu126637	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu127672	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu149996	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	unclassified
Otu150471	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu230145	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified

0.03 Otus	***Halichondria panicea***	**Rest**	**stat**	***p value***	**Domain**	**Phylum**	**Class**	**Order**	**Family**	**Genus**	**Species**
Otu000057	1	0.6667	0.816	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000089	0.9952	1	0.998	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu000906	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu001049	0.9239	1	0.961	0.004	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001114	0.9641	1	0.982	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	unclassified	unclassified	unclassified
Otu001187	0.9456	0.6667	0.794	0.014	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Prochlorococcus	unclassified
Otu001339	0.9024	1	0.95	0.002	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu001624	0.8627	1	0.929	0.009	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001655	0.9899	1	0.995	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001724	0.7459	0.6667	0.705	0.05	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001971	0.9194	1	0.959	0.004	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu002012	0.8447	1	0.919	0.007	Bacteria	Cyanobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002055	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002259	0.8257	0.6667	0.742	0.041	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu002649	0.7115	1	0.844	0.026	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu002696	0.8766	1	0.936	0.006	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu002781	0.8512	0.6667	0.753	0.029	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu002906	0.8611	1	0.928	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	Rickettsiella	unclassified
Otu002976	0.9422	1	0.971	0.003	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003331	0.813	1	0.902	0.017	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Candidatus_Aquiluna	rubra
Otu003366	1	0.6667	0.816	0.011	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu003726	1	0.6667	0.816	0.014	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu003761	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu003815	0.8966	0.6667	0.773	0.032	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu003885	1	0.6667	0.816	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003899	0.9844	0.6667	0.81	0.014	Bacteria	Cyanobacteria	Oscillatoriophycideae	Chroococcales	Cyanobacteriaceae	Crocosphaera	unclassified
Otu003911	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003980	0.8201	1	0.906	0.017	Bacteria	Cyanobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu004008	1	1	1	0.001	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	unclassified	unclassified
Otu004084	0.8301	1	0.911	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004873	0.7274	1	0.853	0.033	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu005054	0.8645	1	0.93	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu005305	0.8461	1	0.92	0.002	Bacteria	Cyanobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005414	0.909	1	0.953	0.002	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005461	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu006662	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu006795	0.643	1	0.802	0.049	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu006835	0.8453	0.6667	0.751	0.039	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu007357	0.909	0.6667	0.778	0.014	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007438	0.8893	0.6667	0.77	0.027	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu007464	1	0.6667	0.816	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu007465	0.8103	1	0.9	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Francisellaceae	Francisella	unclassified
Otu007471	0.9545	0.6667	0.798	0.005	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu007477	0.8889	1	0.943	0.005	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu007486	1	0.6667	0.816	0.011	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu007489	0.767	1	0.876	0.024	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu007581	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu007594	0.7713	1	0.878	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu007856	1	1	1	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007928	0.7535	1	0.868	0.02	Bacteria	Actinobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu008007	0.9026	1	0.95	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu008008	0.7534	1	0.868	0.025	Bacteria	Actinobacteria	Actinobacteria	unclassified	unclassified	unclassified	unclassified
Otu008009	1	0.6667	0.816	0.005	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	JdFBGBact	unclassified	unclassified
Otu008010	0.7971	1	0.893	0.021	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu008061	0.8146	1	0.903	0.02	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu008312	0.9456	0.6667	0.794	0.014	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu008461	1	0.6667	0.816	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu009015	0.6923	1	0.832	0.041	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu009021	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu009116	1	0.6667	0.816	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu009321	0.8939	1	0.945	0.003	Bacteria	Proteobacteria	Betaproteobacteria	MWH-UniP1	unclassified	unclassified	unclassified
Otu009458	0.8908	0.6667	0.771	0.019	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu009730	0.8921	0.6667	0.771	0.025	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu010020	0.9522	0.6667	0.797	0.005	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu010024	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu010028	0.9717	0.6667	0.805	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu010098	0.9044	1	0.951	0.006	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu010132	0.8755	1	0.936	0.005	Bacteria	Verrucomicrobia	Spartobacteria	Chthoniobacterales	Chthoniobacteraceae	Candidatus_Xiphinemato	unclassified
Otu010154	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu010182	0.8415	1	0.917	0.005	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu010186	0.9589	0.6667	0.8	0.011	Bacteria	Chlamydiae	Chlamydiia	Chlamydiales	unclassified	unclassified	unclassified
Otu010699	0.919	1	0.959	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Endozoicimonaceae	unclassified	unclassified
Otu010748	0.9018	1	0.95	0.004	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	unclassified	unclassified	unclassified
Otu010810	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011338	1	0.6667	0.816	0.005	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	unclassified	unclassified	unclassified

Otu011340	0.9742	0.6667	0.806	0.005	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	unclassified	unclassified	unclassified
Otu011395	0.8982	1	0.948	0.005	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Flavobacterium	gelidilacus
Otu011878	0.9916	1	0.996	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu012473	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu012504	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu012506	0.9372	0.6667	0.79	0.026	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu012529	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu012538	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu012544	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu012545	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu012546	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu012690	0.7492	1	0.866	0.028	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu013076	0.7732	1	0.879	0.019	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Verrucomicrobium	unclassified
Otu013178	1	0.6667	0.816	0.011	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	unclassified	unclassified
Otu013410	0.9457	0.6667	0.794	0.005	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu013529	0.8056	0.6667	0.733	0.05	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	unclassified	unclassified
Otu013903	0.8536	1	0.924	0.007	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu014237	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	HOC21	unclassified	unclassified
Otu014870	0.8429	1	0.918	0.012	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu014931	0.9445	1	0.972	0.003	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu015046	0.897	1	0.947	0.002	Bacteria	Actinobacteria	Thermoleophilia	unclassified	unclassified	unclassified	unclassified
Otu015359	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu015575	0.9884	1	0.994	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu015666	0.8841	1	0.94	0.006	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu016397	0.7474	1	0.865	0.029	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu016473	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu016720	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu017487	0.8742	0.6667	0.763	0.046	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Bizionia	unclassified
Otu017616	0.8556	0.6667	0.755	0.047	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu017997	0.8657	1	0.93	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Thiotrichaceae	CF-26	unclassified
Otu018022	0.9415	0.6667	0.792	0.014	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Prochlorococcus	unclassified
Otu018556	0.8271	0.6667	0.743	0.037	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu018635	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu018637	0.9914	1	0.996	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu018666	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu018669	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu018701	0.9873	1	0.994	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu019043	0.9414	1	0.97	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu019406	0.9456	0.6667	0.794	0.014	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu019417	0.7482	1	0.865	0.026	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Enterovibrio	unclassified
Otu019701	0.6717	1	0.82	0.012	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu020054	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu020062	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu020069	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020222	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020294	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020299	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020340	0.7703	1	0.878	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020349	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu020357	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020379	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu020382	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu021398	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	unclassified
Otu021420	0.7971	1	0.893	0.012	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Iamiaceae	Iamia	unclassified
Otu022004	0.9483	1	0.974	0.002	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu022092	1	0.6667	0.816	0.005	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Kordia	unclassified
Otu022114	0.8892	1	0.943	0.004	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Bizionia	unclassified
Otu022247	0.9447	0.6667	0.794	0.011	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu022335	0.7431	1	0.862	0.033	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu022340	0.7727	1	0.879	0.024	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu022342	0.8029	1	0.896	0.017	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu022349	0.7601	1	0.872	0.02	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu022548	0.8531	0.6667	0.754	0.048	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu022578	0.9655	1	0.983	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu022590	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Francisellaceae	Francisella	unclassified
Otu022599	0.7144	1	0.845	0.047	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu023097	0.9414	0.6667	0.792	0.022	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu024568	1	0.6667	0.816	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu028777	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu029496	0.9731	0.6667	0.805	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	unclassified	unclassified	unclassified
Otu029742	1	0.6667	0.816	0.005	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu030199	1	0.6667	0.816	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu031052	0.9139	0.6667	0.781	0.031	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu031090	0.7937	1	0.891	0.01	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu032333	0.8594	1	0.927	0.006	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu032338	0.8157	1	0.903	0.015	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu032492	0.7713	1	0.878	0.012	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu032507	0.8297	1	0.911	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu032518	0.8149	0.6667	0.737	0.041	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu032779	1	0.6667	0.816	0.011	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu033793	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu033805	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu033806	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu033818	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu033907	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu033941	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu033957	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu033963	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu033972	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu034001	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu034005	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu034117	0.8022	1	0.896	0.01	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu034811	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu036876	0.9674	0.6667	0.803	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu037505	1	0.6667	0.816	0.011	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu037801	0.9634	0.6667	0.801	0.011	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	JdFBGBact	unclassified	unclassified
Otu038607	0.8477	1	0.921	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu038757	0.9724	0.6667	0.805	0.005	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu039785	0.9343	0.6667	0.789	0.012	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu040705	0.942	0.6667	0.792	0.011	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified

Otu040872	1	0.6667	0.816	0.014	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu040885	1	0.6667	0.816	0.011	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu041217	0.8091	0.6667	0.734	0.047	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu042402	0.8687	0.6667	0.761	0.035	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu046234	0.9832	1	0.992	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu046713	0.9101	0.6667	0.779	0.014	Bacteria	Bacteroidetes	BME43	unclassified	unclassified	unclassified	unclassified
Otu047692	0.861	1	0.928	0.005	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu048512	0.6676	1	0.817	0.039	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	unclassified	unclassified
Otu050063	0.857	0.6667	0.756	0.035	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu050301	1	0.6667	0.816	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu050879	0.9588	1	0.979	0.003	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu050980	0.8697	0.6667	0.761	0.021	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Candidatus_Rhodoluna	unclassified
Otu054295	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu057762	0.9421	1	0.971	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu061741	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu061743	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu061755	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu061781	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu061785	0.9574	0.6667	0.799	0.005	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu061807	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu061808	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu061819	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu061822	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu061970	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu061980	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu061985	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu062090	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu062112	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu062122	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu062217	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu062375	1	0.6667	0.816	0.005	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoracaceae	Bacteriovorax	unclassified
Otu062675	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu064934	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	Rickettsiella	unclassified
Otu065087	0.9447	0.6667	0.794	0.011	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu065251	0.8729	0.6667	0.763	0.037	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065256	0.9035	1	0.951	0.006	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu065269	0.8222	1	0.907	0.011	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065270	0.9116	0.6667	0.78	0.023	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu065295	0.7655	1	0.875	0.02	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065324	0.8681	0.6667	0.761	0.023	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065463	0.8805	0.6667	0.766	0.026	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu065466	0.7462	1	0.864	0.034	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu065485	0.7833	1	0.885	0.016	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065491	0.7905	1	0.889	0.017	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065711	0.751	1	0.867	0.023	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu065753	0.7848	0.6667	0.723	0.041	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu066075	0.9025	0.6667	0.776	0.028	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu074610	0.9367	1	0.968	0.004	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu075893	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu076847	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu077031	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu077085	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu077191	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu077193	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu077213	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu077287	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu078921	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu078929	0.8154	1	0.903	0.012	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu080353	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	unclassified	unclassified	unclassified
Otu081116	0.8191	1	0.905	0.01	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu083441	1	0.6667	0.816	0.005	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu085558	0.9267	0.6667	0.786	0.013	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae	Shewanella	benthica
Otu090207	0.9574	0.6667	0.799	0.005	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu116819	1	0.6667	0.816	0.011	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Aquimarina	unclassified
Otu118220	0.9538	0.6667	0.797	0.011	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu118546	0.8752	0.6667	0.764	0.045	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Lacinutrix	unclassified
Otu118578	1	0.6667	0.816	0.005	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu118697	0.9073	0.6667	0.778	0.014	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu118721	0.717	1	0.847	0.023	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu118799	0.9507	0.6667	0.796	0.014	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu118860	0.7797	1	0.883	0.013	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu118921	0.8021	1	0.896	0.018	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu119125	0.8538	1	0.924	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu119137	0.7555	1	0.869	0.027	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu119267	0.9759	0.6667	0.807	0.005	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Lutimonas	unclassified
Otu119289	0.8021	0.6667	0.731	0.048	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu119600	0.8082	1	0.899	0.008	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu124474	0.9371	0.6667	0.79	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu125663	0.9428	0.6667	0.793	0.014	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu125781	0.8676	0.6667	0.761	0.023	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu127166	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu129230	1	0.6667	0.816	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu129888	0.8429	1	0.918	0.006	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	unclassified	unclassified	unclassified
Otu130882	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu132281	0.9623	0.6667	0.801	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu132385	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu133109	0.9164	0.6667	0.782	0.026	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu133300	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu133390	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu133739	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu133956	0.9199	1	0.959	0.002	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu133965	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu133995	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu134010	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu134025	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu134126	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu138929	0.9415	0.6667	0.792	0.014	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Erythrobacter	longus
Otu148755	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu148788	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu148824	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified

Otu148837	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu150962	0.8251	0.6667	0.742	0.036	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu159004	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu159759	0.9538	0.6667	0.797	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu164042	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu175966	0.6845	1	0.827	0.03	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Paulinella	unclassified
Otu176233	0.9059	0.6667	0.777	0.022	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu177691	0.9749	1	0.987	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Pseudoruegeria	unclassified
Otu179324	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu179638	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu179664	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu183356	0.8621	0.6667	0.758	0.025	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu183602	0.8247	0.6667	0.741	0.047	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu183635	1	0.6667	0.816	0.011	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu183683	0.8384	0.6667	0.748	0.046	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu185412	1	0.6667	0.816	0.011	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu193423	1	0.6667	0.816	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu195714	1	0.6667	0.816	0.011	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu195811	1	0.6667	0.816	0.014	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu222130	0.8894	0.6667	0.77	0.022	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu227006	0.846	1	0.92	0.01	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu227591	0.7986	0.6667	0.73	0.049	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu232398	0.902	0.6667	0.775	0.025	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu234677	0.9401	0.6667	0.792	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu243356	1	0.6667	0.816	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu246002	0.9509	0.6667	0.796	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu252609	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
0.03 Otus	***Geodia barretti***	**Rest**	**stat**	***p value***	**Domain**	**Phylum**	**Class**	**Order**	**Family**	**Genus**	**Species**
Otu000087	0.9083	1	0.953	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000142	0.9082	1	0.953	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu000159	0.7813	1	0.884	0.004	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	TK06	unclassified	unclassified
Otu000218	0.9495	1	0.974	0.001	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu000292	0.9967	1	0.998	0.001	Bacteria	Acidobacteria	Acidobacteria-6	BPC015	unclassified	unclassified	unclassified
Otu000299	0.8713	0.6667	0.762	0.033	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000408	0.9424	0.6667	0.793	0.014	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000474	1	1	1	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu000488	0.9953	1	0.998	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000527	0.9817	1	0.991	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu000531	0.9551	1	0.977	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000540	0.9662	1	0.983	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000543	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000549	0.9724	1	0.986	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000607	1	1	1	0.001	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000629	0.9485	1	0.974	0.002	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu000698	0.9742	1	0.987	0.001	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu000730	0.9054	1	0.952	0.002	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu000762	0.993	1	0.996	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu000773	0.9978	1	0.999	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000799	0.9976	1	0.999	0.001	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu000800	0.9367	1	0.968	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000886	0.9714	1	0.986	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu000887	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio	unclassified
Otu000898	0.968	1	0.984	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu000915	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000937	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu000969	0.9608	1	0.98	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu000990	0.9416	1	0.97	0.001	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu001002	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001003	0.8496	1	0.922	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001016	0.9102	1	0.954	0.002	Bacteria	Actinobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001041	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001073	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001108	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	SBR1031	A4b	unclassified	unclassified
Otu001135	0.9963	1	0.998	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001180	0.9381	1	0.969	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu001192	0.9714	1	0.986	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001212	0.9967	1	0.998	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Entotheonellales	Entotheonellaceae	unclassified	unclassified
Otu001218	0.9143	1	0.956	0.001	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001237	1	1	1	0.001	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu001257	1	0.6667	0.816	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu001266	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001340	0.9938	1	0.997	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001342	0.7335	1	0.856	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001408	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu001434	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001449	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001450	0.9393	1	0.969	0.002	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001478	1	0.6667	0.816	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu001509	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001514	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu001523	1	1	1	0.001	Bacteria	Actinobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001537	0.9783	1	0.989	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001560	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu001586	0.9168	1	0.958	0.002	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu001666	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001737	0.6425	0.6667	0.654	0.044	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu001752	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001757	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu001767	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Saccharospirillaceae	ML110J-20	unclassified
Otu001826	0.9967	1	0.998	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001849	0.9563	0.6667	0.798	0.006	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu001865	0.878	1	0.937	0.006	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001871	0.988	1	0.994	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001890	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001909	0.9598	0.6667	0.8	0.006	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu001950	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Rhodothermi	Rhodothermales	Rhodothermaceae	unclassified	unclassified
Otu002058	0.8686	0.6667	0.761	0.028	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002061	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002088	0.9902	1	0.995	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu002094	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified

Otu002115	1	0.6667	0.816	0.01	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales	Gaiellaceae	unclassified	unclassified
Otu002123	0.9879	1	0.994	0.001	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu002134	0.9793	1	0.99	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu002146	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002151	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu002183	0.8791	1	0.938	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu002187	0.9718	1	0.986	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	unclassified	unclassified	unclassified
Otu002188	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002289	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002297	0.9838	1	0.992	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu002298	1	0.6667	0.816	0.006	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu002366	0.9585	1	0.979	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002384	1	1	1	0.001	Bacteria	Acidobacteria	BPC102	B110	unclassified	unclassified	unclassified
Otu002408	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu002409	1	1	1	0.001	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002503	1	0.6667	0.816	0.006	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002531	0.8798	0.6667	0.766	0.035	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu002534	0.9878	1	0.994	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu002582	1	0.6667	0.816	0.008	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002597	1	0.6667	0.816	0.01	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu002609	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002642	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu002663	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Saccharospirillaceae	ML110J-20	unclassified
Otu002664	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu002698	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu002728	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu002732	0.9305	0.6667	0.788	0.021	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu002736	0.9388	1	0.969	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu002829	0.8257	1	0.909	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu002834	0.9033	0.6667	0.776	0.028	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002860	1	0.6667	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002902	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002984	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu003012	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu003023	1	1	1	0.001	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003048	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu003117	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu003169	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu003240	1	1	1	0.001	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003291	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003307	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003363	1	0.6667	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003371	1	1	1	0.001	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu003380	1	0.6667	0.816	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu003414	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003449	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio	unclassified
Otu003496	1	0.6667	0.816	0.006	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu003611	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu003701	0.9785	1	0.989	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003729	0.8924	0.6667	0.771	0.017	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu003904	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu003923	1	0.6667	0.816	0.01	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu003930	1	1	1	0.001	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu003935	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003989	0.8894	1	0.943	0.003	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu004219	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu004221	0.8876	0.6667	0.769	0.031	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu004232	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu004240	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu004250	1	1	1	0.001	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu004304	0.9457	0.6667	0.794	0.021	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu004308	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu004327	1	0.6667	0.816	0.01	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu004337	1	0.6667	0.816	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu004340	0.9066	0.6667	0.777	0.028	Bacteria	Proteobacteria	Deltaproteobacteria	Entotheonellales	Entotheonellaceae	unclassified	unclassified
Otu004341	1	0.6667	0.816	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu004379	0.9245	1	0.962	0.001	Bacteria	AncK6	unclassified	unclassified	unclassified	unclassified	unclassified
Otu004394	0.9936	1	0.997	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu004403	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu004406	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu004762	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004789	1	1	1	0.001	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu004823	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu004828	0.972	1	0.986	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu004964	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu004974	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu004976	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu005118	0.9233	0.6667	0.785	0.027	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu005120	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu005122	1	0.6667	0.816	0.006	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu005126	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu005166	1	1	1	0.001	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu005175	1	0.6667	0.816	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu005221	1	1	1	0.001	Bacteria	Actinobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005229	1	1	1	0.001	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005230	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu005241	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu005283	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005296	0.985	1	0.992	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005345	1	0.6667	0.816	0.01	Bacteria	Gemmatimonadetes	Gemm-4	unclassified	unclassified	unclassified	unclassified
Otu005346	0.9978	1	0.999	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005353	0.8878	1	0.942	0.003	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu005411	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	Ktedonobacteria	unclassified	unclassified	unclassified	unclassified
Otu005460	0.7634	1	0.874	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu005509	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu005511	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu005534	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	unclassified	unclassified	unclassified
Otu005543	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005596	0.9352	0.6667	0.79	0.018	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu005624	0.9451	1	0.972	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified

Otu005681	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Ellin329	unclassified	unclassified	unclassified
Otu005698	0.9615	1	0.981	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005811	0.9905	1	0.995	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu005893	1	0.6667	0.816	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu005933	0.9433	1	0.971	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu006051	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	SBR1031	A4b	unclassified	unclassified
Otu006054	1	0.6667	0.816	0.01	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu006103	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu006115	0.9575	1	0.979	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006117	0.9807	1	0.99	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006259	1	1	1	0.001	Bacteria	Chloroflexi	TK17	TK18	unclassified	unclassified	unclassified
Otu006335	0.9333	0.6667	0.789	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu006357	1	0.6667	0.816	0.006	Bacteria	Chloroflexi	TK17	mle1-48	unclassified	unclassified	unclassified
Otu006397	0.8835	1	0.94	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu006474	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006485	1	1	1	0.001	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu006503	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	Anaerolineae	SBR1031	A4b	unclassified	unclassified
Otu006517	1	1	1	0.001	Bacteria	Chloroflexi	Ktedonobacteria	TK10	unclassified	unclassified	unclassified
Otu006526	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu006596	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu006628	0.8895	1	0.943	0.004	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu006746	1	1	1	0.001	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Spirochaetaceae	unclassified	unclassified
Otu006932	1	0.6667	0.816	0.006	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu006947	1	1	1	0.001	Bacteria	Acidobacteria	TM1	unclassified	unclassified	unclassified	unclassified
Otu006982	0.9792	1	0.99	0.001	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Spirochaetaceae	unclassified	unclassified
Otu006993	0.9278	0.6667	0.786	0.032	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu007049	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007050	1	0.6667	0.816	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007053	0.9648	1	0.982	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007080	0.9927	1	0.996	0.001	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu007107	1	0.6667	0.816	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007155	1	0.6667	0.816	0.006	Bacteria	Acidobacteria	BPC102	B110	unclassified	unclassified	unclassified
Otu007180	1	1	1	0.001	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007207	0.9925	1	0.996	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu007214	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	SBR1031	A4b	unclassified	unclassified
Otu007553	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu007761	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu007770	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu007792	0.9233	0.6667	0.785	0.027	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu007813	1	0.6667	0.816	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007855	1	1	1	0.001	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu007879	1	0.6667	0.816	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007892	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu007921	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu007963	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu007996	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu008193	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu008241	1	1	1	0.001	Bacteria	Verrucomicrobia	Opitutae	unclassified	unclassified	unclassified	unclassified
Otu008254	0.89	1	0.943	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu008336	1	0.6667	0.816	0.006	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu008384	0.9553	1	0.977	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu008388	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu008411	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu008662	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu008801	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu008810	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu009004	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu009048	1	0.6667	0.816	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009060	1	0.6667	0.816	0.01	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu009072	1	0.6667	0.816	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009073	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu009188	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu009200	1	0.6667	0.816	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu009239	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu009295	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu009297	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio	unclassified
Otu009318	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu009325	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu009415	1	0.6667	0.816	0.01	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu009482	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu009505	1	0.6667	0.816	0.006	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu009786	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu009789	0.9924	1	0.996	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu009850	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu009997	1	0.6667	0.816	0.01	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu010089	1	0.6667	0.816	0.006	Bacteria	Chloroflexi	TK17	TK18	unclassified	unclassified	unclassified
Otu010091	1	1	1	0.001	Bacteria	Acidobacteria	BPC102	B110	unclassified	unclassified	unclassified
Otu010093	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu010105	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu010194	1	0.6667	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu010318	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu010347	1	0.6667	0.816	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu010361	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu010461	1	1	1	0.001	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu010462	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu010465	1	0.6667	0.816	0.006	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu010501	1	1	1	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu010560	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu010725	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu010778	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu010871	1	0.6667	0.816	0.006	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	koll13	unclassified	unclassified
Otu010923	1	0.6667	0.816	0.008	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu010973	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu010980	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu011018	0.9807	1	0.99	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu011105	1	0.6667	0.816	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu011264	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu011327	0.9337	0.6667	0.789	0.031	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu011364	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu011486	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified

Otu011513	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu011577	1	0.6667	0.816	0.006	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu011662	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011688	0.9669	1	0.983	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011702	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011983	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-5	unclassified	unclassified	unclassified	unclassified
Otu012092	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu012154	0.7327	1	0.856	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu012180	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu012186	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu012244	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	unclassified	unclassified	unclassified
Otu012313	0.9379	0.6667	0.791	0.011	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu012314	1	1	1	0.001	Bacteria	Acidobacteria	BPC102	B110	unclassified	unclassified	unclassified
Otu012394	1	0.6667	0.816	0.008	Bacteria	Thermi	Deinococci	Deinococcales	unclassified	unclassified	unclassified
Otu012775	1	0.6667	0.816	0.01	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu012827	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu012836	1	0.6667	0.816	0.006	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu012858	1	0.6667	0.816	0.01	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu012866	1	1	1	0.001	Bacteria	Poribacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu012996	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	BPC015	unclassified	unclassified	unclassified
Otu013018	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu013067	1	0.6667	0.816	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu013106	0.9473	1	0.973	0.001	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu013115	1	0.6667	0.816	0.01	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu013143	1	0.6667	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu013174	1	0.6667	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu013255	0.9831	1	0.992	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu013316	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu013343	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu013695	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu013873	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu014388	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu014582	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu014788	1	1	1	0.001	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu014948	0.9552	1	0.977	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu014966	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu015061	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu015087	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu015093	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	SBR1031	A4b	unclassified	unclassified
Otu015107	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu015140	1	0.6667	0.816	0.01	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu015153	0.9451	0.6667	0.794	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015227	1	1	1	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio	unclassified
Otu015363	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu015522	1	1	1	0.001	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu015542	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu015656	1	0.6667	0.816	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu015717	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu015718	0.9902	1	0.995	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu015726	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu015776	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu015854	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	unclassified	unclassified	unclassified
Otu015970	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu015988	0.9253	1	0.962	0.002	Bacteria	Chloroflexi	TK17	TK18	unclassified	unclassified	unclassified
Otu016131	1	0.6667	0.816	0.006	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu016137	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu016254	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu016346	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu016363	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu016418	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu016544	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu016621	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu016725	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu016735	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	Acidobacteria-6	BPC015	unclassified	unclassified	unclassified
Otu016736	1	1	1	0.001	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu016834	0.7886	1	0.888	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu016876	0.9523	0.6667	0.797	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu016987	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017006	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017043	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	unclassified	unclassified
Otu017063	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017136	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017229	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu017274	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu017359	1	1	1	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu017415	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu017418	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu017421	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu017424	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu017430	1	1	1	0.001	Bacteria	Acidobacteria	BPC102	B110	unclassified	unclassified	unclassified
Otu017564	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017900	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017903	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017912	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017937	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017956	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu018057	1	1	1	0.001	Bacteria	AncK6	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018238	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu018302	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu018501	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu018526	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu018572	1	1	1	0.001	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu018619	0.934	0.6667	0.789	0.029	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu018749	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018925	1	0.6667	0.816	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019007	1	1	1	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu019184	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu019253	0.9318	1	0.965	0.001	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu019270	1	0.6667	0.816	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019282	1	1	1	0.001	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified

Otu019326	1	0.6667	0.816	0.01	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	koll13	unclassified	unclassified
Otu019592	0.8604	1	0.928	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019620	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu019696	0.896	1	0.947	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu019708	0.9838	1	0.992	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu020239	0.9233	0.6667	0.785	0.027	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu020247	1	0.6667	0.816	0.006	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu020279	0.9255	1	0.962	0.002	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu020420	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu020429	1	0.6667	0.816	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu020867	1	0.6667	0.816	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu020893	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio	unclassified
Otu021184	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu021249	1	1	1	0.001	Bacteria	Acidobacteria	BPC102	B110	unclassified	unclassified	unclassified
Otu021347	1	0.6667	0.816	0.01	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu021446	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	TK06	unclassified	unclassified
Otu021474	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu021487	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	TK17	TK18	unclassified	unclassified	unclassified
Otu021542	1	1	1	0.001	Bacteria	Acidobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu021732	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Rhodothermi	Rhodothermales	Rhodothermaceae	unclassified	unclassified
Otu021844	1	0.6667	0.816	0.006	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu022185	0.9026	1	0.95	0.002	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu022652	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu022745	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu022951	0.9905	1	0.995	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu023058	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu023235	1	1	1	0.001	Bacteria	Acidobacteria	BPC102	B110	unclassified	unclassified	unclassified
Otu023462	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu023547	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu023568	0.9278	0.6667	0.786	0.032	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu023573	1	0.6667	0.816	0.008	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu023859	0.9722	1	0.986	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu023860	0.9893	1	0.995	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu024193	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu024256	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu024409	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu024436	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu024538	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu024696	1	1	1	0.001	Bacteria	Acidobacteria	BPC102	B110	unclassified	unclassified	unclassified
Otu024698	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	BPC015	unclassified	unclassified	unclassified
Otu024743	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu024999	1	1	1	0.001	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu025002	1	1	1	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu025434	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	unclassified	unclassified
Otu025444	1	1	1	0.001	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu025446	1	0.6667	0.816	0.01	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu025486	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-5	unclassified	unclassified	unclassified	unclassified
Otu025489	0.9899	1	0.995	0.001	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu025515	1	0.6667	0.816	0.006	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu025567	1	0.6667	0.816	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu025591	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu025595	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu025626	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu025646	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu025678	0.9479	1	0.974	0.002	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu026006	1	1	1	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu026396	0.9891	1	0.995	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu026419	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio	unclassified
Otu026421	1	1	1	0.001	Bacteria	Acidobacteria	BPC102	B110	unclassified	unclassified	unclassified
Otu026600	1	1	1	0.001	Bacteria	Chloroflexi	TK17	mle1-48	unclassified	unclassified	unclassified
Otu026731	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu026860	0.9314	0.6667	0.788	0.021	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu026912	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu026913	0.8912	1	0.944	0.003	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu027219	0.9549	1	0.977	0.001	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu027239	0.8741	0.6667	0.763	0.035	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu027374	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	BPC102	B110	unclassified	unclassified	unclassified
Otu027600	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu027719	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu027856	1	1	1	0.001	Bacteria	Acidobacteria	BPC102	B110	unclassified	unclassified	unclassified
Otu027869	1	1	1	0.001	Bacteria	Chloroflexi	Ktedonobacteria	TK10	unclassified	unclassified	unclassified
Otu028013	1	1	1	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio	unclassified
Otu028068	1	1	1	0.001	Bacteria	Poribacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu028164	1	0.6667	0.816	0.01	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu028178	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu028265	1	0.6667	0.816	0.01	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu028376	1	1	1	0.001	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu028396	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu028475	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu028757	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	unclassified	unclassified	unclassified	unclassified
Otu028769	1	0.6667	0.816	0.006	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu028814	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	SBR1031	A4b	unclassified	unclassified
Otu028876	1	0.6667	0.816	0.006	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu028882	1	0.6667	0.816	0.006	Bacteria	Actinobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu029034	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu029889	1	0.6667	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu029896	1	0.6667	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu029927	0.9451	1	0.972	0.002	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu029952	1	0.6667	0.816	0.008	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu030239	1	0.6667	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu030276	1	0.6667	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu030472	0.9337	0.6667	0.789	0.031	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu030485	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu030505	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu030765	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu030780	1	0.6667	0.816	0.006	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu030895	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu031795	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu032171	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu032207	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified

Otu032449	1	0.6667	0.816	0.01	Bacteria	Gemmatimonadetes	Gemm-4	unclassified	unclassified	unclassified	unclassified
Otu032524	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu032705	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu032733	0.9948	1	0.997	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu032792	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu032807	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu032812	1	0.6667	0.816	0.006	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu033030	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu033511	0.9877	1	0.994	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu033899	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu034261	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu034313	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	unclassified	unclassified	unclassified
Otu034343	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu034355	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu034620	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu034801	1	0.6667	0.816	0.01	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu034804	1	0.6667	0.816	0.008	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu034897	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu035239	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu035809	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu035890	1	1	1	0.001	Bacteria	Acidobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036143	1	0.6667	0.816	0.006	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036511	1	1	1	0.001	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu036849	1	0.6667	0.816	0.006	Bacteria	Acidobacteria	Acidobacteria-6	BPC015	unclassified	unclassified	unclassified
Otu037081	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu037141	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu037587	1	0.6667	0.816	0.006	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu037639	1	0.6667	0.816	0.006	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu038038	1	0.6667	0.816	0.01	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu038356	1	0.6667	0.816	0.01	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	koll13	unclassified	unclassified
Otu038538	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu039735	1	0.6667	0.816	0.006	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu040190	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu041752	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu042715	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu043864	1	0.6667	0.816	0.01	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu044635	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu045735	1	0.6667	0.816	0.01	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu045881	1	0.6667	0.816	0.006	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu046200	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu046379	1	1	1	0.001	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu046468	0.9221	0.6667	0.784	0.029	Bacteria	AncK6	unclassified	unclassified	unclassified	unclassified	unclassified
Otu047109	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu047906	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu047947	1	0.6667	0.816	0.006	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu047995	1	1	1	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu048113	1	0.6667	0.816	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu048443	1	0.6667	0.816	0.006	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu049062	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu049315	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	unclassified	unclassified	unclassified	unclassified
Otu050236	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu050799	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	unclassified	unclassified
Otu052518	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu052543	1	0.6667	0.816	0.01	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu052785	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu054016	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu054245	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu054429	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu054439	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu054478	0.9685	1	0.984	0.002	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu054556	1	1	1	0.001	Bacteria	Chloroflexi	Anaerolineae	SBR1031	A4b	unclassified	unclassified
Otu054641	0.9233	0.6667	0.785	0.027	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu054967	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu055025	0.9221	0.6667	0.784	0.029	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu055113	0.934	0.6667	0.789	0.029	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu055538	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu055916	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu057124	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu057437	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu058168	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu058175	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu058178	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu058364	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-5	unclassified	unclassified	unclassified	unclassified
Otu058369	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu058683	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu058746	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu059092	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu059116	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu059160	0.9214	1	0.96	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu059470	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu060515	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu061188	1	0.6667	0.816	0.006	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu061561	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu062589	1	0.6667	0.816	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu062877	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu063863	1	0.6667	0.816	0.006	Bacteria	Acidobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu064067	1	0.6667	0.816	0.006	Bacteria	AncK6	unclassified	unclassified	unclassified	unclassified	unclassified
Otu064721	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu065628	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	unclassified	unclassified	unclassified
Otu065915	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu066353	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	unclassified	unclassified	unclassified
Otu066808	1	1	1	0.001	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu066834	1	0.6667	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu066915	0.9249	0.6667	0.785	0.022	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu066955	1	1	1	0.001	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu067100	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Deltaproteobacteria	NB1-j	MND4	unclassified	unclassified
Otu067136	0.9195	0.6667	0.783	0.021	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu067545	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu067842	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu068419	1	0.6667	0.816	0.006	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified

Otu068977	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineaceae	unclassified	unclassified
Otu069761	1	0.6667	0.816	0.008	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu071686	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu071807	1	0.6667	0.816	0.006	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu072082	1	0.6667	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu072696	1	0.6667	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu074350	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu074491	1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu077926	1	0.6667	0.816	0.01	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu078415	1	1	1	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophobacteraceae	unclassified	unclassified
Otu080882	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu080916	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu081851	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-5	unclassified	unclassified	unclassified	unclassified
Otu081868	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu081891	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu081909	1	0.6667	0.816	0.006	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu081916	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu081926	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu081955	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-5	unclassified	unclassified	unclassified	unclassified
Otu081981	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	Acidobacteria-6	unclassified	unclassified	unclassified	unclassified
Otu082306	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu082308	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu083047	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu083244	1	1	1	0.001	Bacteria	Chloroflexi	unclassified	unclassified	unclassified	unclassified	unclassified
Otu084490	1	0.6667	0.816	0.01	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	TK06	unclassified	unclassified
Otu086237	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu087663	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu087743	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu088389	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu089033	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu090202	1	1	1	0.001	Bacteria	Chloroflexi	TK17	mle1-48	unclassified	unclassified	unclassified
Otu090684	1	0.6667	0.816	0.006	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu091490	1	1	1	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu091762	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu092093	0.9305	0.6667	0.788	0.021	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu092975	1	0.6667	0.816	0.006	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu093045	1	0.6667	0.816	0.008	Bacteria	AncK6	unclassified	unclassified	unclassified	unclassified	unclassified
Otu094674	1	1	1	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu095692	0.9912	1	0.996	0.001	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu095794	1	0.6667	0.816	0.01	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu095941	1	1	1	0.001	Bacteria	Acidobacteria	Sva0725	Sva0725	unclassified	unclassified	unclassified
Otu100591	1	0.6667	0.816	0.01	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu100690	1	0.6667	0.816	0.006	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu101503	1	0.6667	0.816	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu102198	1	0.6667	0.816	0.01	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu103320	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu104303	1	0.6667	0.816	0.01	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu104786	1	0.6667	0.816	0.006	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu105391	1	0.6667	0.816	0.008	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu105881	1	0.6667	0.816	0.01	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu106823	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu108190	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu108513	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu109147	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu109649	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu109759	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu110757	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu111040	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu111332	0.9682	1	0.984	0.002	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu111424	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu112139	0.9166	0.6667	0.782	0.028	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu112548	1	0.6667	0.816	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu113370	1	1	1	0.001	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu114863	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Deltaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu116006	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu116356	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu118502	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu120008	1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu121005	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu121830	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu122093	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu123259	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu123340	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu123529	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu123890	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu124382	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu125066	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu125168	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu125264	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu126446	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu126721	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu127190	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu128486	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu129588	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu130350	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu135077	0.9314	0.6667	0.788	0.021	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu135313	1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu135352	1	0.6667	0.816	0.01	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu136565	1	0.6667	0.816	0.01	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu136790	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu139218	1	1	1	0.001	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu139835	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu140864	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu141923	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu145500	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu149687	1	0.6667	0.816	0.01	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu161677	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu166126	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu171653	1	0.6667	0.816	0.01	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu174830	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified

Otu179948		1	0.6667	0.816	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu181526		1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu191352		1	0.6667	0.816	0.006	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu194626		1	0.6667	0.816	0.008	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu194675		1	0.6667	0.816	0.008	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu194734		1	0.6667	0.816	0.01	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu196702		1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu196942		1	1	1	0.001	Bacteria	Poribacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu199560		1	0.6667	0.816	0.008	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu201482		1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu204134		1	0.6667	0.816	0.01	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu204390		1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu207449		1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu207884		1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu209163		1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu209321		1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu213906		1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu214615		1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu216763		1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu218337		1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu218453		1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu237587		1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu241283		1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu248385		1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu248881		1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	unclassified	unclassified	unclassified
Otu248960		1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu250950		1	0.6667	0.816	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu252816		1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu253868		1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu254572		1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu255850		1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu257222		1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu259932		1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu265891		1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu266239		1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu274609		1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu275296		1	1	1	0.001	Bacteria	Gemmatimonadetes	Gemm-1	unclassified	unclassified	unclassified	unclassified
Otu281405		0.9233	0.6667	0.785	0.027	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu281446		1	1	1	0.001	Bacteria	Acidobacteria	EC1113	unclassified	unclassified	unclassified	unclassified
Otu281477		1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu282073		1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu282080		1	0.6667	0.816	0.006	Bacteria	Acidobacteria	PAUC37f	unclassified	unclassified	unclassified	unclassified
Otu296869		1	0.6667	0.816	0.01	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu299511		1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu304478		1	0.6667	0.816	0.01	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu306281		1	1	1	0.001	Bacteria	Acidobacteria	Solibacteres	Solibacterales	PAUC26f	unclassified	unclassified
Otu311528		1	0.6667	0.816	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	unclassified	unclassified
Otu313458		1	0.6667	0.816	0.008	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu315572		1	1	1	0.001	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15	unclassified	unclassified	unclassified
Otu318732		1	0.6667	0.816	0.006	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
0.03 Otus	***Axinella* sp.**	**Rest**	**stat**	***p value***	**Domain**	**Phylum**	**Class**	**Order**	**Family**	**Genus**	**Species**	
Otu000046		0.8858	0.6667	0.768	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Hyphomonadaceae	Maricaulis	unclassified
Otu000129		0.9546	1	0.977	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000139		0.7936	1	0.891	0.008	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001166		0.9959	1	0.998	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001175		0.9773	1	0.989	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001317		0.971	1	0.985	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu001502		0.9855	1	0.993	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Nitrospinaceae	Nitrospina	unclassified
Otu001727		0.8686	0.6667	0.761	0.025	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoracaceae	unclassified	unclassified
Otu002275		0.8422	1	0.918	0.005	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002284		0.8492	0.6667	0.752	0.021	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Nitrosomonadaceae	unclassified	unclassified
Otu002651		0.8584	0.6667	0.757	0.027	Bacteria	Proteobacteria	Deltaproteobacteria	NB1-j	JTB38	unclassified	unclassified
Otu002672		0.978	1	0.989	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002797		1	0.6667	0.816	0.007	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002957		1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003335		0.9313	0.6667	0.788	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Endoecteinascidiaceae	unclassified	unclassified
Otu003466		0.9521	1	0.976	0.004	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu003540		0.9801	1	0.99	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003600		0.9553	0.6667	0.798	0.007	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	unclassified	unclassified
Otu003657		0.7806	0.6667	0.721	0.032	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadaceae	Pseudoalteromonas	tunicata
Otu003721		1	1	1	0.001	Bacteria	SBR1093	EC214	unclassified	unclassified	unclassified	unclassified
Otu004426		0.9883	1	0.994	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004564		0.7986	0.6667	0.73	0.03	Bacteria	Proteobacteria	Deltaproteobacteria	Sva0853	SAR324	unclassified	unclassified
Otu004850		0.8856	1	0.941	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005024		0.9382	0.6667	0.791	0.015	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu005540		1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005626		0.9069	0.6667	0.778	0.023	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005709		0.8574	0.6667	0.756	0.032	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005877		0.7421	1	0.861	0.024	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006002		0.8255	0.6667	0.742	0.02	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Nitrospinaceae	Nitrospina	unclassified
Otu006868		0.9503	1	0.975	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007015		0.9584	1	0.979	0.001	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu007084		0.8444	0.6667	0.75	0.042	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu007299		0.9318	1	0.965	0.003	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007306		0.8557	0.6667	0.755	0.034	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007564		0.9438	0.6667	0.793	0.007	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu008664		0.9592	1	0.979	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu008760		0.8719	1	0.934	0.007	Bacteria	Planctomycetes	Planctomycetia	unclassified	unclassified	unclassified	unclassified
Otu008875		0.7901	0.6667	0.726	0.032	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu009454		0.8969	0.6667	0.773	0.013	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	unclassified	unclassified
Otu009610		0.82	1	0.906	0.008	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu010012		0.8353	0.6667	0.746	0.023	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu010017		0.8458	0.6667	0.751	0.014	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu010175		0.8337	0.6667	0.746	0.037	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu010443		0.8584	0.6667	0.756	0.029	Bacteria	PAUC34f	unclassified	unclassified	unclassified	unclassified	unclassified
Otu010958		0.9388	0.6667	0.791	0.019	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu011957		1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu012558		0.9743	1	0.987	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu012592		0.7972	0.6667	0.729	0.019	Bacteria	Gemmatimonadetes	Gemm-2	unclassified	unclassified	unclassified	unclassified
Otu012626		0.85	0.6667	0.753	0.037	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified

Otu012647	0.8383	1	0.916	0.015	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	unclassified
Otu012855	0.987	1	0.994	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu012955	0.9788	0.6667	0.808	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu012962	0.9059	1	0.952	0.006	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu013287	1	0.6667	0.816	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Endoecteinascidiaceae	unclassified	unclassified
Otu013336	0.8409	0.6667	0.749	0.041	Bacteria	Planctomycetes	OM190	CL500-15	unclassified	unclassified	unclassified
Otu013687	0.9313	0.6667	0.788	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu014109	0.9114	0.6667	0.779	0.019	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu014161	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu014464	0.9696	1	0.985	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu014872	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu015022	0.8299	1	0.911	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015498	0.9634	1	0.982	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu015583	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015596	0.8866	1	0.942	0.004	Bacteria	Proteobacteria	Deltaproteobacteria	NB1-j	JTB38	unclassified	unclassified
Otu016018	0.9777	1	0.989	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu016022	0.928	1	0.963	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu016057	0.8397	0.6667	0.748	0.043	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	unclassified	unclassified
Otu016318	0.8583	0.6667	0.756	0.038	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Nitrosomonadaceae	unclassified	unclassified
Otu016459	0.8678	0.6667	0.761	0.028	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu016634	0.8065	0.6667	0.733	0.045	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu016674	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	unclassified	unclassified	unclassified
Otu017696	0.7351	1	0.857	0.029	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	unclassified	unclassified
Otu017945	0.9556	1	0.978	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu018113	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu018175	0.9598	1	0.98	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018271	0.8682	0.6667	0.761	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu018282	0.9509	1	0.975	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018549	0.9549	1	0.977	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018550	0.9778	1	0.989	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018601	0.9247	1	0.962	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu018603	0.92	1	0.959	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018737	0.9753	1	0.988	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu018759	0.8597	1	0.927	0.008	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018814	0.9654	1	0.983	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018836	0.9782	1	0.989	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu019039	0.9532	1	0.976	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadaceae	Pseudoalteromonas	porphyrae
Otu019421	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	unclassified
Otu019814	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu019829	0.9632	1	0.981	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu020469	0.981	1	0.99	0.001	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu020495	0.9682	1	0.984	0.002	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu020689	0.9677	1	0.984	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu020742	0.9299	1	0.964	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu020753	0.9717	1	0.986	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu021005	0.8773	1	0.937	0.004	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu021575	0.7856	0.6667	0.724	0.046	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu021604	0.8553	0.6667	0.755	0.01	Bacteria	SAR406	AB16	Arctic96B-7	A714017	SargSea-WGS	unclassified
Otu022351	0.8901	0.6667	0.77	0.008	Bacteria	Verrucomicrobia	Pedosphaerae	Arctic97B-4	unclassified	unclassified	unclassified
Otu022517	0.8777	0.6667	0.765	0.039	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Colwelliaceae	unclassified	unclassified
Otu024955	0.8511	0.6667	0.753	0.015	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Nitrosomonadaceae	unclassified	unclassified
Otu025018	0.8858	0.6667	0.768	0.027	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	unclassified	unclassified
Otu025033	0.7998	0.6667	0.73	0.019	Bacteria	Verrucomicrobia	Pedosphaerae	unclassified	unclassified	unclassified	unclassified
Otu025701	1	0.6667	0.816	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu025832	0.7439	0.6667	0.704	0.043	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu026675	0.9704	1	0.985	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu026982	0.9449	1	0.972	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu026986	0.9518	1	0.976	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu027109	0.7127	1	0.844	0.027	Bacteria	Chloroflexi	SAR202	unclassified	unclassified	unclassified	unclassified
Otu027170	0.9719	1	0.986	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu027228	0.9595	1	0.98	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu029327	0.9307	1	0.965	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu029374	0.9635	1	0.982	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu029599	0.785	0.6667	0.723	0.03	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu029727	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu029948	0.9088	0.6667	0.778	0.033	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	unclassified	unclassified
Otu033129	0.826	0.6667	0.742	0.039	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Saccharospirillaceae	Reinekea	unclassified
Otu033291	0.7298	1	0.854	0.024	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu033585	1	0.6667	0.816	0.011	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu035133	0.9652	1	0.982	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu035352	1	0.6667	0.816	0.007	Archaea	Euryarchaeota	Thermoplasmata	E2	Marine_group_II	unclassified	unclassified
Otu035422	0.9878	1	0.994	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu036260	0.9442	1	0.972	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036515	0.9553	1	0.977	0.001	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu036533	0.9818	1	0.991	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036806	0.9291	1	0.964	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036966	0.9742	1	0.987	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036999	0.9595	1	0.98	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu037653	0.9041	0.6667	0.776	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu039904	0.9744	1	0.987	0.001	Bacteria	Proteobacteria	Betaproteobacteria	EC94	unclassified	unclassified	unclassified
Otu041660	0.7803	1	0.883	0.028	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu042360	0.8799	1	0.938	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu042850	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu043907	0.9385	1	0.969	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu044038	0.9625	1	0.981	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu044103	0.978	1	0.989	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu044221	0.941	0.6667	0.792	0.007	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu044442	0.9157	1	0.957	0.002	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu044453	0.91	1	0.954	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu044732	0.9305	1	0.965	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu044935	0.9491	0.6667	0.795	0.007	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu044974	0.9199	0.6667	0.783	0.007	Bacteria	Proteobacteria	Deltaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu045070	0.895	0.6667	0.772	0.008	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu045845	0.9698	1	0.985	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu045997	0.9448	1	0.972	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu046002	0.9654	1	0.983	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu046049	0.9773	1	0.989	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu047876	1	0.6667	0.816	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu048389	0.9664	1	0.983	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu048454	0.9781	1	0.989	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified

Otu048732	0.9512	1	0.975	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu049930	0.9683	0.6667	0.803	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	HTCC2207	unclassified
Otu050296	0.8351	0.6667	0.746	0.041	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Psychromonadaceae	Psychromonas	unclassified
Otu053527	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oleiphilaceae	unclassified	unclassified
Otu055242	0.8349	0.6667	0.746	0.048	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu057716	0.8289	0.6667	0.743	0.043	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	aestuarianus
Otu058470	0.891	0.6667	0.771	0.019	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	Saprospira	unclassified
Otu059022	0.7905	0.6667	0.726	0.049	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Nisaea	unclassified
Otu060559	0.9148	0.6667	0.781	0.015	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu064935	0.8475	0.6667	0.752	0.047	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	Rickettsiella	unclassified
Otu065845	0.9773	1	0.989	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu066913	0.7976	0.6667	0.729	0.04	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu074145	0.8881	0.6667	0.769	0.024	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu075722	0.8085	0.6667	0.734	0.046	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu078176	0.9578	0.6667	0.799	0.012	Bacteria	Proteobacteria	Deltaproteobacteria	Sva0853	SAR324	unclassified	unclassified
Otu080821	0.8122	0.6667	0.736	0.041	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu082432	0.8379	0.6667	0.747	0.018	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	unclassified	unclassified
Otu082435	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu082869	0.9583	0.6667	0.799	0.007	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu086208	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu103149	0.8837	1	0.94	0.005	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu108930	0.8562	0.6667	0.756	0.037	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu111290	0.9672	1	0.983	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu112110	0.962	1	0.981	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu112607	0.9565	1	0.978	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu112615	0.9651	1	0.982	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu113512	0.9682	1	0.984	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu114932	0.9565	1	0.978	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu115203	0.9799	1	0.99	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu116590	0.8591	0.6667	0.757	0.018	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu116886	0.8056	0.6667	0.733	0.038	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu117280	0.9332	1	0.966	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu119038	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu119816	0.8572	0.6667	0.756	0.019	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu123464	0.7698	0.6667	0.716	0.024	Bacteria	Proteobacteria	Gammaproteobacteria	Thiohalorhabdales	Thiohalorhabdaceae	unclassified	unclassified
Otu124114	0.7601	1	0.872	0.008	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu125440	0.8826	0.6667	0.767	0.019	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoracaceae	Bacteriovorax	unclassified
Otu125598	0.8496	0.6667	0.753	0.035	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu125685	0.8373	0.6667	0.747	0.038	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	unclassified
Otu126478	0.9347	0.6667	0.789	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu130338	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu130491	0.8214	0.6667	0.74	0.04	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu130640	0.8357	0.6667	0.746	0.03	Bacteria	Proteobacteria	Alphaproteobacteria	Ellin329	unclassified	unclassified	unclassified
Otu133790	0.8683	0.6667	0.761	0.026	Bacteria	Verrucomicrobia	Pedosphaerae	Arctic97B-4	unclassified	unclassified	unclassified
Otu134119	0.947	0.6667	0.795	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu134953	0.9704	1	0.985	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu135934	0.9761	1	0.988	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu136036	0.9888	1	0.994	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu136885	0.9559	1	0.978	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu137171	0.9706	1	0.985	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu137245	0.9683	1	0.984	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu137628	0.9677	1	0.984	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu138268	0.965	1	0.982	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu138514	0.9664	1	0.983	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu139058	0.7885	0.6667	0.725	0.035	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	JTB248	unclassified
Otu140069	0.9749	1	0.987	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu140449	0.8721	0.6667	0.762	0.012	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu141316	0.9527	1	0.976	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu144040	0.9065	0.6667	0.777	0.019	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu148441	0.9715	1	0.986	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu156948	0.8318	0.6667	0.745	0.02	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	unclassified
Otu167491	0.9797	1	0.99	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu167633	0.9828	1	0.991	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu175422	0.8929	0.6667	0.772	0.012	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu178604	0.8908	0.6667	0.771	0.018	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu179882	0.9781	1	0.989	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu184713	0.9567	1	0.978	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu189017	0.9649	1	0.982	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu189060	0.9877	1	0.994	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu189253	0.9472	1	0.973	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu194846	0.9537	1	0.977	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu195617	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Crocinitomix	unclassified
Otu196299	0.9706	1	0.985	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu200135	0.9798	1	0.99	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu201196	0.9714	1	0.986	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu203429	0.834	0.6667	0.746	0.037	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Nitrospinaceae	Nitrospina	unclassified
Otu215056	0.8359	0.6667	0.746	0.05	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu251985	0.9382	0.6667	0.791	0.015	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu319725	0.8913	0.6667	0.771	0.008	Archaea	Euryarchaeota	Thermoplasmata	E2	Marine_group_II	unclassified	unclassified
0.03 Otus	***Axinella infundibulifor***	**Rest**	**stat**	***p value***	**Domain**	**Phylum**	**Class**	**Order**	**Family**	**Genus**	**Species**
Otu000144	0.9793	1	0.99	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu000165	0.9943	1	0.997	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000215	1	0.6667	0.816	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu000723	1	0.5	0.707	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000729	0.8884	1	0.943	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu000742	0.9135	1	0.956	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu000838	0.7323	1	0.856	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu001374	0.9947	1	0.997	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	TK06	unclassified	unclassified
Otu001422	0.8355	0.6667	0.746	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu002028	0.7405	0.8333	0.786	0.042	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu002418	0.9099	0.8333	0.871	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu002431	0.9209	0.5	0.679	0.014	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu002524	0.8493	0.6667	0.752	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu002659	1	0.3333	0.577	0.043	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Persicirhabdus	unclassified
Otu002707	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003072	0.9164	1	0.957	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu003184	0.9792	1	0.99	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu003242	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003584	0.8238	1	0.908	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu003602	0.8526	1	0.923	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified

Otu003632	0.9852	1	0.993	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003666	1	1	1	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003921	0.8201	0.5	0.64	0.034	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004011	1	1	1	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu004330	1	0.3333	0.577	0.041	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu004634	0.8765	0.8333	0.855	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004669	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004696	1	0.5	0.707	0.003	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu004811	1	0.3333	0.577	0.041	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005015	1	0.5	0.707	0.009	Bacteria	Verrucomicrobia	Pedosphaerae	Pedosphaerales	unclassified	unclassified	unclassified
Otu005116	1	0.6667	0.816	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005137	1	0.5	0.707	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005164	0.8295	0.6667	0.744	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu005169	0.8317	1	0.912	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu005177	1	1	1	0.001	Bacteria	Spirochaetes	Spirochaetes	unclassified	unclassified	unclassified	unclassified
Otu005366	1	0.3333	0.577	0.049	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005402	1	0.3333	0.577	0.049	Bacteria	Proteobacteria	Deltaproteobacteria	Spirobacillales	unclassified	unclassified	unclassified
Otu005425	0.8148	0.6667	0.737	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu005609	0.9412	0.5	0.686	0.022	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006211	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006316	0.8791	1	0.938	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu006387	0.7941	0.6667	0.728	0.022	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu006521	1	0.3333	0.577	0.037	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006577	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006886	0.8521	1	0.923	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007001	0.819	1	0.905	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007093	0.9552	0.5	0.691	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007469	0.9269	0.5	0.681	0.009	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu007812	0.8256	0.8333	0.829	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007904	0.914	0.6667	0.781	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu007911	0.8479	1	0.921	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu008011	1	0.3333	0.577	0.049	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	unclassified	unclassified
Otu008196	0.8495	1	0.922	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu008208	0.8426	1	0.918	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu008239	0.9338	0.3333	0.558	0.042	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfococcus	unclassified
Otu008256	0.8669	0.6667	0.76	0.017	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu008876	0.829	0.8333	0.831	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu008885	0.944	0.5	0.687	0.013	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu008996	0.9201	0.8333	0.876	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009043	0.8403	0.8333	0.837	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009079	0.8723	1	0.934	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009086	0.8621	1	0.929	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009141	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu009308	0.8843	0.8333	0.858	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009768	0.8556	1	0.925	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009843	0.9172	0.8333	0.874	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009847	0.8463	0.6667	0.751	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009849	0.8477	1	0.921	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu009854	0.864	1	0.929	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu010111	0.8509	0.6667	0.753	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu010163	0.6678	0.8333	0.746	0.046	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	unclassified	unclassified
Otu010311	0.79	1	0.889	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu010354	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio	unclassified
Otu010379	0.8786	0.8333	0.856	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu010426	0.8787	0.8333	0.856	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu010576	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu010678	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu010818	0.8311	0.8333	0.832	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011015	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011060	0.9883	0.5	0.703	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu011211	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011429	0.8369	0.6667	0.747	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu011440	0.8525	1	0.923	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu011675	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011705	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011795	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011820	1	0.5	0.707	0.013	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011841	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011857	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011946	0.8374	0.5	0.647	0.026	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011993	0.7897	0.5	0.628	0.038	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	OM60	unclassified	unclassified
Otu012171	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu012295	0.9421	0.3333	0.56	0.043	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu012309	0.8381	1	0.915	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu012324	0.8643	0.8333	0.849	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu012362	0.8195	1	0.905	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu012514	1	0.3333	0.577	0.049	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu012705	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu012751	0.8472	0.5	0.651	0.015	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu012898	0.9516	0.6667	0.797	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu013185	0.774	0.8333	0.803	0.016	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	unclassified	unclassified	unclassified
Otu013224	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu013513	0.9514	0.5	0.69	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	unclassified	unclassified
Otu013540	0.8379	0.6667	0.747	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu013576	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu013578	0.9808	0.8333	0.904	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu013658	0.8834	1	0.94	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu013681	0.9868	1	0.993	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu013840	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu013849	0.8839	0.8333	0.858	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu013979	0.9675	0.5	0.696	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Photobacterium	angustum
Otu013980	0.9241	0.3333	0.555	0.049	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	unclassified
Otu014238	1	0.6667	0.816	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu014309	0.7481	0.8333	0.79	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu014430	1	0.3333	0.577	0.045	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu014452	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu014468	0.8685	0.6667	0.761	0.024	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu014541	0.8279	0.6667	0.743	0.011	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu014589	0.8714	1	0.933	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu014643	0.9496	0.5	0.689	0.009	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified

Otu014775	1	0.5	0.707	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu014833	0.8035	0.8333	0.818	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu014951	0.8358	1	0.914	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu014974	0.7864	0.6667	0.724	0.016	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015014	0.9213	0.5	0.679	0.012	unknown	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu015104	0.8607	0.5	0.656	0.027	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu015114	0.946	0.6667	0.794	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015156	0.9	0.8333	0.866	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015221	0.7596	0.6667	0.712	0.033	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015239	0.7934	0.8333	0.813	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015370	0.8195	1	0.905	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015681	0.855	1	0.925	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015690	0.8038	0.8333	0.818	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu015890	0.8029	0.8333	0.818	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu016238	0.8777	1	0.937	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu016249	0.8925	1	0.945	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu017014	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017078	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017137	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017262	0.8711	0.8333	0.852	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu017459	1	0.5	0.707	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu017749	0.8328	0.5	0.645	0.014	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu017786	0.8773	0.6667	0.765	0.009	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu017835	1	0.3333	0.577	0.036	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu018087	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu018090	0.9879	1	0.994	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu018285	0.8486	0.6667	0.752	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu018303	0.8406	0.3333	0.529	0.05	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu018361	0.7275	0.6667	0.696	0.044	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu018394	1	0.5	0.707	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu018427	0.941	0.8333	0.886	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu018469	0.7232	0.6667	0.694	0.044	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018738	0.7861	0.5	0.627	0.045	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu018973	0.9309	1	0.965	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019001	0.8587	1	0.927	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019011	0.8299	0.8333	0.832	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019019	0.8887	1	0.943	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019072	0.8684	0.8333	0.851	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019079	0.8241	0.8333	0.829	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019162	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu019233	0.8678	0.8333	0.85	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019258	0.8723	1	0.934	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019361	0.7907	0.8333	0.812	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019405	0.8492	1	0.921	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu019416	0.8046	0.5	0.634	0.026	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Photobacterium	angustum
Otu019487	0.8356	1	0.914	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu020585	1	0.6667	0.816	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu020665	1	0.3333	0.577	0.042	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	unclassified	unclassified	unclassified
Otu020934	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu021176	0.9349	0.6667	0.789	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu021237	0.8595	0.8333	0.846	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu021287	0.8103	1	0.9	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu021359	0.8567	0.8333	0.845	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu021402	1	0.5	0.707	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu021538	1	0.3333	0.577	0.043	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu021560	0.7578	0.8333	0.795	0.027	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu021656	0.9712	0.5	0.697	0.009	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	Saprospira	unclassified
Otu021772	0.7834	0.6667	0.723	0.014	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu021858	0.8412	0.8333	0.837	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu021876	0.9327	0.8333	0.882	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu022881	0.8494	1	0.922	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu022894	0.8625	1	0.929	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu022926	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu023079	1	0.3333	0.577	0.049	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu023113	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu023541	0.8107	0.8333	0.822	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu023649	0.8593	0.8333	0.846	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu023864	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu024313	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu024324	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu024376	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu024580	0.9221	0.3333	0.554	0.049	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu024771	0.8695	1	0.932	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu024888	0.8756	0.6667	0.764	0.009	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu024937	0.8594	1	0.927	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu025046	0.9391	0.6667	0.791	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu025067	0.8739	1	0.935	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu025148	0.8547	0.6667	0.755	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu025204	0.8748	0.6667	0.764	0.012	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu025402	0.8452	0.8333	0.839	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu025428	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu025480	1	0.6667	0.816	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu025926	0.8586	0.8333	0.846	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu025945	0.9011	0.6667	0.775	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu026415	0.873	0.8333	0.853	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu026519	0.8664	0.8333	0.85	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu026571	1	0.5	0.707	0.009	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu026968	0.9478	0.6667	0.795	0.004	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	OM27	unclassified	unclassified
Otu026987	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu027696	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu027885	0.9016	0.6667	0.775	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu027941	0.8452	0.6667	0.751	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu028358	0.8787	0.8333	0.856	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu028476	0.9838	0.8333	0.905	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu028611	0.9129	0.5	0.676	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Microbulbifer	unclassified
Otu028848	0.872	0.8333	0.852	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu030283	1	0.3333	0.577	0.049	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu030656	1	0.5	0.707	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu030672	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu030803	1	0.3333	0.577	0.041	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified

Otu030879	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu030901	0.8127	0.8333	0.823	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu031597	0.8741	1	0.935	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu031704	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	unclassified	unclassified
Otu031976	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu032365	0.8766	0.5	0.662	0.03	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu032375	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu032393	1	0.5	0.707	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu035127	0.8253	0.5	0.642	0.031	Bacteria	Verrucomicrobia	Pedosphaerae	Pedosphaerales	unclassified	unclassified	unclassified
Otu035248	0.8601	0.6667	0.757	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu035274	0.8806	0.8333	0.857	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu035923	0.9046	0.5	0.673	0.011	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Cystobacterineae	unclassified	unclassified
Otu035981	0.902	0.6667	0.775	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu036684	0.9466	0.6667	0.794	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu037189	0.8566	0.6667	0.756	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu037233	0.7826	0.5	0.626	0.031	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu037263	0.908	0.8333	0.87	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu037287	0.8437	0.8333	0.838	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu038151	0.8155	0.6667	0.737	0.015	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu039128	0.9596	0.8333	0.894	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu039544	0.933	0.6667	0.789	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu040165	0.9657	0.6667	0.802	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu040608	0.8361	0.6667	0.747	0.015	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu040719	0.9265	0.8333	0.879	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu041365	1	0.3333	0.577	0.036	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu042095	1	0.5	0.707	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu043335	0.9882	1	0.994	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu043432	0.8657	0.8333	0.849	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu043669	0.8613	0.5	0.656	0.017	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu044173	0.9584	0.5	0.692	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu046395	0.8938	0.8333	0.863	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu047258	1	0.5	0.707	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu047308	0.7829	0.5	0.626	0.038	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu047334	0.8507	0.8333	0.842	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu047355	0.8756	1	0.936	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu047916	0.9849	0.6667	0.81	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu048942	0.885	0.8333	0.859	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu049309	0.8562	0.8333	0.845	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu050227	1	0.5	0.707	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu050514	1	0.5	0.707	0.012	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu051199	1	0.5	0.707	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu051521	1	0.3333	0.577	0.044	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu051569	1	0.6667	0.816	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu052808	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu053648	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu053691	1	0.6667	0.816	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu054125	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu055256	0.8943	0.5	0.669	0.019	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu056672	0.905	0.3333	0.549	0.043	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu057077	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu057172	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu057191	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu057419	1	0.6667	0.816	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu057808	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu058096	1	0.3333	0.577	0.045	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Serratia	marcescens
Otu060131	0.9776	1	0.989	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	unclassified	unclassified
Otu060145	0.9252	0.6667	0.785	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu060538	1	0.6667	0.816	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu060722	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu061365	1	0.8333	0.913	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu061479	0.7809	0.6667	0.722	0.012	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu061680	1	0.3333	0.577	0.049	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Phaeobacter	unclassified
Otu062087	0.9244	0.6667	0.785	0.003	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Loktanella	salsilacus
Otu062765	1	0.5	0.707	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu063030	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu063109	1	0.5	0.707	0.006	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu063692	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu063716	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu064765	1	0.6667	0.816	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu065295	0.8227	0.6667	0.741	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065662	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu066273	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu066936	1	0.3333	0.577	0.044	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu067769	0.9603	0.8333	0.895	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu068072	0.782	1	0.884	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu069568	1	0.3333	0.577	0.049	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu077130	0.9186	0.5	0.678	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu077267	0.7406	1	0.861	0.002	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu084293	1	0.3333	0.577	0.043	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	unclassified
Otu093768	0.8144	0.5	0.638	0.014	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu094642	0.8538	0.6667	0.754	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu094777	0.857	1	0.926	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu097953	0.864	0.6667	0.759	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	unclassified
Otu108091	1	0.6667	0.816	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu109528	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu109701	1	0.5	0.707	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu109884	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu110247	1	0.3333	0.577	0.049	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu110251	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu110262	1	0.3333	0.577	0.041	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu110271	0.8981	0.6667	0.774	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu110337	1	0.6667	0.816	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu110482	1	0.6667	0.816	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu111028	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu113695	1	0.3333	0.577	0.043	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu117884	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu117940	1	0.6667	0.816	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu118879	0.8305	0.5	0.644	0.031	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu118950	1	0.3333	0.577	0.045	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu120711	1	0.6667	0.816	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified

Otu120747	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu121434	1	0.6667	0.816	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu121450	0.9561	0.3333	0.565	0.049	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu121788	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu121795	1	0.3333	0.577	0.049	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu121803	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu121900	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu122390	1	0.3333	0.577	0.043	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	unclassified	unclassified
Otu122464	1	0.5	0.707	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu122557	1	0.3333	0.577	0.041	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu123201	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu123893	1	0.6667	0.816	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu124295	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu124518	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu124821	1	0.3333	0.577	0.049	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu126595	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu127072	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu127473	1	0.3333	0.577	0.041	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu127914	1	0.3333	0.577	0.044	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu128129	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu129207	1	0.6667	0.816	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu136079	1	0.5	0.707	0.012	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu137000	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu149554	0.9213	0.3333	0.554	0.049	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Pseudoruegeria	unclassified
Otu152185	0.9173	0.5	0.677	0.012	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Aliivibrio	fischeri
Otu158589	0.8668	0.6667	0.76	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	HTCC2207	unclassified
Otu174598	0.9304	0.3333	0.557	0.049	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu215775	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu217528	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu217541	1	0.5	0.707	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu220169	1	0.6667	0.816	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu222567	0.9537	0.5	0.691	0.012	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	unclassified
Otu237000	1	0.5	0.707	0.013	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu240018	1	0.6667	0.816	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu240225	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu246892	1	0.5	0.707	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu251196	1	0.5	0.707	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu251484	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu252313	1	0.6667	0.816	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu257013	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu259625	1	0.8333	0.913	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu262863	1	0.3333	0.577	0.049	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu272760	1	0.8333	0.913	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
0.03 Otus	**marine metagenome**	**Rest**	**stat**	***p value***	**Domain**	**Phylum**	**Class**	**Order**	**Family**	**Genus**	**Species**
Otu000069	1	1	1	0.001	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000075	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu000085	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu000092	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu000095	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Psychrobacter	pacificensis
Otu000106	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Photobacterium	angustum
Otu000119	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu000146	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	OM60	unclassified	unclassified
Otu000148	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu000154	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu000198	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu000205	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu000217	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu000258	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu000266	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu000275	1	1	1	0.001	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu000288	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu000295	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu000309	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu000321	0.7678	1	0.876	0.012	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	unclassified
Otu000323	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000325	1	1	1	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	unclassified	unclassified
Otu000326	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu000337	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	NS9	unclassified	unclassified
Otu000358	1	1	1	0.001	Archaea	Euryarchaeota	Thermoplasmata	E2	Marine_group_II	unclassified	unclassified
Otu000374	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000380	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu000381	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu000389	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Aliivibrio	fischeri
Otu000395	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	guillouiae
Otu000424	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000425	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu000431	1	1	1	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	Methylotenera	mobilis
Otu000473	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu000476	0.9683	1	0.984	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu000479	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	HTCC2207	unclassified
Otu000487	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu000502	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu000524	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu000596	1	1	1	0.001	Bacteria	Verrucomicrobia	Opitutae	Puniceicoccales	Puniceicoccaceae	Coraliomargarita	unclassified
Otu000613	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu000615	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu000642	1	1	1	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu000643	0.8994	1	0.948	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadaceae	Pseudoalteromonas	unclassified
Otu000644	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000666	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000674	1	1	1	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000688	1	1	1	0.001	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu000713	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu000715	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu000719	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu000727	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu000739	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Tenacibaculum	unclassified
Otu000755	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	unclassified	unclassified
Otu000756	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000771	1	0.6667	0.816	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified

Otu000775	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu000778	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu000780	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu000790	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu000805	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000810	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000839	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Prochlorococcus	unclassified
Otu000841	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu000871	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Bizionia	unclassified
Otu000872	0.9373	0.6667	0.79	0.025	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu000873	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Formosa	unclassified
Otu000927	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu000933	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu000934	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	unclassified	unclassified
Otu000965	0.9041	1	0.951	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu000966	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	NS9	unclassified	unclassified
Otu000998	1	0.6667	0.816	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001013	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Olleya	unclassified
Otu001021	0.7806	0.6667	0.721	0.027	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001040	1	1	1	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001050	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Prochlorococcus	unclassified
Otu001055	1	1	1	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Candidatus_Aquiluna	rubra
Otu001066	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu001070	0.7532	1	0.868	0.017	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Aliivibrio	fischeri
Otu001076	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Pseudoruegeria	unclassified
Otu001080	0.9563	0.6667	0.798	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001128	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001136	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001147	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001150	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	unclassified
Otu001176	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001181	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu001190	1	0.6667	0.816	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001202	1	1	1	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	unclassified	unclassified	unclassified
Otu001210	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu001240	1	1	1	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001251	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Prochlorococcus	unclassified
Otu001252	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001292	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001293	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001313	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu001337	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Halomonas	unclassified
Otu001339	0.8303	1	0.911	0.009	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu001365	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu001371	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu001383	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001390	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacter	unclassified
Otu001421	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001428	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu001438	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	shilonii
Otu001440	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu001453	1	1	1	0.001	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	unclassified	unclassified
Otu001475	0.944	1	0.972	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Rickettsiaceae	unclassified	unclassified
Otu001483	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001501	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu001556	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu001637	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu001641	1	0.6667	0.816	0.01	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu001706	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu001710	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001726	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001740	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu001741	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001763	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu001781	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	nsmpVI18	unclassified
Otu001783	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001785	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu001829	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001854	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu001920	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu001925	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	johnsonii
Otu001931	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu001971	0.8488	0.6667	0.752	0.04	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001972	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu001973	0.8842	1	0.94	0.004	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu001974	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu002008	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae	Shewanella	benthica
Otu002025	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu002085	0.9527	1	0.976	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu002107	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002112	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	OM60	Congregibacter	unclassified
Otu002174	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Marinomonas	unclassified
Otu002180	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu002182	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu002194	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu002205	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002251	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu002252	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu002258	1	0.6667	0.816	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu002267	1	1	1	0.001	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	unclassified	unclassified
Otu002306	1	1	1	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Candidatus_Rhodoluna	unclassified
Otu002330	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu002379	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu002381	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu002404	1	1	1	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu002424	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu002444	0.9797	1	0.99	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	unclassified	unclassified
Otu002452	1	1	1	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	unclassified	unclassified
Otu002468	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu002477	0.8479	1	0.921	0.002	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	unclassified	unclassified

Otu002523	0.7642	1	0.874	0.03	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	unclassified	unclassified
Otu002529	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu002536	1	1	1	0.001	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	unclassified	unclassified
Otu002550	0.9315	1	0.965	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu002555	1	1	1	0.001	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	unclassified	unclassified
Otu002606	1	1	1	0.001	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002666	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	OM60	Congregibacter	unclassified
Otu002675	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu002696	0.9001	0.6667	0.775	0.011	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu002701	0.9477	1	0.973	0.001	Bacteria	Tenericutes	Mollicutes	Acholeplasmatales	Acholeplasmataceae	Acholeplasma	unclassified
Otu002708	1	1	1	0.001	Bacteria	Bacteroidetes	Rhodothermi	Rhodothermales	Balneolaceae	Balneola	unclassified
Otu002719	1	1	1	0.001	Bacteria	Verrucomicrobia	Opitutae	Puniceicoccales	Puniceicoccaceae	Coraliomargarita	unclassified
Otu002744	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Marinicellales	Marinicellaceae	Marinicella	unclassified
Otu002760	1	0.6667	0.816	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu002761	0.9125	1	0.955	0.006	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu002781	0.9179	1	0.958	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu002798	0.9298	1	0.964	0.003	Bacteria	Proteobacteria	Deltaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002805	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002832	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu002833	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002843	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu002883	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu002964	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu002966	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	NS9	unclassified	unclassified
Otu002991	0.9691	1	0.984	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Formosa	unclassified
Otu002999	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu003089	0.8495	0.6667	0.753	0.043	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu003091	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu003132	0.9918	1	0.996	0.001	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	unclassified	unclassified
Otu003160	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	unclassified	unclassified
Otu003217	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu003266	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu003267	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Lutimonas	unclassified
Otu003322	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003331	0.9202	1	0.959	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Candidatus_Aquiluna	rubra
Otu003362	0.9488	0.6667	0.795	0.013	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu003364	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu003367	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu003394	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu003509	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu003606	0.9751	1	0.987	0.001	Bacteria	Cyanobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003653	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu003657	0.7859	1	0.887	0.012	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadacea	Pseudoalteromonas	tunicata
Otu003678	0.9243	0.6667	0.785	0.023	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003690	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu003756	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu003775	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadacea	Pseudoalteromonas	piscicida
Otu003794	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu003797	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu003798	0.9396	0.6667	0.791	0.016	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003813	0.7795	0.6667	0.721	0.036	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu003814	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu003827	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu003831	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu003833	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu003842	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu003860	1	1	1	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003933	1	1	1	0.001	Archaea	Euryarchaeota	Thermoplasmata	E2	Marine_group_II	unclassified	unclassified
Otu004084	0.9291	1	0.964	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004097	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu004099	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu004101	0.9107	1	0.954	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu004171	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu004180	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu004191	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu004226	1	1	1	0.001	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	unclassified	unclassified
Otu004322	0.7944	1	0.891	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004326	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu004398	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu004402	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004498	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu004508	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	shilonii
Otu004525	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu004548	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu004549	0.9079	0.6667	0.778	0.024	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu004551	1	0.6667	0.816	0.009	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu004593	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004640	0.9554	1	0.977	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004654	0.9492	0.6667	0.795	0.014	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu004686	1	1	1	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	unclassified	unclassified
Otu004707	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Bizionia	unclassified
Otu004729	1	1	1	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Sva0853	S25_1238	unclassified	unclassified
Otu004808	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Endozoicimonaceae	unclassified	unclassified
Otu004873	0.8533	1	0.924	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu004919	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu004928	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu004929	0.9349	1	0.967	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu004930	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu004996	0.9388	0.6667	0.791	0.015	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu005046	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu005055	0.9562	1	0.978	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005305	0.7742	1	0.88	0.013	Bacteria	Cyanobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005347	1	1	1	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	PB19	unclassified	unclassified	unclassified
Otu005371	1	1	1	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005405	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005496	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu005544	0.9318	0.6667	0.788	0.022	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu005548	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005692	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	unclassified	unclassified
Otu005701	0.9641	1	0.982	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	HTCC2207	unclassified

Otu005838	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu005924	0.9584	1	0.979	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu005947	1	0.6667	0.816	0.009	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu005974	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Prochlorococcus	unclassified
Otu005987	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Phaeobacter	unclassified
Otu006005	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Colwelliaceae	unclassified	unclassified
Otu006013	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu006030	1	1	1	0.001	Bacteria	Verrucomicrobia	Pedosphaerae	Pedosphaerales	unclassified	unclassified	unclassified
Otu006057	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	ZD0117	unclassified
Otu006073	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu006100	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu006161	0.9767	1	0.988	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006243	0.9863	1	0.993	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu006244	0.9516	1	0.975	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu006306	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu006390	0.8539	0.6667	0.754	0.041	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	NS9	unclassified	unclassified
Otu006520	0.7518	1	0.867	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006562	1	0.6667	0.816	0.009	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	JdFBGBact	unclassified	unclassified
Otu006582	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu006617	0.9166	0.6667	0.782	0.02	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006634	0.923	1	0.961	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu006646	0.9609	0.6667	0.8	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu006694	0.9761	1	0.988	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu006696	0.986	1	0.993	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu006698	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	venetianus
Otu006712	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Kiloniellales	unclassified	unclassified	unclassified
Otu006719	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu006728	0.9672	1	0.983	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu006773	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu006780	1	1	1	0.001	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	NS11-12	unclassified	unclassified
Otu006786	0.9715	1	0.986	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Crocinitomix	unclassified
Otu006789	0.9413	0.6667	0.792	0.015	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Tenacibaculum	unclassified
Otu006793	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu006795	0.873	1	0.934	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu006836	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu006846	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonas	unclassified
Otu006966	0.7209	1	0.849	0.03	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007025	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu007048	1	0.6667	0.816	0.007	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007225	0.9113	0.6667	0.779	0.026	Archaea	Euryarchaeota	Thermoplasmata	E2	Marine_group_II	unclassified	unclassified
Otu007369	0.6904	1	0.831	0.037	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Endoecteinascidiaceae	unclassified	unclassified
Otu007445	0.9629	1	0.981	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu007477	0.8544	1	0.924	0.005	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu007489	0.9121	1	0.955	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu007565	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu007594	0.95	1	0.975	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu007717	0.8479	1	0.921	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu007781	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu007801	0.9227	0.6667	0.784	0.021	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu007826	0.9011	1	0.949	0.003	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu007907	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu008000	0.9388	0.6667	0.791	0.015	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu008010	0.8912	1	0.944	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu008058	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu008063	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu008064	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu008074	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu008078	0.9923	1	0.996	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu008079	0.9708	1	0.985	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu008093	0.9779	1	0.989	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu008120	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu008256	0.5817	1	0.763	0.039	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu008277	0.7446	1	0.863	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu008280	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu008281	0.9768	1	0.988	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu008315	0.9226	1	0.961	0.002	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu008403	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu008436	0.95	0.6667	0.796	0.016	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu008459	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu008562	0.9651	1	0.982	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Erythrobacter	unclassified
Otu008599	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu008776	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu008791	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	HTCC2207	unclassified
Otu008794	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	HTCC2207	unclassified
Otu008795	0.9429	0.6667	0.793	0.017	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	HTCC2207	unclassified
Otu008836	0.9399	0.6667	0.792	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu008854	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu008867	0.9162	0.6667	0.782	0.024	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu009009	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu009015	0.8887	1	0.943	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu009022	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu009215	0.954	1	0.977	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	OM27	unclassified	unclassified
Otu009268	0.9675	1	0.984	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu009313	0.9396	0.6667	0.791	0.016	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu009316	0.9286	1	0.964	0.002	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu009319	0.9358	1	0.967	0.001	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu009321	0.8837	0.6667	0.768	0.013	Bacteria	Proteobacteria	Betaproteobacteria	MWH-UniP1	unclassified	unclassified	unclassified
Otu009441	0.9763	1	0.988	0.001	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	unclassified	unclassified
Otu009463	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu009470	0.961	1	0.98	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu009473	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu009480	0.9016	0.6667	0.775	0.025	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu009602	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	unclassified	unclassified
Otu009694	0.8969	0.6667	0.773	0.025	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu009730	0.8856	0.6667	0.768	0.027	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu009732	0.9658	1	0.983	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu009733	0.9209	0.6667	0.784	0.025	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu009737	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu009754	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu010098	0.8712	1	0.933	0.003	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified

Otu010132	0.901	1	0.949	0.001	Bacteria	Verrucomicrobia	Spartobacteria	Chthoniobacterales	Chthoniobacteraceae	Candidatus_Xiphinemato	unclassified
Otu010139	0.9492	1	0.974	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	OM60	unclassified	unclassified
Otu010158	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu010181	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu010205	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	NS9	unclassified	unclassified
Otu010207	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Crocinitomix	unclassified
Otu010492	0.9654	1	0.983	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Aliivibrio	fischeri
Otu010748	0.8745	0.6667	0.764	0.024	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	unclassified	unclassified	unclassified
Otu010756	0.6964	1	0.835	0.032	Bacteria	Proteobacteria	Alphaproteobacteria	Kiloniellales	Kiloniellaceae	unclassified	unclassified
Otu010969	0.8553	1	0.925	0.003	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011148	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	OM60	Congregibacter	unclassified
Otu011156	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011168	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu011353	0.888	0.6667	0.769	0.023	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu011386	0.9451	0.6667	0.794	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu011389	0.8191	0.6667	0.739	0.037	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu011392	0.916	0.6667	0.781	0.026	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu011395	0.8788	1	0.937	0.002	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Flavobacterium	gelidilacus
Otu011405	0.9173	0.6667	0.782	0.019	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu011418	0.8568	0.6667	0.756	0.023	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu011457	0.9327	1	0.966	0.002	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu011464	0.8485	1	0.921	0.002	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu011539	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu011568	0.9578	0.6667	0.799	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu011569	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu011642	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011666	0.9491	0.6667	0.795	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu011993	0.839	1	0.916	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	OM60	unclassified	unclassified
Otu012122	0.8572	0.6667	0.756	0.036	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Enterovibrio	unclassified
Otu012358	0.8216	1	0.906	0.006	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu012359	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu012532	0.9135	1	0.956	0.003	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Pseudoruegeria	unclassified
Otu012535	0.9917	1	0.996	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu012624	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Kiloniellales	unclassified	unclassified	unclassified
Otu012919	0.7959	1	0.892	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu013076	0.9226	1	0.96	0.001	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Verrucomicrobium	unclassified
Otu013369	1	0.6667	0.816	0.01	Bacteria	SAR406	AB16	Arctic96B-7	A714017	ZA3312c	unclassified
Otu013534	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu013564	0.9258	0.6667	0.786	0.021	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu013687	0.8252	0.6667	0.742	0.049	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu013721	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	ZD0117	unclassified
Otu013723	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu013725	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Glaciecola	unclassified
Otu014356	0.7778	1	0.882	0.025	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu014747	0.9734	1	0.987	0.001	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	NS11-12	unclassified	unclassified
Otu014763	0.9567	0.6667	0.799	0.01	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu014808	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu014815	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu014837	0.9457	1	0.972	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu014838	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	NS9	unclassified	unclassified
Otu014846	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu014848	0.9321	1	0.965	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu014866	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu014867	0.5856	1	0.765	0.027	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu014870	0.9055	1	0.952	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu014874	0.9869	1	0.993	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu014878	0.9675	1	0.984	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	NS9	unclassified	unclassified
Otu014879	0.9461	0.6667	0.794	0.014	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu014932	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu014935	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu015046	0.6267	1	0.792	0.045	Bacteria	Actinobacteria	Thermoleophilia	unclassified	unclassified	unclassified	unclassified
Otu015089	0.7992	1	0.894	0.007	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	JTB248	unclassified
Otu015164	1	1	1	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Azohydromonas	unclassified
Otu015245	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu015258	0.8528	1	0.923	0.005	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu015302	0.9373	0.6667	0.79	0.025	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu015323	0.9348	1	0.967	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Loktanella	vestfoldensis
Otu015324	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu015382	0.8612	1	0.928	0.003	Bacteria	Verrucomicrobia	Opitutae	Opitutales	Opitutaceae	Opitutus	unclassified
Otu015444	0.9206	0.6667	0.783	0.025	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu015447	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu015464	0.9766	1	0.988	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu015494	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu015496	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Deltaproteobacteria	PB19	unclassified	unclassified	unclassified
Otu015630	0.9637	1	0.982	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu015669	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu015673	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu016066	0.9633	1	0.982	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu016071	0.9636	1	0.982	0.001	Bacteria	Verrucomicrobia	Opitutae	Puniceicoccales	Puniceicoccaceae	Coraliomargarita	unclassified
Otu016208	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu016308	0.9677	1	0.984	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	unclassified	unclassified
Otu016323	1	1	1	0.001	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu016397	0.7036	1	0.839	0.034	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu016576	0.9082	1	0.953	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu016592	0.9622	1	0.981	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu016632	0.9402	0.6667	0.792	0.02	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu016636	0.9639	1	0.982	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Marinomonas	unclassified
Otu016641	0.7356	1	0.858	0.019	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu016644	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu016995	0.8371	0.6667	0.747	0.048	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017044	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017139	0.9662	0.6667	0.803	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017239	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu017341	0.9575	0.6667	0.799	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017465	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu017466	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu017494	0.9499	1	0.975	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu017495	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu017567	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Formosa	unclassified
Otu017596	0.8729	0.6667	0.763	0.012	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	NS9	unclassified	unclassified

Otu017597	0.9672	1	0.983	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu017607	0.9637	1	0.982	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu017610	0.8593	0.6667	0.757	0.016	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu017623	0.9733	1	0.987	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu017625	0.9571	1	0.978	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu017629	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu017920	0.8495	0.6667	0.753	0.033	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu017931	0.9366	1	0.968	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu017997	0.9085	1	0.953	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Thiotrichaceae	CF-26	unclassified
Otu018017	0.907	1	0.952	0.002	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu018019	1	0.6667	0.816	0.009	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu018026	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu018033	1	0.6667	0.816	0.009	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu018048	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	stutzeri
Otu018107	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu018108	0.97	1	0.985	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018141	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu018146	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu018230	0.7842	1	0.886	0.012	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu018234	0.9375	0.6667	0.791	0.026	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018626	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Anaerospora	hongkongensis
Otu018640	0.8942	1	0.946	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu018675	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Phaeobacter	unclassified
Otu018677	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu018699	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu018704	0.9654	1	0.983	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu018711	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu018774	0.9025	0.6667	0.776	0.028	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	unclassified	unclassified
Otu018938	0.9442	1	0.972	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Candidatus_Aquiluna	rubra
Otu019038	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadaceae	Pseudoalteromonas	unclassified
Otu019061	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadaceae	Pseudoalteromonas	porphyrae
Otu019067	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Moritellaceae	Moritella	unclassified
Otu019269	0.9667	1	0.983	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu019416	0.8093	1	0.9	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Photobacterium	angustum
Otu019417	0.8504	1	0.922	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Enterovibrio	unclassified
Otu019617	0.9611	1	0.98	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu019624	0.9726	1	0.986	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu019656	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu019668	0.9003	1	0.949	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu019671	0.9272	0.6667	0.786	0.021	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu019689	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu019693	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu019701	0.9493	1	0.974	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu019911	0.9764	1	0.988	0.001	Bacteria	Verrucomicrobia	Opitutae	Puniceicoccales	Puniceicoccaceae	Coraliomargarita	unclassified
Otu019918	1	1	1	0.001	Bacteria	Verrucomicrobia	Opitutae	Puniceicoccales	Puniceicoccaceae	MB11C04	unclassified
Otu019935	0.9391	0.6667	0.791	0.022	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu019939	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu020052	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020055	0.8458	1	0.92	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020057	0.9157	1	0.957	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020096	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020182	0.9396	0.6667	0.791	0.016	Bacteria	Cyanobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu020296	0.9603	1	0.98	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu020297	0.9617	1	0.981	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020300	0.9719	1	0.986	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020311	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu020340	0.9502	1	0.975	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu021371	0.8174	0.6667	0.738	0.044	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu021373	0.9783	1	0.989	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	unclassified	unclassified
Otu021380	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu021381	0.8463	1	0.92	0.007	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu021396	0.7997	0.6667	0.73	0.043	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	unclassified	unclassified
Otu021420	0.7599	1	0.872	0.012	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Iamiaceae	Iamia	unclassified
Otu021560	0.6877	1	0.829	0.044	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu021953	0.9832	1	0.992	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu021967	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu021978	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu022018	0.9563	1	0.978	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu022060	0.7296	1	0.854	0.022	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu022065	0.9399	0.6667	0.792	0.016	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu022084	0.9791	1	0.989	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu022087	0.9505	1	0.975	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu022093	0.9582	1	0.979	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu022109	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu022114	0.8223	0.6667	0.74	0.033	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Bizionia	unclassified
Otu022127	0.9704	1	0.985	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu022319	1	0.6667	0.816	0.01	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Verrucomicrobium	unclassified
Otu022338	0.9401	1	0.97	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Candidatus_Aquiluna	rubra
Otu022342	0.7498	1	0.866	0.02	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu022348	0.9595	1	0.98	0.001	Bacteria	Verrucomicrobia	unclassified	unclassified	unclassified	unclassified	unclassified
Otu022349	0.8866	1	0.942	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu022480	0.9043	0.6667	0.776	0.026	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadaceae	Pseudoalteromonas	porphyrae
Otu022489	0.916	0.6667	0.781	0.022	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Umboniibacter	unclassified
Otu022494	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadaceae	Pseudoalteromonas	unclassified
Otu022517	0.8991	0.6667	0.774	0.029	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Colwelliaceae	unclassified	unclassified
Otu022526	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu022585	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu022595	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Psychrobacter	pacificensis
Otu022599	0.5964	1	0.772	0.049	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu022605	1	0.6667	0.816	0.009	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu022613	1	0.6667	0.816	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu022619	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu022647	0.9388	0.6667	0.791	0.015	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu022750	0.9254	1	0.962	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu023321	0.8969	0.6667	0.773	0.025	Bacteria	Verrucomicrobia	unclassified	unclassified	unclassified	unclassified	unclassified
Otu023545	0.9042	1	0.951	0.003	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu023816	0.8092	1	0.9	0.008	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu023947	0.8653	0.6667	0.759	0.034	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu024397	0.9717	1	0.986	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu024414	0.7852	1	0.886	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified

Otu024619	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu024770	1	0.6667	0.816	0.009	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu025016	0.8281	1	0.91	0.004	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	unclassified	unclassified
Otu025359	0.9715	1	0.986	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu025373	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu025672	0.9752	1	0.988	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	unclassified	unclassified	unclassified
Otu025697	0.9668	0.6667	0.803	0.01	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	unclassified	unclassified	unclassified
Otu025726	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu025740	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu025746	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu025817	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu025839	0.9638	1	0.982	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu025855	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu025860	0.9492	0.6667	0.795	0.014	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu025873	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu026199	1	0.6667	0.816	0.007	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	unclassified	unclassified
Otu026456	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu026457	0.9561	0.6667	0.798	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu026477	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu026478	0.9318	0.6667	0.788	0.025	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu026498	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu026500	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Formosa	unclassified
Otu026503	0.9827	1	0.991	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu026518	0.8553	1	0.925	0.007	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	unclassified	unclassified
Otu026958	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu027005	0.8437	1	0.919	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu027036	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadaceae	Pseudoalteromonas	unclassified
Otu027314	0.8969	0.6667	0.773	0.025	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Propionigenium	unclassified
Otu028461	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu028548	0.9534	1	0.976	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	unclassified	unclassified
Otu028595	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	OM60	unclassified	unclassified
Otu028600	0.9413	0.6667	0.792	0.015	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	OM60	unclassified	unclassified
Otu028614	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	unclassified	unclassified
Otu028618	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu028642	0.938	0.6667	0.791	0.019	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu028869	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu029180	0.881	1	0.939	0.001	Bacteria	Verrucomicrobia	Opitutae	Puniceicoccales	Puniceicoccaceae	MB11C04	unclassified
Otu029443	0.9682	0.6667	0.803	0.007	Bacteria	Verrucomicrobia	Opitutae	Puniceicoccales	Puniceicoccaceae	Coraliomargarita	unclassified
Otu029663	0.801	1	0.895	0.006	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu029671	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu029707	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu029712	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Formosa	unclassified
Otu029720	0.9235	1	0.961	0.002	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu029722	0.8672	1	0.931	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu029746	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu030608	0.9774	1	0.989	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu031090	0.9433	1	0.971	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu031667	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu032118	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu032293	0.9575	0.6667	0.799	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu032304	0.9291	0.6667	0.787	0.026	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu032307	0.9184	0.6667	0.782	0.023	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu032327	1	0.6667	0.816	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu032345	0.8676	0.6667	0.761	0.023	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Prochlorococcus	unclassified
Otu032423	0.9005	0.6667	0.775	0.03	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu032474	0.9392	0.6667	0.791	0.023	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu032488	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu032492	0.7064	1	0.84	0.017	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu032498	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu032509	1	0.6667	0.816	0.009	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu033181	0.9536	1	0.977	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	Methylotenera	mobilis
Otu033351	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu033352	0.9059	0.6667	0.777	0.025	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu033384	1	1	1	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Azovibrio	unclassified
Otu033495	0.9527	1	0.976	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu033794	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu033819	0.9661	1	0.983	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu033821	0.8649	0.6667	0.759	0.03	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu033859	0.9448	0.6667	0.794	0.014	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu033873	0.7853	1	0.886	0.003	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu033886	0.9715	1	0.986	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu034000	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu034008	0.9468	1	0.973	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu034020	0.9797	1	0.99	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu034095	0.9269	1	0.963	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu034117	0.9404	1	0.97	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu034156	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Erythrobacter	unclassified
Otu034246	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu034272	0.661	1	0.813	0.037	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu034749	0.9636	1	0.982	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacter	unclassified
Otu034764	0.9437	1	0.971	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu034806	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu034824	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu035657	0.9696	1	0.985	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Oleispira	unclassified
Otu035967	0.9508	0.6667	0.796	0.009	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036279	0.9606	0.6667	0.8	0.009	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu036596	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu036907	1	0.6667	0.816	0.01	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu036939	0.9495	1	0.974	0.003	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu036952	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu037244	0.9437	1	0.971	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu037246	0.9666	1	0.983	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu037955	0.9032	1	0.95	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Bizionia	unclassified
Otu037963	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu037971	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu037983	0.9679	1	0.984	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu038107	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu038126	0.9287	1	0.964	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu038179	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu038189	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified

Otu038242	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu038291	0.93	1	0.964	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu038322	0.9707	1	0.985	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu038335	0.9684	0.6667	0.804	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu038371	0.9427	1	0.971	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu038483	0.9672	1	0.983	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu038524	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu038527	0.9873	1	0.994	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	unclassified	unclassified
Otu038546	0.8124	0.6667	0.736	0.042	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu038567	0.943	1	0.971	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Formosa	unclassified
Otu038579	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu038607	0.8475	1	0.921	0.006	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu038729	0.9432	1	0.971	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu038764	0.9166	1	0.957	0.002	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu038796	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu038815	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu038823	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu038842	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu039360	0.9636	1	0.982	0.002	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu039684	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu039785	0.8182	0.6667	0.739	0.045	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu039811	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	NS9	unclassified	unclassified
Otu039954	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu040277	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu040309	1	0.6667	0.816	0.009	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	unclassified	unclassified
Otu040345	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu040427	0.9563	1	0.978	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu040512	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	211ds20	unclassified	unclassified
Otu040535	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu040544	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu040550	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu041027	1	0.6667	0.816	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Pseudanabaenales	Pseudanabaenaceae	Halomicronema	unclassified
Otu041271	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu041599	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu041856	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu041859	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Polaribacter	unclassified
Otu042265	0.919	0.6667	0.783	0.022	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu042274	0.9786	1	0.989	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu042320	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu042379	0.8716	1	0.934	0.002	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Formosa	unclassified
Otu042402	0.9063	0.6667	0.777	0.021	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu045988	0.806	1	0.898	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	unclassified	unclassified
Otu046257	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu046503	0.9559	1	0.978	0.001	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Campylobacteraceae	Arcobacter	unclassified
Otu046525	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Campylobacteraceae	Arcobacter	unclassified
Otu046536	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu046539	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu046547	0.9399	0.6667	0.792	0.016	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu046580	0.7851	0.6667	0.723	0.047	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu046754	0.9492	0.6667	0.795	0.014	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu047014	0.951	0.6667	0.796	0.015	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu047024	0.9761	1	0.988	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu047692	0.8975	1	0.947	0.001	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu047744	1	0.6667	0.816	0.007	unknown	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu048318	0.8913	0.6667	0.771	0.024	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	unclassified	unclassified
Otu048512	0.7467	1	0.864	0.014	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	unclassified	unclassified
Otu048562	0.7616	1	0.873	0.016	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	unclassified	unclassified
Otu049550	0.9618	1	0.981	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	unclassified	unclassified
Otu049901	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadaceae	Pseudoalteromonas	unclassified
Otu049903	0.9593	1	0.979	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu050050	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu050063	0.9144	0.6667	0.781	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu050206	0.9399	0.6667	0.792	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Thiotrichaceae	Cocleimonas	unclassified
Otu050256	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu050281	0.8643	0.6667	0.759	0.03	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu050289	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu050980	0.9056	1	0.952	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Candidatus_Rhodoluna	unclassified
Otu051027	0.9186	1	0.958	0.003	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu051059	0.9778	1	0.989	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu051143	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu051218	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu051219	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu051220	0.9185	0.6667	0.783	0.019	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	ZA3409c	unclassified	unclassified
Otu051225	0.9006	0.6667	0.775	0.022	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu051252	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu051269	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu051716	0.9505	0.6667	0.796	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	unclassified	unclassified	unclassified
Otu051884	0.8998	0.6667	0.775	0.033	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu051945	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu052124	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu052811	0.604	1	0.777	0.047	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu052967	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu052993	0.9632	1	0.981	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu052994	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu053011	0.9066	1	0.952	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu053046	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu053560	0.8621	0.6667	0.758	0.046	Bacteria	Proteobacteria	Gammaproteobacteria	Marinicellales	Marinicellaceae	unclassified	unclassified
Otu053653	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu054286	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu055244	0.9441	1	0.972	0.002	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu055981	0.8138	1	0.902	0.008	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu055992	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu056517	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu057696	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	unclassified	unclassified
Otu057718	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	unclassified	unclassified
Otu058499	0.9561	0.6667	0.798	0.007	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	JTB248	unclassified
Otu061848	0.9406	1	0.97	0.002	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu061901	0.9386	0.6667	0.791	0.023	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu061976	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu062070	0.9781	1	0.989	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified

Otu062079	0.9676	0.6667	0.803	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu062096	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Phaeobacter	unclassified
Otu062153	0.9399	1	0.97	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu062175	0.9613	1	0.98	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu062232	0.984	1	0.992	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu062251	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Hyphomonadaceae	Hirschia	baltica
Otu063607	0.9586	1	0.979	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu063639	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu063681	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu065251	0.9031	0.6667	0.776	0.018	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065320	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065324	0.9067	1	0.952	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065333	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065365	0.9737	1	0.987	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu065370	0.9428	0.6667	0.793	0.014	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu065448	0.9198	0.6667	0.783	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Psychrobacter	pacificensis
Otu065466	0.7391	1	0.86	0.02	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu065485	0.8156	1	0.903	0.008	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065493	0.8375	0.6667	0.747	0.034	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065690	0.9494	0.6667	0.796	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065711	0.7424	1	0.862	0.012	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu065730	0.8287	1	0.91	0.002	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065749	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu065754	1	0.6667	0.816	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu068218	0.9055	0.6667	0.777	0.011	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	unclassified	unclassified
Otu072414	1	0.6667	0.816	0.01	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Rubritalea	unclassified
Otu072462	0.8369	1	0.915	0.006	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu073593	0.8769	0.6667	0.765	0.034	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae	Shewanella	benthica
Otu074105	0.8987	1	0.948	0.002	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu074123	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu074254	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu074785	0.9398	1	0.969	0.001	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	unclassified	unclassified	unclassified
Otu075854	0.9853	1	0.993	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu075858	0.8817	1	0.939	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu075919	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu076842	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu076875	0.9526	0.6667	0.797	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu076936	0.9759	1	0.988	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Pseudoruegeria	unclassified
Otu077012	0.9772	1	0.989	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu077119	0.9548	1	0.977	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu077126	0.9573	1	0.978	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu077237	0.981	1	0.99	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu077267	0.7346	1	0.857	0.011	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu077275	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Marivita	unclassified
Otu077308	0.9483	1	0.974	0.002	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Phaeobacter	unclassified
Otu077340	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu077345	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu077350	0.9534	1	0.976	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu077801	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu078780	0.9533	1	0.976	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu078854	0.9082	1	0.953	0.002	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu078876	0.9186	0.6667	0.783	0.024	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu078883	0.9825	1	0.991	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu078929	0.8614	1	0.928	0.007	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu079006	0.8482	1	0.921	0.003	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu079018	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu079028	0.9798	0.6667	0.808	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu079037	0.9373	0.6667	0.79	0.022	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu079778	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu080370	0.8206	1	0.906	0.004	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu080511	0.8198	0.6667	0.739	0.04	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu081116	0.9339	1	0.966	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu081117	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu082421	0.9133	0.6667	0.78	0.01	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu082427	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu084181	0.9497	1	0.975	0.002	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu084381	0.9735	1	0.987	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu084396	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu084404	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu084440	0.9861	1	0.993	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu084482	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	wb1_P06	unclassified	unclassified
Otu084526	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu084543	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu084571	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu084579	1	0.6667	0.816	0.01	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu084583	1	0.6667	0.816	0.009	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu084594	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu084652	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu085025	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	unclassified	unclassified
Otu085503	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Colwelliaceae	unclassified	unclassified
Otu085525	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadaceae	Pseudoalteromonas	unclassified
Otu085547	0.8436	1	0.918	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu085571	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadaceae	Pseudoalteromonas	unclassified
Otu085928	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu085934	0.9338	0.6667	0.789	0.023	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu087366	0.9212	0.6667	0.784	0.026	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	unclassified	unclassified
Otu091152	0.8799	0.6667	0.766	0.026	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	unclassified	unclassified
Otu101873	0.9028	1	0.95	0.002	Archaea	Euryarchaeota	Thermoplasmata	E2	Marine_group_II	unclassified	unclassified
Otu107332	0.89	0.6667	0.77	0.028	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu108562	0.9488	0.6667	0.795	0.019	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu109454	0.9488	0.6667	0.795	0.019	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu110106	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu110313	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu110784	0.9413	0.6667	0.792	0.015	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu111378	0.8654	0.6667	0.76	0.038	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu113951	0.8691	1	0.932	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu116238	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu116422	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu116453	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu116570	0.9677	1	0.984	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Formosa	unclassified

Otu116596	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu116597	0.9824	1	0.991	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu116601	0.8261	0.6667	0.742	0.049	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu116684	0.9392	0.6667	0.791	0.023	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu116707	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu116714	0.9399	0.6667	0.792	0.016	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu116741	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu116744	0.9502	1	0.975	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu116780	0.9517	1	0.976	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu116785	0.9364	1	0.968	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Sediminicola	unclassified
Otu116840	0.9504	1	0.975	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu116843	0.9566	1	0.978	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu116854	0.973	1	0.986	0.001	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu116914	0.9369	0.6667	0.79	0.026	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu117272	0.8371	1	0.915	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu117442	0.9501	1	0.975	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu118104	0.8605	0.6667	0.757	0.037	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu118154	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu118175	0.9711	0.6667	0.805	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu118238	0.6385	1	0.799	0.037	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Polaribacter	unclassified
Otu118262	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	NS9	unclassified	unclassified
Otu118371	0.9904	1	0.995	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu118443	0.9456	0.6667	0.794	0.021	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu118546	0.9012	0.6667	0.775	0.016	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Lacinutrix	unclassified
Otu118550	0.9596	1	0.98	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu118584	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu118591	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu118655	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu118686	0.8317	1	0.912	0.006	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu118697	0.8674	0.6667	0.76	0.044	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu118701	0.8833	1	0.94	0.003	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu118921	0.7405	1	0.861	0.012	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu118960	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu119034	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu119119	0.9413	0.6667	0.792	0.015	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu119181	0.8653	1	0.93	0.005	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu119182	0.8221	1	0.907	0.014	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu119208	0.9812	1	0.991	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu119214	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Olleya	unclassified
Otu119232	0.8291	1	0.911	0.011	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu119347	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu119421	0.9615	1	0.981	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu119518	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Formosa	unclassified
Otu119531	0.959	1	0.979	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu119593	0.9708	1	0.985	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu119600	0.9382	1	0.969	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu119655	0.916	0.6667	0.781	0.026	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu119806	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu119816	0.9142	1	0.956	0.003	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu119887	0.8942	1	0.946	0.004	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu119971	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu120086	0.9565	0.6667	0.799	0.015	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Formosa	unclassified
Otu120187	0.9287	0.6667	0.787	0.015	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu120189	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu120880	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	unclassified	unclassified
Otu125013	0.8646	0.6667	0.759	0.025	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu125073	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu125330	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu125502	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu125518	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu125579	0.7752	1	0.88	0.018	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu125647	1	0.6667	0.816	0.009	Bacteria	Planctomycetes	Planctomycetia	Pirellulales	Pirellulaceae	unclassified	unclassified
Otu125714	0.9548	0.6667	0.798	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu125925	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu126010	0.9635	1	0.982	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu126046	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu126113	0.9383	0.6667	0.791	0.026	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu126115	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu126135	0.9663	0.6667	0.803	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu126758	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu127192	0.941	0.6667	0.792	0.015	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu127218	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu127331	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu127416	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu127872	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu128443	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu129153	1	0.6667	0.816	0.007	Bacteria	Verrucomicrobia	Opitutae	Puniceicoccales	Puniceicoccaceae	Coraliomargarita	unclassified
Otu129311	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu129406	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	unclassified	unclassified
Otu129888	0.9226	1	0.961	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	unclassified	unclassified	unclassified
Otu129906	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu129994	1	1	1	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	unclassified	unclassified
Otu129998	0.9123	0.6667	0.78	0.015	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Oxalobacteraceae	Polynucleobacter	unclassified
Otu130115	0.9388	0.6667	0.791	0.015	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	unclassified	unclassified
Otu130854	0.8094	0.6667	0.735	0.05	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu131583	0.9824	1	0.991	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	unclassified	unclassified	unclassified
Otu131693	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu131809	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu132172	0.9703	1	0.985	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu132354	0.9754	1	0.988	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu132365	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu132400	0.9738	1	0.987	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu132412	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu132927	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu133165	0.9872	1	0.994	0.001	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	Methylotenera	mobilis
Otu133167	0.9338	0.6667	0.789	0.023	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	unclassified	unclassified
Otu133291	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu133296	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Loktanella	vestfoldensis
Otu133313	0.9742	1	0.987	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu133318	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified

Otu133403	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu133751	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu133769	0.9723	1	0.986	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu133871	0.942	0.6667	0.792	0.022	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Phaeobacter	unclassified
Otu133915	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu133929	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu133956	0.8032	1	0.896	0.006	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu133959	0.82	0.6667	0.739	0.041	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu133993	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacter	unclassified
Otu134019	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu134021	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu134029	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu134115	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu134128	0.929	1	0.964	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu134594	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu134642	0.9676	0.6667	0.803	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	unclassified	unclassified
Otu137032	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu139245	1	1	1	0.001	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	NS11-12	unclassified	unclassified
Otu140409	0.972	1	0.986	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu140449	0.9037	1	0.951	0.003	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu140450	1	0.6667	0.816	0.009	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu140532	1	1	1	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu140736	1	1	1	0.001	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	NS11-12	unclassified	unclassified
Otu140996	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu141001	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu141060	0.9005	0.6667	0.775	0.03	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu141193	0.863	0.6667	0.758	0.02	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Campylobacteraceae	Arcobacter	unclassified
Otu142574	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Hyphomonadaceae	Hirschia	baltica
Otu143388	0.9011	1	0.949	0.003	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	NS9	unclassified	unclassified
Otu143624	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu144040	0.8684	0.6667	0.761	0.034	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu144907	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu144999	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu145243	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Pelagibacteraceae	unclassified	unclassified
Otu145501	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu148604	0.9747	1	0.987	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	PB19	unclassified	unclassified	unclassified
Otu148655	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu148664	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu148690	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu149202	1	0.6667	0.816	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu149206	0.7509	1	0.867	0.006	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu149393	0.951	0.6667	0.796	0.015	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Thiotrichaceae	Leucothrix	unclassified
Otu149902	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Psychrobacter	pacificensis
Otu150168	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Psychrobacter	pacificensis
Otu150206	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Psychrobacter	marincola
Otu152236	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Aliivibrio	fischeri
Otu152290	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	unclassified	unclassified
Otu154346	0.8488	0.6667	0.752	0.037	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Aliivibrio	fischeri
Otu155856	0.7141	1	0.845	0.036	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	unclassified	unclassified
Otu158011	0.9142	0.6667	0.781	0.033	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu158043	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Glaciecola	unclassified
Otu158056	0.9039	1	0.951	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu158592	0.9587	1	0.979	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu159196	0.947	0.6667	0.795	0.018	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Pseudoalteromonadaceae	Pseudoalteromonas	unclassified
Otu159233	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu159252	0.912	0.6667	0.78	0.025	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae	Shewanella	pacifica
Otu159392	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu159526	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu159722	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu159888	0.9494	0.6667	0.796	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu159900	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu159929	0.951	1	0.975	0.002	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu160160	0.9624	1	0.981	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu160308	0.964	1	0.982	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	unclassified	unclassified
Otu160429	0.9769	1	0.988	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu160644	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu160840	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu160925	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Hyphomonadaceae	Hirschia	baltica
Otu160932	0.9632	1	0.981	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu160972	0.9545	1	0.977	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu161010	0.9719	1	0.986	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	unclassified	unclassified
Otu161062	1	0.6667	0.816	0.01	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu161076	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu161202	0.9005	0.6667	0.775	0.03	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu161257	0.9092	1	0.953	0.002	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu161309	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu161314	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu161315	0.9428	1	0.971	0.002	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu161669	0.9471	0.6667	0.795	0.021	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu161747	0.9603	0.6667	0.8	0.015	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu161905	1	0.6667	0.816	0.01	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu161914	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu161946	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu162329	1	0.6667	0.816	0.007	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu162343	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu162490	1	0.6667	0.816	0.007	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu162517	1	1	1	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu163322	0.8845	0.6667	0.768	0.025	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	unclassified	unclassified
Otu172128	1	0.6667	0.816	0.009	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu174651	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu174994	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu175064	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu175133	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu175253	0.9262	0.6667	0.786	0.023	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu175484	0.919	0.6667	0.783	0.022	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu175737	0.9005	0.6667	0.775	0.03	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	unclassified	unclassified	unclassified
Otu175936	1	1	1	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu175966	0.7091	1	0.842	0.028	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Paulinella	unclassified
Otu176232	1	0.6667	0.816	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu176240	0.8412	1	0.917	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified

Otu176277	0.7396	1	0.86	0.022	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu176476	0.9276	1	0.963	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu176686	0.9073	0.6667	0.778	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Marinomonas	primoryensis
Otu176754	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	unclassified
Otu177271	0.9398	0.6667	0.792	0.028	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu178224	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu178252	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	unclassified
Otu178524	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu178557	0.9582	0.6667	0.799	0.012	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu178739	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu178954	0.8815	1	0.939	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Cobetia	unclassified
Otu178987	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Candidatus_Portiera	unclassified
Otu179340	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu182832	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu183266	0.8877	1	0.942	0.003	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu183356	0.911	1	0.954	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu183527	0.9029	1	0.95	0.003	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	unclassified	unclassified
Otu183572	0.8191	0.6667	0.739	0.037	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu183596	0.7927	1	0.89	0.007	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	unclassified
Otu185557	0.8807	1	0.938	0.002	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu185641	1	0.6667	0.816	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	unclassified	unclassified
Otu185919	1	0.6667	0.816	0.009	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified
Otu186294	1	0.6667	0.816	0.007	Bacteria	GN02	BD1-5	unclassified	unclassified	unclassified	unclassified
Otu187123	0.9171	0.6667	0.782	0.028	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu187136	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu195571	1	0.6667	0.816	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu195697	0.9066	0.6667	0.777	0.025	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu200944	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu206949	0.8613	1	0.928	0.007	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu207167	0.9679	1	0.984	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	unclassified
Otu211339	0.9391	0.6667	0.791	0.026	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	unclassified	unclassified	unclassified
Otu211355	0.827	1	0.909	0.003	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu211757	0.8633	1	0.929	0.005	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu212317	0.9291	0.6667	0.787	0.026	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Hyphomonadaceae	Hirschia	baltica
Otu212714	0.978	1	0.989	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	unclassified	unclassified
Otu213331	0.9488	0.6667	0.795	0.019	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu215545	0.9501	1	0.975	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu215692	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu217137	0.934	1	0.966	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	unclassified	unclassified	unclassified
Otu226675	1	1	1	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu227006	0.9209	1	0.96	0.001	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu227573	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	unclassified	unclassified	unclassified	unclassified	unclassified
Otu227591	0.9417	0.6667	0.792	0.007	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu227982	1	1	1	0.001	Bacteria	unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu228243	0.8576	0.6667	0.756	0.023	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Rickettsiaceae	unclassified	unclassified
Otu232100	0.902	1	0.95	0.002	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	unclassified
Otu232871	0.9413	0.6667	0.792	0.015	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	unclassified	unclassified	unclassified
Otu240643	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu241506	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu243787	0.9255	0.6667	0.785	0.03	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu244233	0.941	0.6667	0.792	0.015	Bacteria	Proteobacteria	Betaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu251151	0.8725	0.6667	0.763	0.041	Bacteria	Proteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified	unclassified
Otu278236	0.9059	0.6667	0.777	0.025	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	unclassified	unclassified
Otu289795	1	0.6667	0.816	0.007	Archaea	Euryarchaeota	Thermoplasmata	E2	Marine_group_II	unclassified	unclassified
Otu306924	1	0.6667	0.816	0.007	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	unclassified	unclassified
Otu349126	0.9396	1	0.969	0.002	Bacteria	Bacteroidetes	unclassified	unclassified	unclassified	unclassified	unclassified

Suppl. Table 3 Summary of the indicator species (i.e., OTUs) analysis performed by the function multipatt only for the two *A. infundibuliformis* groups. Shown are 'Rest' and 'Stat' as values of the statistic for selecting the indicator OTUs. Only OTUs with significant *p* values ≤ 0.05 are summarized. In addition for each OTU, Greengenes classification results are added from phylum to species level if available.

Otus	*Axinella infundibuliformis* shallow	Rest	stat	p value	Domain	Phylum	Class	Order	Family	Genus	Species
Otu094777	0.8108	1	0.9	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu094642	0.8062	0.6667	0.733	0.031	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu093768	0.9093	1	0.954	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu068072	0.7835	1	0.885	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu062572	0.95	0.6667	0.796	0.012	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu048942	0.8702	1	0.933	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu047355	0.7763	1	0.881	0.012	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu047308	0.827	0.6667	0.743	0.023	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu046395	0.7963	0.6667	0.729	0.037	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu046372	0.8134	0.6667	0.736	0.049	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu043432	0.856	1	0.925	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu040608	0.8487	1	0.921	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu035981	0.8268	0.6667	0.742	0.039	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu035838	0.8248	0.6667	0.742	0.033	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu031597	0.7991	1	0.894	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu030901	0.7231	0.6667	0.694	0.046	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu028848	0.8691	1	0.932	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu028358	0.8909	1	0.944	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu027941	0.8059	0.6667	0.733	0.015	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu027885	0.8218	0.6667	0.74	0.03	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu025148	0.8945	1	0.946	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu025067	0.7965	1	0.892	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu024937	0.8177	1	0.904	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu024771	0.817	1	0.904	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu022894	0.7939	1	0.891	0.012	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu022881	0.7771	1	0.882	0.014	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu021858	0.8241	1	0.908	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu021287	0.7886	1	0.888	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019487	0.7675	1	0.876	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019405	0.8313	1	0.912	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019258	0.8191	1	0.905	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019233	0.8573	1	0.926	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019072	0.8679	1	0.932	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019019	0.8519	1	0.923	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019011	0.816	1	0.903	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019001	0.8118	1	0.901	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu018973	0.8646	1	0.93	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu017749	0.8475	0.6667	0.752	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu016249	0.8256	1	0.909	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu016238	0.8225	1	0.907	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu015681	0.7765	1	0.881	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu015370	0.8063	1	0.898	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu015239	0.7829	1	0.885	0.012	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu015221	0.7929	1	0.89	0.014	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu015057	0.8189	0.6667	0.739	0.043	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu014951	0.7576	1	0.87	0.018	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu014833	0.8074	1	0.899	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu014643	0.9035	0.6667	0.776	0.022	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu014589	0.8376	1	0.915	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu013849	0.8461	1	0.92	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu013658	0.8417	1	0.917	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu012751	0.8513	0.6667	0.753	0.018	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu012362	0.797	1	0.893	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu012309	0.8138	1	0.902	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu011440	0.7896	1	0.889	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu010379	0.8534	1	0.924	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu010311	0.7288	1	0.854	0.026	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009854	0.8219	1	0.907	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009849	0.8045	1	0.897	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009847	0.7861	0.6667	0.724	0.04	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009768	0.8174	1	0.904	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009086	0.8024	1	0.896	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009079	0.7979	1	0.893	0.012	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu008885	0.9334	0.6667	0.789	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu008208	0.7997	1	0.894	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu008196	0.7949	1	0.892	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu007911	0.8225	1	0.907	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu007904	0.882	0.6667	0.767	0.009	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu007001	0.772	1	0.879	0.014	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu006886	0.8072	1	0.898	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu006316	0.8352	1	0.914	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu005169	0.794	1	0.891	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu005164	0.787	0.6667	0.724	0.016	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu003602	0.8006	1	0.895	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu003584	0.7886	1	0.888	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu003072	0.6247	1	0.79	0.037	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu001422	0.8898	1	0.943	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu000729	0.8068	1	0.898	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019322	0.877	1	0.936	0.003	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	C111	C111 unclassified	unclassified
Otu008050	0.8701	1	0.933	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	C111	C111 unclassified	unclassified
Otu161257	0.8051	0.6667	0.733	0.05	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155	OCS155 unclassified	unclassified
Otu084559	0.8699	1	0.933	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	SC3-41	SC3-41 unclassified	unclassified
Otu037843	0.8949	1	0.946	0.001	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	SC3-41	SC3-41 unclassified	unclassified

Otu001374	0.9229	1	0.961	0.002	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	TK06	TK06 unclassified	unclassified
Otu008008	0.7211	1	0.849	0.033	Bacteria	Actinobacteria	Actinobacteria	Actinobacteria unclassified	unclassified	unclassified	unclassified
Otu002305	0.7899	1	0.889	0.027	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetales unclassified	unclassified	unclassified
Otu227930	0.9311	0.6667	0.788	0.006	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu103149	0.8546	0.6667	0.755	0.022	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu100239	0.8745	0.6667	0.764	0.012	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu046580	0.946	0.6667	0.794	0.011	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu046302	0.9089	0.6667	0.778	0.012	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu018469	0.8127	1	0.901	0.011	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu012705	0.8571	1	0.926	0.005	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu012358	0.893	0.6667	0.772	0.011	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu012356	0.8713	0.6667	0.762	0.011	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003242	0.9237	1	0.961	0.003	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu119887	0.8579	1	0.926	0.005	Bacteria	Bacteroidetes	Bacteroidetes unclassified	unclassified	unclassified	unclassified	unclassified
Otu047076	0.832	0.6667	0.745	0.037	Bacteria	Bacteroidetes	Bacteroidetes unclassified	unclassified	unclassified	unclassified	unclassified
Otu006795	0.775	1	0.88	0.018	Bacteria	Bacteroidetes	Bacteroidetes unclassified	unclassified	unclassified	unclassified	unclassified
Otu004011	0.9222	1	0.96	0.002	Bacteria	Bacteroidetes	Bacteroidetes unclassified	unclassified	unclassified	unclassified	unclassified
Otu003666	0.9274	1	0.963	0.002	Bacteria	Bacteroidetes	Bacteroidetes unclassified	unclassified	unclassified	unclassified	unclassified
Otu015089	0.8761	0.6667	0.764	0.021	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	JTB248	JTB248 unclassified
Otu006693	0.9151	1	0.957	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	Fluviicola unclassified
Otu211355	0.8048	1	0.897	0.011	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae unclassified	unclassified
Otu116861	0.8987	0.6667	0.774	0.011	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae unclassified	unclassified
Otu041660	0.7884	0.6667	0.725	0.048	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae unclassified	unclassified
Otu022060	0.7845	0.6667	0.723	0.035	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae unclassified	unclassified
Otu017459	1	1	1	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae unclassified	unclassified
Otu007496	0.8531	1	0.924	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae unclassified	unclassified
Otu003757	0.8094	1	0.9	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae unclassified	unclassified
Otu321727	0.8965	0.6667	0.773	0.019	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Polaribacter	Polaribacter unclassified
Otu211877	0.8878	0.6667	0.769	0.01	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriales unclassified	unclassified	unclassified
Otu118209	0.8603	1	0.927	0.003	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriales unclassified	unclassified	unclassified
Otu014867	0.9302	1	0.964	0.001	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriales unclassified	unclassified	unclassified
Otu021656	0.9872	1	0.994	0.001	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	Saprospira	Saprospira unclassified
Otu016096	0.882	0.6667	0.767	0.019	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	Saprospira	Saprospira unclassified
Otu139019	0.8942	0.6667	0.772	0.019	Bacteria	Bacteroidetes	Saprospirae	Saprospirales	Saprospiraceae	Saprospiraceae unclassified	unclassified
Otu008163	0.9248	0.6667	0.785	0.01	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	NS11-12	NS11-12 unclassified	unclassified
Otu027109	0.9219	1	0.96	0.001	Bacteria	Chloroflexi	SAR202	SAR202 unclassified	unclassified	unclassified	unclassified
Otu008875	0.8614	1	0.928	0.002	Bacteria	Chloroflexi	SAR202	SAR202 unclassified	unclassified	unclassified	unclassified
Otu175966	0.8535	0.6667	0.754	0.039	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Paulinella	Paulinella unclassified
Otu149206	0.866	0.6667	0.76	0.015	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu118921	0.8425	0.6667	0.749	0.018	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu118721	0.8707	0.6667	0.762	0.016	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu065493	0.9255	0.6667	0.785	0.009	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu065491	0.8595	0.6667	0.757	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu065295	0.7859	0.6667	0.724	0.033	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu032492	0.8774	0.6667	0.765	0.024	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu022612	0.7926	0.6667	0.727	0.044	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu010182	0.8836	0.6667	0.768	0.012	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu008066	0.8734	0.6667	0.763	0.011	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu007473	0.8708	0.6667	0.762	0.014	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu007469	0.9666	1	0.983	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu004653	0.973	0.6667	0.805	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu004547	0.9435	0.6667	0.793	0.011	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu002431	0.9638	1	0.982	0.001	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu001723	0.8424	0.6667	0.749	0.013	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu000717	0.8951	0.6667	0.772	0.006	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcaceae unclassified	unclassified
Otu183596	0.8684	0.6667	0.761	0.012	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	Synechococcus unclassified
Otu176250	0.8455	0.6667	0.751	0.018	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	Synechococcus unclassified
Otu118879	0.8545	0.6667	0.755	0.024	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	Synechococcus unclassified
Otu118686	0.8205	0.6667	0.74	0.023	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	Synechococcus unclassified
Otu065711	0.8727	0.6667	0.763	0.018	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	Synechococcus unclassified
Otu065337	0.9457	0.6667	0.794	0.01	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	Synechococcus unclassified
Otu022599	0.8458	1	0.92	0.002	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	Synechococcus unclassified
Otu011357	0.9268	0.6667	0.786	0.006	Bacteria	Cyanobacteria	Synechococcophycideae	Synechococcales	Synechococcaceae	Synechococcus	Synechococcus unclassified
Otu003589	0.7942	0.6667	0.728	0.049	Bacteria	Gemmatimonadetes	Gemm-2	Gemm-2 unclassified	unclassified	unclassified	unclassified
Otu060131	0.8744	1	0.935	0.003	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	Nitrospiraceae unclassified	unclassified
Otu043335	0.8411	1	0.917	0.006	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	Nitrospiraceae unclassified	unclassified
Otu003184	0.8487	1	0.921	0.005	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	Nitrospiraceae unclassified	unclassified
Otu000144	0.8476	1	0.921	0.005	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	Nitrospiraceae unclassified	unclassified
Otu225454	0.9147	0.6667	0.781	0.012	Bacteria	Planctomycetes	OM190	CL500-15	CL500-15 unclassified	unclassified	unclassified
Otu019483	0.8714	1	0.933	0.001	Bacteria	Planctomycetes	OM190	CL500-15	CL500-15 unclassified	unclassified	unclassified
Otu022040	0.8731	1	0.934	0.001	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaerales unclassified	unclassified	unclassified
Otu006817	0.8503	1	0.922	0.001	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaerales unclassified	unclassified	unclassified
Otu002742	0.8622	1	0.929	0.001	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaerales unclassified	unclassified	unclassified
Otu222567	0.9792	1	0.99	0.001	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	Planctomyces unclassified
Otu041134	0.8771	1	0.937	0.002	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	Planctomyces unclassified
Otu032760	0.9336	1	0.966	0.001	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	Planctomyces unclassified
Otu019765	0.8667	0.6667	0.76	0.02	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	Planctomyces unclassified
Otu008310	0.9423	1	0.971	0.001	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	Planctomyces unclassified
Otu005939	0.8396	1	0.916	0.002	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	Planctomyces unclassified
Otu004203	0.8658	1	0.931	0.003	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	Planctomyces unclassified
Otu080821	0.8674	1	0.931	0.004	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu079862	0.8222	0.6667	0.74	0.025	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu056797	0.8859	1	0.941	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu034272	0.8834	1	0.94	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu033873	0.7277	1	0.853	0.022	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu024592	0.8039	1	0.897	0.005	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu024414	0.8082	0.6667	0.734	0.03	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu011946	0.9217	1	0.96	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified

Otu010818	0.8896	1	0.943	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu006577	0.8705	1	0.933	0.006	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu005253	0.9367	1	0.968	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu005116	0.9857	1	0.993	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu002941	0.8486	0.6667	0.752	0.028	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu062087	0.9343	1	0.967	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Loktanella	Loktanella salsilacus
Otu142563	0.9372	0.6667	0.79	0.013	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	Octadecabacter unclassified
Otu077267	0.7649	1	0.875	0.006	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Octadecabacter	Octadecabacter unclassified
Otu061680	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Phaeobacter	Phaeobacter unclassified
Otu149554	0.964	0.6667	0.802	0.006	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Pseudoruegeria	Pseudoruegeria unclassified
Otu133959	0.9335	0.6667	0.789	0.005	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae unclassified	unclassified
Otu079006	0.7892	0.6667	0.725	0.038	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae unclassified	unclassified
Otu078923	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae unclassified	unclassified
Otu077130	0.9627	1	0.981	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae unclassified	unclassified
Otu018640	0.76	1	0.872	0.025	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae unclassified	unclassified
Otu015104	0.9339	1	0.966	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae unclassified	unclassified
Otu000838	0.7695	1	0.877	0.02	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae unclassified	unclassified
Otu004101	0.8272	1	0.909	0.008	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacterales unclassified	unclassified	unclassified
Otu080370	0.8461	1	0.92	0.004	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Rhodospirillaceae unclassified	unclassified
Otu059154	0.7985	0.6667	0.73	0.026	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Rhodospirillaceae unclassified	unclassified
Otu055727	0.8593	1	0.927	0.002	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Rhodospirillaceae unclassified	unclassified
Otu023816	0.8739	0.6667	0.763	0.021	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Rhodospirillaceae unclassified	unclassified
Otu021560	0.8271	1	0.909	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Rhodospirillaceae unclassified	unclassified
Otu018230	0.8593	1	0.927	0.006	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Rhodospirillaceae unclassified	unclassified
Otu008256	0.9207	1	0.96	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Rhodospirillaceae unclassified	unclassified
Otu048559	0.866	1	0.931	0.003	Bacteria	Proteobacteria	Betaproteobacteria	Betaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu010968	0.7599	1	0.872	0.002	Bacteria	Proteobacteria	Betaproteobacteria	Betaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu010354	0.852	1	0.923	0.004	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio	Bdellovibrio unclassified
Otu035923	0.9559	1	0.978	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Cystobacterineae	Cystobacterineae unclassified	unclassified
Otu139538	0.9109	0.6667	0.779	0.006	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Myxococcales unclassified	unclassified	unclassified
Otu043576	0.9084	0.6667	0.778	0.006	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Myxococcales unclassified	unclassified	unclassified
Otu026968	0.9439	1	0.972	0.001	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	OM27	OM27 unclassified	unclassified
Otu005402	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Deltaproteobacteria	Spirobacillales	Spirobacillales unclassified	unclassified	unclassified
Otu020000	0.8831	0.6667	0.767	0.008	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Helicobacteraceae	Helicobacteraceae unclassified	unclassified
Otu158589	0.9014	1	0.949	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	HTCC2207	HTCC2207 unclassified
Otu028611	0.9019	0.6667	0.775	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Microbulbifer	Microbulbifer unclassified
Otu123690	0.8522	0.6667	0.754	0.015	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadales unclassified	unclassified	unclassified
Otu121450	0.9803	0.6667	0.808	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadales unclassified	unclassified	unclassified
Otu110271	0.8476	0.6667	0.752	0.02	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadales unclassified	unclassified	unclassified
Otu085547	0.7561	1	0.87	0.024	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadales unclassified	unclassified	unclassified
Otu006014	0.8509	1	0.922	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadales unclassified	unclassified	unclassified
Otu016641	0.8035	1	0.896	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	HTCC unclassified
Otu008277	0.81	1	0.9	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	HTCC unclassified
Otu002028	0.8382	1	0.916	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	HTCC2188	HTCC	HTCC unclassified
Otu011993	0.8957	1	0.946	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	OM60	OM60 unclassified	unclassified
Otu122390	1	0.6667	0.816	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Enterobacteriaceae unclassified	unclassified
Otu031704	0.8919	0.6667	0.771	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Enterobacteriaceae unclassified	unclassified
Otu013513	0.9782	1	0.989	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Enterobacteriaceae unclassified	unclassified
Otu262863	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu259625	0.8593	0.6667	0.757	0.024	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu257013	0.9356	1	0.967	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu252313	0.9595	1	0.98	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu251699	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu251484	0.9533	1	0.976	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu246892	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu240225	0.9428	1	0.971	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu240018	0.9547	1	0.977	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu237000	0.9389	0.6667	0.791	0.021	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu220169	0.9713	1	0.986	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu218880	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu217528	0.91	1	0.954	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu215775	0.9574	1	0.978	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu206069	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu174598	0.9683	0.6667	0.803	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu129207	0.9761	1	0.988	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu128129	0.924	1	0.961	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu127072	0.9377	1	0.968	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu126871	0.879	0.6667	0.766	0.012	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu126595	0.9248	1	0.962	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu125579	0.8897	1	0.943	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu124821	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu124518	0.9463	1	0.973	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu124374	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu124295	0.9202	0.6667	0.783	0.012	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu123893	0.9761	1	0.988	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu123201	0.9349	1	0.967	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu122464	0.9487	0.6667	0.795	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu121900	0.9151	1	0.957	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu121803	0.8852	0.6667	0.768	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu121795	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu121788	0.9395	1	0.969	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu121434	0.9467	0.6667	0.794	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu120747	0.9339	1	0.966	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu120711	0.9631	1	0.981	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu117940	0.9832	1	0.992	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu117884	0.9541	1	0.977	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu111028	0.8904	0.6667	0.77	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu110337	0.8639	0.6667	0.759	0.046	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified

Otu110251	0.9027	1	0.95	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu110247	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu109884	0.9469	1	0.973	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu109528	0.9137	1	0.956	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu108091	0.9291	0.6667	0.787	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu066273	0.9096	1	0.954	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu065662	0.9341	1	0.967	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu064765	0.9618	1	0.981	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu063716	0.8727	0.6667	0.763	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu063692	0.9375	1	0.968	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu063030	0.9346	1	0.967	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu060722	0.9765	1	0.988	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu060538	0.9752	1	0.988	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu057808	0.9476	1	0.973	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu057419	0.965	1	0.982	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu057191	0.9538	1	0.977	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu057172	0.9465	1	0.973	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu057083	1	0.6667	0.816	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu057077	0.949	1	0.974	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu054125	0.9285	1	0.964	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu053691	0.9398	0.6667	0.792	0.011	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu053648	0.9491	1	0.974	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu052811	0.8544	1	0.924	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu052808	0.9043	0.6667	0.776	0.012	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu052275	0.9307	0.6667	0.788	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu051884	0.877	0.6667	0.765	0.032	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu051569	0.9822	1	0.991	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu051199	0.9531	0.6667	0.797	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu050514	0.9632	0.6667	0.801	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu050227	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu050200	0.7972	0.6667	0.729	0.048	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu047916	0.9786	1	0.989	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu042128	0.8943	0.6667	0.772	0.017	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu038184	0.8814	0.6667	0.767	0.012	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu032375	0.8973	0.6667	0.773	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu032365	0.942	1	0.971	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu031976	0.9536	1	0.977	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu030879	0.8686	0.6667	0.761	0.024	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu030672	0.8709	0.6667	0.762	0.012	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu030656	0.968	0.6667	0.803	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu025480	0.9667	1	0.983	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu025428	0.9454	1	0.972	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu024580	0.9644	0.6667	0.802	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu024376	0.939	1	0.969	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu024324	0.9181	1	0.958	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu024313	0.9591	1	0.979	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu023864	0.9007	1	0.949	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu023113	0.9457	1	0.972	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu023079	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu022926	0.8933	1	0.945	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu021402	1	1	1	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu021371	0.8955	0.6667	0.773	0.018	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu020934	0.872	1	0.934	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu019193	0.9123	0.6667	0.78	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu019162	0.892	1	0.944	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu018090	0.9015	1	0.949	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu018087	0.9565	1	0.978	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu017137	0.9185	1	0.958	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu017078	0.9148	1	0.956	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu017014	0.9532	1	0.976	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu016634	0.7614	1	0.873	0.018	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu014775	0.9569	0.6667	0.799	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu014468	0.9197	1	0.959	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu014452	0.928	1	0.963	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu014238	0.9752	1	0.988	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu013840	0.9257	1	0.962	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu013681	0.9391	1	0.969	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu013578	0.9056	0.6667	0.777	0.023	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu013576	0.9286	1	0.964	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu013224	0.944	1	0.972	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu012171	0.9297	1	0.964	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu011857	0.9102	0.6667	0.779	0.027	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu011841	0.9382	1	0.969	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu011820	0.9699	0.6667	0.804	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu011795	0.9299	1	0.964	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu011705	0.8727	0.6667	0.763	0.016	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu011675	0.9348	1	0.967	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu011015	0.9009	0.6667	0.775	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu010678	0.9371	1	0.968	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu010576	0.9406	1	0.97	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu009141	0.9472	1	0.973	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu007611	0.8673	1	0.931	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu006713	0.8862	1	0.941	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu006520	0.692	1	0.832	0.03	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu006211	0.9292	1	0.964	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu005609	0.9387	0.6667	0.791	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu005137	0.9568	0.6667	0.799	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified
Otu004669	0.9258	1	0.962	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	unclassified	unclassified	unclassified

Otu004634	0.8761	1	0.936	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu003921	0.8679	0.6667	0.761	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu003632	0.9242	1	0.961	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu002707	0.8926	0.6667	0.771	0.015	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu000723	0.9656	0.6667	0.802	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu000165	0.9002	1	0.949	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu117272	0.8835	0.6667	0.767	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	HTCC2089 unclassified	unclassified
Otu019709	0.8495	1	0.922	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	HTCC2089 unclassified	unclassified
Otu010239	0.8575	1	0.926	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	HTCC2089 unclassified	unclassified
Otu006193	0.9311	1	0.965	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	HTCC2188	HTCC2089	HTCC2089 unclassified	unclassified
Otu007369	0.8624	1	0.929	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Endoecteinascidiaceae	Endoecteinascidiaceae unclassified	unclassified
Otu007465	0.8818	0.6667	0.767	0.018	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Francisellaceae	Francisella	Francisella unclassified
Otu013176	0.8532	1	0.924	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	Legionellaceae unclassified	unclassified
Otu014309	0.7421	1	0.861	0.029	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillales unclassified	unclassified	unclassified
Otu033129	0.8298	0.6667	0.744	0.033	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Saccharospirillaceae	Reinekea	Reinekea unclassified
Otu045988	0.77	1	0.878	0.014	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	Piscirickettsiaceae unclassified	unclassified
Otu010163	0.7596	1	0.872	0.013	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	Piscirickettsiaceae unclassified	unclassified
Otu152185	0.9171	0.6667	0.782	0.009	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Aliivibrio	Aliivibrio fischeri
Otu001070	0.8443	1	0.919	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Aliivibrio	Aliivibrio fischeri
Otu019416	0.904	1	0.951	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Photobacterium	Photobacterium angustum
Otu013979	0.9585	0.6667	0.799	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Photobacterium	Photobacterium angustum
Otu005343	0.9196	1	0.959	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Photobacterium	Photobacterium angustum
Otu057716	0.8404	0.6667	0.749	0.019	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	Vibrio aestuarianus
Otu084293	1	0.6667	0.816	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	Vibrio unclassified
Otu013980	0.9653	0.6667	0.802	0.006	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	Vibrio unclassified
Otu006737	0.8165	0.6667	0.738	0.023	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	Vibrio unclassified
Otu137044	0.8323	0.6667	0.745	0.028	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu137000	0.8624	0.6667	0.758	0.015	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu136079	0.9444	0.6667	0.793	0.015	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu080511	0.9336	0.6667	0.789	0.006	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu055256	0.9508	1	0.975	0.001	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu027696	0.9011	1	0.949	0.002	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu026987	0.8704	1	0.933	0.006	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu012514	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu009612	0.8463	0.6667	0.751	0.032	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu006966	0.732	1	0.856	0.039	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu005366	1	0.6667	0.816	0.006	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu000965	0.7654	1	0.875	0.02	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu088133	0.9089	1	0.953	0.001	Bacteria	SAR406	AB16	Arctic96B-7	A714017	SGSH944	SGSH944 unclassified
Otu005177	0.9396	1	0.969	0.002	Bacteria	Spirochaetes	Spirochaetes	Spirochaetes unclassified	unclassified	unclassified	unclassified
Otu015014	0.964	1	0.982	0.001	Bacteria	unknown unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu015382	0.8421	1	0.918	0.005	Bacteria	Verrucomicrobia	Opitutae	Opitutales	Opitutaceae	Opitutus	Opitutus unclassified
Otu035127	0.8452	0.6667	0.751	0.025	Bacteria	Verrucomicrobia	Pedosphaerae	Pedosphaerales	Pedosphaerales unclassified	unclassified	unclassified
Otu005015	1	1	1	0.001	Bacteria	Verrucomicrobia	Pedosphaerae	Pedosphaerales	Pedosphaerales unclassified	unclassified	unclassified
Otu009007	0.8454	1	0.919	0.001	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Persicirhabdus	Persicirhabdus unclassified
Otu002659	1	0.6667	0.816	0.005	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Persicirhabdus	Persicirhabdus unclassified
Otu072748	0.84	1	0.917	0.004	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Rubritalea	Rubritalea unclassified
Otu026518	0.8133	0.6667	0.736	0.044	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Verrucomicrobiaceae unclassified	unclassified
Otu008011	1	0.6667	0.816	0.006	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Verrucomicrobiaceae unclassified	unclassified
Otu002477	0.811	1	0.901	0.017	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Verrucomicrobiaceae unclassified	unclassified

Otus	*Axinella infundibuliformis* upper twilight	Rest	stat	p value	Domain	Phylum	Class	Order	Family	Genus	Species
Otu000729	0.8127	1	0.902	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu000742	0.9149	1	0.957	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu002418	0.9221	1	0.96	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu003072	0.9188	1	0.959	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu003584	0.7313	1	0.855	0.025	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu003602	0.7647	1	0.874	0.014	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu004972	0.8436	0.6667	0.75	0.017	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu005169	0.7379	1	0.859	0.027	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu006316	0.7632	1	0.874	0.018	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu006387	0.8056	1	0.898	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu006886	0.7554	1	0.869	0.024	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu007001	0.7439	1	0.862	0.029	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu007093	0.9048	0.6667	0.777	0.021	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu007812	0.7887	1	0.888	0.018	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu007911	0.7246	1	0.851	0.031	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu008196	0.7666	1	0.876	0.023	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu008208	0.7491	1	0.865	0.024	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu008876	0.8161	1	0.903	0.013	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu008996	0.9343	1	0.967	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009043	0.8444	1	0.919	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009079	0.7982	1	0.893	0.016	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009086	0.7779	1	0.882	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009308	0.8693	1	0.932	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009768	0.7473	1	0.864	0.027	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009843	0.9087	1	0.953	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009849	0.7516	1	0.867	0.024	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu009854	0.7558	1	0.869	0.019	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu010111	0.8626	1	0.929	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu010311	0.7441	1	0.863	0.017	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu010426	0.8778	1	0.937	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu011440	0.7771	1	0.882	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu012295	0.9738	0.6667	0.806	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu012309	0.7201	1	0.849	0.037	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu012324	0.8256	1	0.909	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu012362	0.7114	1	0.843	0.035	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu012898	0.9528	1	0.976	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified

Otu013658	0.761	1	0.872	0.019	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu014541	0.8794	1	0.938	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu014589	0.7449	1	0.863	0.03	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu014638	0.8246	1	0.908	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu014951	0.7837	1	0.885	0.004	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu015114	0.9348	1	0.967	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu015156	0.9003	1	0.949	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu015370	0.6959	1	0.834	0.045	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu015681	0.7937	1	0.891	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu015690	0.794	1	0.891	0.015	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu015890	0.7891	1	0.888	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu016238	0.7786	1	0.882	0.02	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu016249	0.7989	1	0.894	0.01	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu017262	0.855	1	0.925	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu017786	0.893	1	0.945	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu018285	0.8306	1	0.911	0.011	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu018303	0.9234	0.6667	0.785	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu018394	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu018427	0.9218	1	0.96	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu018909	0.8227	0.6667	0.741	0.032	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu018973	0.8115	1	0.901	0.011	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019001	0.7606	1	0.872	0.023	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019019	0.7539	1	0.868	0.019	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019079	0.7835	1	0.885	0.017	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019258	0.7741	1	0.88	0.022	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019361	0.7564	1	0.87	0.024	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019405	0.7112	1	0.843	0.043	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu019487	0.7742	1	0.88	0.013	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu021176	0.934	1	0.966	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu021237	0.8632	1	0.929	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu021287	0.7069	1	0.841	0.039	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu021359	0.8042	1	0.897	0.019	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu021772	0.8118	1	0.901	0.013	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu021876	0.9236	1	0.961	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu022881	0.7851	1	0.886	0.017	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu022894	0.7878	1	0.888	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu023541	0.793	1	0.89	0.012	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu023649	0.8745	1	0.935	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu024771	0.7721	1	0.879	0.02	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu024888	0.9006	1	0.949	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu024937	0.7537	1	0.868	0.023	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu025046	0.9334	1	0.966	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu025067	0.8018	1	0.895	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu025204	0.9024	1	0.95	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu025402	0.8265	1	0.909	0.006	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu025926	0.8259	1	0.909	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu025945	0.9206	1	0.959	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu026415	0.8485	1	0.921	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu026519	0.8455	1	0.919	0.008	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu026571	0.9307	0.6667	0.788	0.019	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu027885	0.8168	0.6667	0.738	0.043	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu030901	0.7802	1	0.883	0.02	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu031597	0.7997	1	0.894	0.005	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu035248	0.85	1	0.922	0.009	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu035274	0.8344	1	0.913	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu036684	0.949	1	0.974	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu037189	0.8805	1	0.938	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu037263	0.8719	1	0.934	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu037287	0.796	1	0.892	0.013	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu039128	0.9294	1	0.964	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu039544	0.9294	1	0.964	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu040165	0.9471	1	0.973	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu040719	0.9178	1	0.958	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu043669	0.858	0.6667	0.756	0.026	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu046395	0.8294	1	0.911	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu047258	1	1	1	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu047334	0.8329	1	0.913	0.007	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu047355	0.8217	1	0.906	0.002	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu049309	0.8355	1	0.914	0.003	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu060145	0.9351	1	0.967	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu067769	0.9413	1	0.97	0.001	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu068072	0.6591	1	0.812	0.044	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu094777	0.759	1	0.871	0.023	Archaea	Crenarchaeota	Thaumarchaeota	Cenarchaeales	Cenarchaeaceae	Nitrosopumilus	Nitrosopumilus unclassified
Otu001374	0.832	1	0.912	0.007	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	TK06	TK06 unclassified	unclassified
Otu003242	0.8409	1	0.917	0.005	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu012705	0.9143	1	0.956	0.002	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu028476	0.9265	1	0.963	0.001	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu061365	0.9413	1	0.97	0.001	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu272760	0.9473	1	0.973	0.002	Bacteria	Bacteria unclassified	unclassified	unclassified	unclassified	unclassified	unclassified
Otu003666	0.8335	1	0.913	0.005	Bacteria	Bacteroidetes	Bacteroidetes unclassified	unclassified	unclassified	unclassified	unclassified
Otu004011	0.8437	1	0.919	0.004	Bacteria	Bacteroidetes	Bacteroidetes unclassified	unclassified	unclassified	unclassified	unclassified
Otu000144	0.897	1	0.947	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	Nitrospiraceae unclassified	unclassified
Otu000215	0.956	1	0.978	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	Nitrospiraceae unclassified	unclassified
Otu003184	0.8961	1	0.947	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	Nitrospiraceae unclassified	unclassified
Otu043335	0.9112	1	0.955	0.001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	Nitrospiraceae unclassified	unclassified
Otu060131	0.8722	1	0.934	0.004	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	Nitrospiraceae unclassified	unclassified
Otu013185	0.8148	1	0.903	0.01	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaerales unclassified	unclassified	unclassified
Otu006577	0.905	1	0.951	0.001	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified

Otu056672	0.9561	0.6667	0.798	0.005	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu160075	0.9104	0.6667	0.779	0.01	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae unclassified	unclassified
Otu014768	0.8489	0.6667	0.752	0.039	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Rhodocyclaceae unclassified	unclassified
Otu010354	0.9175	0.6667	0.782	0.008	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio	Bdellovibrio unclassified
Otu008239	0.9699	0.6667	0.804	0.012	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfococcus	Desulfococcus unclassified
Otu020665	1	0.6667	0.816	0.012	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Myxococcales unclassified	unclassified	unclassified
Otu004564	0.6341	1	0.796	0.034	Bacteria	Proteobacteria	Deltaproteobacteria	Sva0853	SAR324	SAR324 unclassified	unclassified
Otu041365	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadales unclassified	unclassified	unclassified
Otu031704	0.8858	1	0.941	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Enterobacteriaceae unclassified	unclassified
Otu000165	0.8677	1	0.932	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu002707	0.8851	1	0.941	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu003632	0.8091	1	0.9	0.008	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu004669	0.8368	1	0.915	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu006211	0.8298	1	0.911	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu007601	0.8616	0.6667	0.758	0.032	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu007717	0.8753	0.6667	0.764	0.017	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu010678	0.8112	0.6667	0.735	0.039	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu011015	0.8756	1	0.936	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu011211	0.9669	1	0.983	0.001	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu011675	0.817	1	0.904	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu011705	0.9033	1	0.95	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu011735	0.8771	0.6667	0.765	0.023	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu011795	0.8283	1	0.91	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu011841	0.8084	1	0.899	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu011857	0.8633	1	0.929	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu012171	0.8287	1	0.91	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu013224	0.7915	0.6667	0.726	0.05	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu013576	0.8311	1	0.912	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu013578	0.8368	1	0.915	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu013681	0.7714	1	0.878	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu013840	0.837	1	0.915	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu014452	0.8324	1	0.912	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu017014	0.7585	1	0.871	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu017078	0.8563	1	0.925	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu017137	0.8502	1	0.922	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu017835	1	0.6667	0.816	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu018090	0.8555	1	0.925	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu019162	0.8857	1	0.941	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu020934	0.9038	1	0.951	0.003	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu022926	0.8843	1	0.94	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu023113	0.786	1	0.887	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu023864	0.8759	1	0.936	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu024324	0.851	1	0.923	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu029599	0.7135	1	0.845	0.027	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu030672	0.9046	1	0.951	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu030879	0.9064	1	0.952	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu032375	0.8798	1	0.938	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu032393	0.9402	0.6667	0.792	0.01	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu042095	0.9588	0.6667	0.799	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu044173	0.8588	0.6667	0.757	0.025	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu052808	0.8713	1	0.933	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu053648	0.7744	0.6667	0.719	0.05	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu053691	0.8039	0.6667	0.732	0.04	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu054125	0.8314	0.6667	0.744	0.039	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu057077	0.7748	1	0.88	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu057808	0.7797	1	0.883	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu062765	0.9345	0.6667	0.789	0.02	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu063030	0.8176	1	0.904	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu063692	0.8101	1	0.9	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu063716	0.9033	1	0.95	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu065662	0.8186	1	0.905	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu066273	0.8641	1	0.93	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu108091	0.83	0.6667	0.744	0.04	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu109528	0.858	1	0.926	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu109701	0.9214	0.6667	0.784	0.021	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu110251	0.8734	0.6667	0.763	0.012	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu110337	0.9098	0.6667	0.779	0.007	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu110482	0.9464	1	0.973	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu111028	0.8874	1	0.942	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu120747	0.8193	1	0.905	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu121434	0.7829	0.6667	0.722	0.038	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu121803	0.8925	1	0.945	0.002	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu121900	0.8559	1	0.925	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu123201	0.8167	1	0.904	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu124295	0.8473	1	0.92	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu126595	0.8387	1	0.916	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu127072	0.8097	1	0.9	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu128129	0.8403	1	0.917	0.005	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu217528	0.8635	1	0.929	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu217541	0.9393	0.6667	0.791	0.013	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu251196	0.9419	0.6667	0.792	0.012	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu259625	0.9129	1	0.955	0.004	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria unclassified	unclassified	unclassified	unclassified
Otu123464	0.8125	1	0.901	0.015	Bacteria	Proteobacteria	Gammaproteobacteria	Thiohalorhabdales	Thiohalorhabdaceae	Thiohalorhabdaceae unclassified	unclassified
Otu013073	0.9016	0.6667	0.775	0.023	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	Piscirickettsiaceae unclassified	unclassified
Otu004696	0.9563	0.6667	0.798	0.007	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu011060	0.9372	0.6667	0.79	0.018	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu020585	0.9771	1	0.988	0.001	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu026987	0.9051	1	0.951	0.001	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified

Otu027696	0.8754	1	0.936	0.005	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu063109	1	1	1	0.001	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu137000	0.9108	1	0.954	0.001	Bacteria	Proteobacteria	Proteobacteria unclassified	unclassified	unclassified	unclassified	unclassified
Otu005177	0.8045	1	0.897	0.004	Bacteria	Spirochaetes	Spirochaetes	Spirochaetes unclassified	unclassified	unclassified	unclassified

Suppl. Table 4 Pairwise comparisons of mean group dispersions of the permutation test for homogeneity of multivariate dispersions (permanova). For each taxonomic rank & relative abundance and presence / absence OTUs pairwise comparisons with observed *p*-value below diagonal, permuted *p*-value above diagonal are given for each sample triplicate.

Tax Rank	Sponge hosts	*A. infundibuliformis*	*Axinella* sp.	*G. barretti*	*H. panicea*	seawater	*M. lingua*	*M. rosacea*	*P. ventilabrum*
Otu relabund	*A. infundibuliformis*	-	0.1988	**0.0480**	0.2088	**0.0170**	0.1518	0.1449	0.0799
	Axinella sp.	0.2011	-	0.7393	0.7512	0.3986	0.0769	0.8921	0.8212
	G. barretti	**0.0471**	0.7314	-	**0.0330**	0.0879	**0.0030**	0.2887	0.8422
	H. panicea	0.2028	0.7337	**0.0441**	-	**0.0020**	**0.0020**	0.5255	0.2617
	seawater	**0.0137**	0.3974	0.0943	**0.0003**	-	**0.0010**	**0.0210**	0.2148
	M. lingua	0.1737	0.0777	**0.0018**	**0.0023**	**0.0004**	-	**0.0080**	**0.0100**
	M. rosacea	0.1391	0.9018	0.2558	0.5020	**0.0258**	**0.0052**	-	0.5135
	P. ventilabrum	0.0736	0.8256	0.8352	0.2621	0.2261	**0.0082**	0.5186	-
Otu pa	*A. infundibuliformis*	-	0.7662	0.1309	0.8542	**0.0030**	**0.0280**	0.7832	**0.0010**
	Axinella sp.	0.7742	-	0.7702	0.8791	0.3437	0.3537	0.7782	0.2887
	G. barretti	0.1207	0.7833	-	**0.0490**	**0.0140**	**0.0120**	0.0719	**0.0080**
	H. panicea	0.8715	0.8768	0.0574	-	**0.0020**	**0.0120**	0.5335	**0.0020**
	seawater	**0.0025**	0.3679	**0.0124**	**0.0000**	-	**0.0010**	**0.0020**	0.1389
	M. lingua	**0.0212**	0.3556	**0.0039**	**0.0059**	**0.0002**	-	**0.0220**	**0.0030**
	M. rosacea	0.7929	0.7893	0.0679	0.5278	**0.0016**	**0.0292**	-	**0.0030**
	P. ventilabrum	**0.0013**	0.2905	**0.0100**	**0.0004**	0.1435	**0.0003**	**0.0018**	-
Species	*A. infundibuliformis*	-	0.2108	**0.0180**	0.5924	**0.0030**	0.7752	0.4875	**0.0190**
	Axinella sp.	0.2251	-	0.4795	0.4725	0.3826	0.4416	0.5155	0.5784
	G. barretti	**0.0096**	0.5191	-	**0.0400**	0.4356	**0.0360**	**0.0080**	0.7383
	H. panicea	0.6152	0.4977	**0.0296**	-	**0.0130**	0.8472	0.8611	0.0559
	seawater	**0.0042**	0.3971	0.4679	**0.0110**	-	**0.0210**	**0.0010**	0.3237
	M. lingua	0.7638	0.4489	**0.0294**	0.8524	**0.0123**	-	0.6494	0.0569
	M. rosacea	0.4704	0.5168	**0.0060**	0.8372	**0.0001**	0.6673	-	**0.0280**
	P. ventilabrum	**0.0150**	0.5986	0.7626	**0.0470**	0.3381	**0.0448**	**0.0150**	-
Genus	*A. infundibuliformis*	-	0.6114	**0.0020**	0.0519	**0.0050**	0.4336	0.2008	0.1768
	Axinella sp.	0.5883	-	0.3726	0.7013	0.3407	0.9590	0.9321	0.8122
	G. barretti	**0.0045**	0.3444	-	**0.0430**	0.7582	**0.0460**	0.0050	0.2358
	H. panicea	0.0529	0.6795	**0.0420**	-	**0.0300**	0.2797	0.1748	0.8232
	seawater	**0.0036**	0.3231	0.7268	**0.0256**	-	**0.0360**	**0.0020**	0.2058
	M. lingua	0.4080	0.9650	**0.0374**	0.2714	**0.0302**	-	0.7263	0.6184
	M. rosacea	0.1988	0.9314	**0.0028**	0.1535	**0.0011**	0.7167	-	0.7403
	P. ventilabrum	0.1875	0.7993	0.2324	0.8119	0.2038	0.6059	0.7117	-
Family	*A. infundibuliformis*	-	0.5844	**0.0100**	**0.0280**	**0.0030**	0.2767	**0.0230**	0.1878
	Axinella sp.	0.5506	-	0.3846	0.6573	0.3377	0.9720	0.6733	0.8192
	G. barretti	**0.0044**	0.3901	-	0.0749	0.3257	0.0649	0.0569	0.2657
	H. panicea	**0.0287**	0.6344	0.0666	-	**0.0330**	0.3147	0.9431	0.7033
	seawater	**0.0030**	0.3452	0.3427	**0.0352**	-	0.0579	**0.0270**	0.2018
	M. lingua	0.2760	0.9702	0.0821	0.3240	0.0613	-	0.3307	0.7562
	M. rosacea	**0.0315**	0.6484	0.0611	0.9298	**0.0329**	0.3451	-	0.7532
	P. ventilabrum	0.1753	0.8178	0.2776	0.6919	0.2202	0.7410	0.7184	-
Order	*A. infundibuliformis*	-	0.4286	**0.0110**	0.0769	**0.0100**	0.2637	**0.0400**	0.4236
	Axinella sp.	0.4217	-	0.3866	0.7662	0.3267	0.9940	0.6583	0.9500
	G. barretti	**0.0094**	0.3911	-	0.2108	0.5554	0.1808	0.1149	0.1838
	H. panicea	0.0996	0.7810	0.2141	-	0.1339	0.6933	0.6993	0.6224
	seawater	**0.0061**	0.3360	0.5406	0.1406	-	0.1249	**0.0500**	0.1459
	M. lingua	0.2741	0.9913	0.1755	0.6808	0.1299	-	0.4505	0.9141
	M. rosacea	**0.0381**	0.6399	0.1201	0.6904	**0.0413**	0.4428	-	0.4595
	P. ventilabrum	0.3812	0.9414	0.1917	0.6220	0.1491	0.9077	0.4246	-
Class	*A. infundibuliformis*	-	0.1079	**0.0490**	0.2178	**0.0180**	0.2478	0.0929	0.4016
	Axinella sp.	0.1249	-	0.6733	0.7153	0.4216	0.7173	0.9800	0.5095
	G. barretti	**0.0372**	0.6570	-	0.3177	0.2108	0.3237	0.4715	0.1678
	H. panicea	0.2091	0.7105	0.2927	-	0.1638	0.9550	0.7153	0.7163
	seawater	**0.0214**	0.4358	0.2118	0.1733	-	0.1708	0.2178	0.0859
	M. lingua	0.2435	0.6882	0.3169	0.9543	0.1982	-	0.6454	0.7642
	M. rosacea	0.1011	0.9770	0.4749	0.6697	0.2506	0.6509	-	0.4156
	P. ventilabrum	0.3874	0.4844	0.1614	0.6930	0.1009	0.7526	0.4149	-
Phylum	*A. infundibuliformis*	-	0.1349	**0.0470**	0.1259	**0.0220**	0.1858	0.0539	0.0819
	Axinella sp.	0.1277	-	0.6663	0.8372	0.3347	0.8661	0.7233	0.9910
	G. barretti	**0.0469**	0.6546	-	0.1678	0.0559	0.5654	0.9600	0.4815
	H. panicea	0.1321	0.8250	0.1982	-	**0.0460**	0.9640	0.2757	0.7483
	seawater	0.0231	0.3585	0.0622	0.0561	-	0.2827	0.1948	0.1319
	M. lingua	0.1915	0.8397	0.5074	0.9617	0.2860	-	0.5734	0.8192
	M. rosacea	0.0508	0.6815	0.9579	0.2752	0.1988	0.5324	-	0.5514
	P. ventilabrum	0.0966	0.9855	0.4558	0.7135	0.1456	0.7941	0.5277	-

Suppl. Table 5 Individual effects of depth on the prokaryotic community variance in *A. infundibuliformis* across all taxonomic ranks and OTUs (relative abundance & presence / absence). For each taxonomic rank the number of available variables and percentages of unclassified and therefore removed, reads are given next to each taxonomic rank, followed by nMDS stress values. Pairwise comparisons of group mean dispersions (permdisp: betadisper with permutest) are shown as *F* ratio (with degrees of freedom in brackets), correlation coefficient R^2 and *p* value. The same values are available for the permutational analysis of variance (permanova: adonis).

	Dataset	Variables	nMDS stress	permdisp			permanova		
				F(1,4)	R^2	*p* value	F(1,4)	R^2	*p* value
***A. infundibuliformis* shallow vs. upper twilight**	OTU relabund	1182	< 0.01	1.87	0.32	0.3	4.09	0.51	0.1
	Species	76	< 0.01	1.35	0.25	0.4	10.69	0.73	0.1
	Genus	117	< 0.01	0.25	0.06	0.6	9.04	0.69	0.1
	Family	96	< 0.01	0.06	0.01	0.7	9.77	0.71	0.1
	Order	70	< 0.01	0.15	0.04	0.8	8.57	0.68	0.1
	Class	45	< 0.01	0.52	0.12	0.7	6.41	0.62	0.1
	Phylum	21	< 0.01	0.46	0.10	0.7	5.61	0.58	0.1

Suppl. Table 6 The relationships between richness & diversity and richness & evenness for sponge and seawater associated bacteria across high taxonomic ranks - from phylum to species level for each sponge taxon. *df* = degrees of freedom, R^2 = correlation coefficient, and *p* values for the taxon specific linear models.

Taxa	**Richness**			**Evenness**		
	df	R^2	***p* value**	***df***	R^2	***p* value**
G. barretti	1,16	0.890	2.77E-09	1,16	0.394	0.003
M. lingua	1,16	0.850	3.36E-08	1,16	0.069	0.153
A. infundibu	1,34	0.798	1.40E-13	1,34	0.327	1.61E-04
P. ventilabru	1,16	0.943	1.46E-11	1,16	0.766	1.23E-06
Axinella sp.	1,16	0.915	3.56E-10	1,16	0.776	8.66E-07
M. rosacea	1,16	0.743	2.61E-06	1,16	0.317	0.009
Seawater	1,16	0.914	3.74E-10	1,16	0.781	7.04E-07
H. panicea	1,16	0.664	2.31E-05	1,16	0.195	0.038

Suppl. Table 7 Individual effects of sample identity (individual sponge and seawater in triplicates) on the prokaryotic community variance across all taxonomic ranks and OTUs (relative abundance & presence / absence). For each taxonomic rank the number of available variables and percentages of unclassified and therefore removed, reads are given next to each taxonomic rank, followed by nMDS stress values. Pairwise comparisons of group mean dispersions (permdisp: betadisper with permutest) are shown as *F* ratio (with degrees of freedom in brackets), correlation coefficient R^2 and *p* value. The same values are available for the permutational analysis of variance (permanova: adonis).

Datasets	Variables	Reads removed [%]	nMDS stress	permdisp			permanova		
				F(7,19)	R^2	*p* value	F(7/19)	R^2	*p* value
Species	72	98.99	0.10	0.84[a]	0.25	0.54	3.85[a]	0.60	**< 0.001**
Genus	192	81.44	0.11	3.18	0.54	**0.02**	10.87	0.80	**< 0.001**
Family	163	51.30	0.11	1.63	0.38	0.17	14.47	0.84	**< 0.001**
Order	98	44.73	0.12	1.53	0.36	0.22	17.62	0.87	**< 0.001**
Class	61	22.80	0.09	1.82	0.40	0.13	20.37	0.88	**< 0.001**
Phylum	26	1.41	0.12	2.24	0.05	0.07	23.24	0.90	**< 0.001**

[a]F(7,18)

Section 2: Sequence processing - quality control, filtering, and taxonomic assignments

See Thomas *et al.*[1] for a complete description of the EMP sponge data processing: DNA was extracted from ~ 0.25 g of sponge tissue or sediment using the PowerSoil DNA Extraction kit (MoBio) according to the Earth Microbiome Project standard protocols (http://press.igsb.anl.gov/earthmicrobiome/emp-standard-protocols/dna- extraction-protocol/). Samples were extracted at laboratories at the University of Wuerzburg (Germany). Extracted DNA was shipped to the University of Colorado, Bolder, CO, USA for sequencing of the 16S rRNA gene using standard procedures of the Earth Microbiome Project (http://www.earthmicrobiome.org/emp-standard-protocols/16s/). Briefly, the V4 region of the 16S rRNA gene was amplified using the primer 515f–806rB and sequenced using the HiSeq2500 platform (Illumina)[2]. Raw Illumina reads were quality filtered and demultiplexed in mothur v.1.31.2 by following a modified version of the Miseq SOP[3]. Resulting sequences in fastq format were trimmed according to quality (average quality score = 30, window size = 5 bases, maximum number of homopolymers = 8, and trimmed to a minimum length of 100 base pairs). Sequences were aligned to the trimmed reference SILVA 102 database[4], which was provided by mothur. Chimeric sequences were detected using Uchime[5], and filtered out. Pairwise distances between aligned sequences were calculated (dist.seqs: cutoff = 0.05) and used for clustering. Prior to clustering, aligned sequences were phylogenetically classified based on the trimmed SILVA database. Sequences were clustered (cluster.split: splitmethod = classify, taxlevel = 4, cutoff = 0.03, hard = t, method = furthest) and converted to the shared file format (make.shared: label = 0.03). OTU representative sequences were clustered at 97% sequence similarity (get.oturep: label = 0.03) and classified based on Greengenes with a minimum cut-off of 60% identity (version gg_13_5_99 from May 2013). OTUs with single sequence across all samples (singletons) were removed. In addition, Chloroplasts sequences and OTUs with an abundance of less than 0.0001% across the dataset were removed. Also OTUs were removed from all sponge samples, if they had an abundance of > 0.01% in seawater or sediment. This last filter was applied to account for potential seawater or sediment contamination of the sponge samples.

1. Thomas, T. *et al.* Diversity, structure and convergent evolution of the global sponge microbiome. *Nat. Commun.* **7,** 11870 (2016).
2. Caporaso, J. G. *et al.* Global patterns of 16S rRNA diversity at a depth of millions of sequences per sample. *Proc. Natl. Acad. Sci.* **108,** 4516–4522 (2011).
3. Kozich, J. J., Westcott, S. L., Baxter, N. T., Highlander, S. K. & Schloss, P. D. Development of a dual-index sequencing strategy and curation pipeline for analyzing amplicon sequence data on the miseq illumina sequencing platform. *Appl. Environ. Microbiol.* **79,** 5112–5120 (2013).
4. Quast, C. *et al.* The SILVA ribosomal RNA gene database project: improved data processing and web-based tools. *Nucleic Acids Res.* **41,** D590–D596 (2013).
5. Edgar, R. C., Haas, B. J., Clemente, J. C., Quince, C. & Knight, R. UCHIME improves sensitivity and speed of chimera detection. *Bioinformatics* **27,** 2194–2200 (2011).

Section 3: OTU table processing - from OTU to species level

Individual amplicon abundance datasets were compiled in R by summing up the sequence reads for all available taxa and removing OTUs without approximate taxonomic classification from phylum to species level based on the available Greengenes taxonomy (see the R script below). However, the removal of unclassified sequence reads caused a considerable loss of taxonomic variables (i.e., taxa) at each rank (see Supplementary Table 7 online). For example, 98.99% of all reads at species level were removed, constituting in 72 variables for all preceding analyses at this rank. To counter this undesired loss of information unclassified reads were retained at each specific rank if the taxonomic designation of the preceding lower rank was available (see the R script below). This approach resulted in overall higher numbers of available variables at all taxonomic ranks (Table 2). For instance, at species level only 81.44% of the reads were removed, constituting in 241 taxonomic variables. Multivariate comparisons of both approaches, to ensure the viability of the dataset by retaining the sequence reads based on approximate taxonomy, showed that both types of datasets performed almost similar (Table 2 and Supplementary Table 7 online). However, especially the permanova results were overall slightly better for the datasets with an larger amount of available taxonomic variables.

The following R script comprises the above described OTU table transformations, and the basic alpha- and beta-diversity analyses. All figures and tables created for this study were derived from the output of the script below:

```
#Loading libraries
library(plyr)
library(vegan)
library(reshape)

#Loading data
# OTU abundance table with OTU taxonomy
read.csv(file="Suppl.DataEMPSwedenOTUabundancetaxonomy.csv", row.names=1, sep="\t") ->
        emp.sw # dataset: https://dx.doi.org/10.6084/m9.figshare.3470696

# Sample metadata for subsequent analyses
read.csv(file="emp.sw.habitat.csv", header=TRUE, sep="\t") -> emp.habitat # metadata:
        https://dx.doi.org/10.6084/m9.figshare.4299629.v1

# remove "unknown" OTUs
emp.sw <- droplevels(emp.sw[!grepl("unknown", emp.sw$Domain),])

##### creating taxonomic rank specific abundance tables

### phylum
emp.sw.phy <- ddply(emp.sw, .(Phylum) , numcolwise(sum)) # summarize at phylum level
emp.sw.phy <- emp.sw.phy[order(emp.sw.phy[,1]),] # sort taxa
rownames(emp.sw.phy) = emp.sw.phy[,1 ] # taxonomy as row.names
emp.sw.phy = emp.sw.phy[,-1 ] # remove first column
emp.sw.phy <- as.data.frame(t(emp.sw.phy)) # transpose dataset
emp.sw.phy$unclassified <- NULL # remove unclassified

### class
emp.sw.cla <- ddply(emp.sw, .(Class) , numcolwise(sum)) # summarize at class level
emp.sw.cla <- emp.sw.cla[order(emp.sw.cla[,1]),] # sort taxa
rownames(emp.sw.cla) = emp.sw.cla[,1 ] # taxonomy as row.names
emp.sw.cla = emp.sw.cla[,-1 ] # remove first column
emp.sw.cla <- as.data.frame(t(emp.sw.cla)) # transpose dataset
emp.sw.cla$unclassified <- NULL # remove unclassified

### order
emp.sw.ord <- ddply(emp.sw, .(Order) , numcolwise(sum)) # summarize at order level
emp.sw.ord <- emp.sw.ord[order(emp.sw.ord[,1]),] # sort taxa
rownames(emp.sw.ord) = emp.sw.ord[,1 ] # taxonomy as row.names
emp.sw.ord = emp.sw.ord[,-1 ] # remove first column
emp.sw.ord <- as.data.frame(t(emp.sw.ord)) # transpose dataset
emp.sw.ord$unclassified <- NULL # remove unclassified

#family
emp.sw.fam <- ddply(emp.sw, .(Family) , numcolwise(sum)) # summarize at family level
emp.sw.fam <- emp.sw.fam[order(emp.sw.fam[,1]),] # sort taxa
rownames(emp.sw.fam) = emp.sw.fam[,1 ] # taxonomy as row.names
emp.sw.fam = emp.sw.fam[,-1 ] # remove first column
emp.sw.fam <- as.data.frame(t(emp.sw.fam)) # transpose dataset
emp.sw.fam$unclassified <- NULL # remove unclassified

#genus
emp.sw.gen <- ddply(emp.sw, .(Genus) , numcolwise(sum)) # summarize at genus level
emp.sw.gen <- emp.sw.gen[order(emp.sw.gen[,1]),] # sort taxa
```

```
rownames(emp.sw.gen) = emp.sw.gen[,1 ] # taxonomy as row.names
emp.sw.gen = emp.sw.gen[,-1 ] # remove first column
emp.sw.gen <- as.data.frame(t(emp.sw.gen)) # transpose dataset
emp.sw.gen$unclassified <- NULL # remove unclassified

#species
emp.sw.spe <- ddply(emp.sw, .(Species) , numcolwise(sum))  # summarize at species level
emp.sw.spe <- emp.sw.spe[order(emp.sw.spe[,1]),] # sort taxa
rownames(emp.sw.spe) = emp.sw.spe[,1 ] # taxonomy as row.names
emp.sw.spe = emp.sw.spe[,-1 ] # remove first column
emp.sw.spe <- as.data.frame(t(emp.sw.spe)) # transpose dataset
emp.sw.spe$unclassified <- NULL # remove unclassified


##### creating taxonomic rank specific abundance tables with preceding taxa

emp.sw.pre <- emp.sw # copy the original OTU table

# create new taxonomy columns by combining preceding taxonomic information
emp.sw.pre <- within(emp.sw.pre, phylum <- paste(Domain, Phylum, sep='_'))
emp.sw.pre <- within(emp.sw.pre, class <- paste(Phylum, Class, sep='_'))
emp.sw.pre <- within(emp.sw.pre, order <- paste(Class, Order, sep='_'))
emp.sw.pre <- within(emp.sw.pre, family <- paste(Order, Family, sep='_'))
emp.sw.pre <- within(emp.sw.pre, genus <- paste(Family, Genus, sep='_'))
emp.sw.pre <- within(emp.sw.pre, species <- paste(Genus, Species, sep='_'))

# remove original columns
drops <- c("Domain","Phylum","Class","Order","Family","Genus","Species")
emp.sw.pre <- emp.sw.pre[ , !(names(emp.sw.pre) %in% drops)]

emp.sw.pre <- droplevels(emp.sw.pre) # drop unused levels from factors in a data frame - just in case

#phylum
ehl.pre.phy <- ddply(emp.sw.pre, "phylum", numcolwise(sum)) # summarize at phylum level
ehl.pre.phy <- ehl.pre.phy[order(ehl.pre.phy[,1]),] # sort taxa
rownames(ehl.pre.phy) = ehl.pre.phy[,1 ] # taxonomy as row.names
ehl.pre.phy = ehl.pre.phy[,-1 ] # remove first column
ehl.pre.phy <- as.data.frame(t(ehl.pre.phy)) # transpose dataset

#class
ehl.pre.cla <- ddply(emp.sw.pre, "class", numcolwise(sum)) # summarize at class level
ehl.pre.cla <- ehl.pre.cla[order(ehl.pre.cla[,1]),] # sort taxa
rownames(ehl.pre.cla) = ehl.pre.cla[,1 ] # taxonomy as row.names
ehl.pre.cla = ehl.pre.cla[,-1 ] # remove first column
ehl.pre.cla <- as.data.frame(t(ehl.pre.cla)) # transpose dataset
ehl.pre.cla$unclassified_unclassified <- NULL # remove unclassified

#order
ehl.pre.ord <- ddply(emp.sw.pre, "order", numcolwise(sum)) # summarize at order level
ehl.pre.ord <- ehl.pre.ord[order(ehl.pre.ord[,1]),] # sort taxa
rownames(ehl.pre.ord) = ehl.pre.ord[,1 ] # taxonomy as row.names
ehl.pre.ord = ehl.pre.ord[,-1 ] # remove first column
ehl.pre.ord <- as.data.frame(t(ehl.pre.ord)) # transpose dataset
ehl.pre.ord$unclassified_unclassified <- NULL # remove unclassified

#family
ehl.pre.fam <- ddply(emp.sw.pre, "family", numcolwise(sum)) # summarize at family level
ehl.pre.fam <- ehl.pre.fam[order(ehl.pre.fam[,1]),] # sort taxa
rownames(ehl.pre.fam) = ehl.pre.fam[,1 ] # taxonomy as row.names
```

```
ehl.pre.fam = ehl.pre.fam[,-1 ] # remove first column
ehl.pre.fam <- as.data.frame(t(ehl.pre.fam)) # transpose dataset
ehl.pre.fam$unclassified_unclassified <- NULL # remove unclassified

#genus
ehl.pre.gen <- ddply(emp.sw.pre, "genus", numcolwise(sum)) # summarize at genus level
ehl.pre.gen <- ehl.pre.gen[order(ehl.pre.gen[,1]),] # sort taxa
rownames(ehl.pre.gen) = ehl.pre.gen[,1 ] # taxonomy as row.names
ehl.pre.gen = ehl.pre.gen[,-1 ] # remove first column
ehl.pre.gen <- as.data.frame(t(ehl.pre.gen)) # transpose dataset
ehl.pre.gen$unclassified_unclassified <- NULL # remove unclassified

#species
ehl.pre.spe <- ddply(emp.sw.pre, "species", numcolwise(sum)) # summarize at species level
ehl.pre.spe <- ehl.pre.spe[order(ehl.pre.spe[,1]),] # sort taxa
rownames(ehl.pre.spe) = ehl.pre.spe[,1 ] # taxonomy as row.names
ehl.pre.spe = ehl.pre.spe[,-1 ] # remove first column
ehl.pre.spe <- as.data.frame(t(ehl.pre.spe)) # transpose dataset
ehl.pre.spe$unclassified_unclassified <- NULL # remove unclassified



#############
#### final dataframe preparation
#############

#OTU - rank free
df <- as.data.frame(t(emp.sw[,1:27]))

# choose one of the 12 following datasets for the analyses further below
#without preceding taxonomy
df <- emp.sw.phy
df <- emp.sw.cla
df <- emp.sw.ord
df <- emp.sw.fam
df <- emp.sw.gen
df <- emp.sw.spe
# the removal of unclassified variables at this rank caused a massive loss of data
# one complete sample is lost after applying: remove empty rows (samples) or columns (variables)
# some of the subsequent basic analyse may not work with this dataset

#with preceding taxonomy
df <- ehl.pre.phy
df <- ehl.pre.cla
df <- ehl.pre.ord
df <- ehl.pre.fam
df <- ehl.pre.gen
df <- ehl.pre.spe

# remove empty rows (samples) or columns (variables)
df <- droplevels(df[rowSums(df) != 0,])
df <- droplevels(df[,colSums(df) != 0])

#attach metadata
detach()
attach(emp.habitat)

#############
#### basic alpha and beta diversity analyses
```

```
#### relative abundance - Hellinger transformed - Bray-curtis
#############

#hellinger transformation
deco.df <- decostand(df, method="hellinger")
apply(deco.df, 1, sum)

### Basic Alpha Diversity indices

emp.habitat$S <- specnumber(deco.df) # richness
emp.habitat$H <- diversity(deco.df) # Shannon
emp.habitat$J <- emp.habitat$H/log(emp.habitat$S) # Evenness

plot(emp.habitat$S ~ emp.habitat$Host_axi, las=2) # plot richness
plot(emp.habitat$H ~ emp.habitat$Host_axi, las=2) # plot Shannon
plot(emp.habitat$J ~ emp.habitat$Host_axi, las=2) # plot Evenness

### Basic Beta Diversity

# Bray-Curtis distance matrix - relative abundance
df.vegdist <- vegdist(deco.df, binary=F, method="bray")

# metaMDS
nMDS.df <- metaMDS(deco.df, distance="bray", k=2, autotransform=T, binary=F)
stressplot(nMDS.df)
nMDS.df

# empty plot
ordiplot(nMDS.df, type="n")
points(nMDS.df, dis="species", pch=19, cex=0.2, col="grey") # variables
points(nMDS.df, dis="sites", pch=19, cex=1, col="red") # samples
ordiellipse(nMDS.df, Host_axi, conf=0.85, cex=0.5, label = T, col="black") # ellipses

# multivariate betadispersion & adonis for "host" specificity
# betadisper permutest
site.bdis <- betadisper(df.vegdist, Host)
site.bdis
permu.anov <- permutest(site.bdis, pairwise=TRUE, perm=1000)
permu.anov
# permanova
adonis(df.vegdist ~ Host, perm=1000)


##############
#### indicator species analysis
##############

### Indicator species only at OTU level

library(indicspecies)

indval.g <- multipatt(deco.all, Phak, duleg = TRUE, func="IndVal.g", control = how(nperm=999))
summary(indval.g)
summary(indval.g, indvalcomp=TRUE)
summary(indval.g, alpha=0.05)
indval.g$sign
ls(indval.g)

indval.g <- multipatt(deco.all, Geod, duleg = TRUE, func="IndVal.g", control = how(nperm=999))
```

```
summary(indval.g)
summary(indval.g, indvalcomp=TRUE)
summary(indval.g, alpha=0.05)
indval.g$sign
ls(indval.g)

indval.g <- multipatt(deco.all, AxInf, duleg = TRUE, func="IndVal.g", control = how(nperm=999))
summary(indval.g)
summary(indval.g, indvalcomp=TRUE)
summary(indval.g, alpha=0.05)
indval.g$sign
ls(indval.g)

indval.g <- multipatt(deco.all, Axi, duleg = TRUE, func="IndVal.g", control = how(nperm=999))
summary(indval.g)
summary(indval.g, indvalcomp=TRUE)
summary(indval.g, alpha=0.05)
indval.g$sign
ls(indval.g)

indval.g <- multipatt(deco.all, Myca, duleg = TRUE, func="IndVal.g", control = how(nperm=999))
summary(indval.g)
summary(indval.g, indvalcomp=TRUE)
summary(indval.g, alpha=0.05)
indval.g$sign
ls(indval.g)

indval.g <- multipatt(deco.all, Myxi, duleg = TRUE, func="IndVal.g", control = how(nperm=999))
summary(indval.g)
summary(indval.g, indvalcomp=TRUE)
summary(indval.g, alpha=0.05)
indval.g$sign
ls(indval.g)

indval.g <- multipatt(deco.all, Hali, duleg = TRUE, func="IndVal.g", control = how(nperm=999))
summary(indval.g)
summary(indval.g, indvalcomp=TRUE)
summary(indval.g, alpha=0.05)
indval.g$sign
ls(indval.g)

indval.g <- multipatt(deco.all, mame, duleg = TRUE, func="IndVal.g", control = how(nperm=999))
summary(indval.g)
summary(indval.g, indvalcomp=TRUE)
summary(indval.g, alpha=0.05)
indval.g$sign
ls(indval.g)


#############
### multivariate analyses for OTU presence / absence data
#############

#Jaccard distance matrix with preceding pa decostand transformation
deco.df <- decostand(df, method="pa")
apply(deco.df, 1, sum)
df.vegdist <- vegdist(deco.df, binary=T, method="jaccard")

# beta-diversity
```

```
# metaMDS
nMDS.df <- metaMDS(deco.df, distance="jaccard", k=2, autotransform=T, binary=T)
stressplot(nMDS.df)
nMDS.df

# empty plot
ordiplot(nMDS.df, type="n")
points(nMDS.df, dis="species", pch=19, cex=0.2, col="grey") # variables
points(nMDS.df, dis="sites", pch=19, cex=1, col="red") # samples
ordiellipse(nMDS.df, Host_axi, conf=0.85, cex=0.5, label = T, col="black") # ellipses

# multivariate betadispersion & adonis for "host" specificity
# betadisper permutest
site.bdis <- betadisper(df.vegdist, Host)
site.bdis
permu.anov <- permutest(site.bdis, pairwise=TRUE, perm=1000)
permu.anov
# permanova
adonis(df.vegdist ~ Host, perm=1000)
```