

Supplementary material Figure and table legends

Figure S1

Calibration curves for *Mariprofundus* sp. specific probe, MAR665 showing signal intensity and hybridization percentage obtained using hybridization buffers with formamide concentrations between 10-70%. The calibration was done using a monolabeled probe (Atto488)

Figure S2

Chemical characteristics of the water entering the reactors (inlet) and exiting the reactors at the top, middle, and bottom sites in the Äspö HRL as measured in October 2010 and March 2011.

Figure S3

A bacteria covered particle from dark aerated reactor (R3) at the top site as analyzed with DAPI for total bacterial counts (A) and with Fluorescence *In-Situ* Hybridization using the newly designed Mar665, *Mariprofundus* specific probe (B). Such particles were common in this reactor.

Figure S4

Fluorescence *In-Situ* Hybridization results from the dark aerated and non-aerated (R3 and R4, respectively) reactors at sites top and middle sites as obtained using the general Bacterial probe mix (EubI-III), and probes specific to Alpha-, Beta- and Gamma- classes of the Proteobacteria (Alf968, Bet42a and Gam42a, respectively). The percents are calculated out of total DAPI counts. The numbers above the bars represent the FISH value (black) and the sequence frequency of the respective class (red).

Table S1

Results of the multivariate models (individual factors – first column per parameter, and covariance – second column per parameter) detailed for the various taxa analyzed. The results of the covariance model are given in red.

Table S2

A subset of the results of the multivariate models showing only taxa responding to iron (total of Fe²⁺). The first column per parameter shows the results from the individual factors model. The covariance model is shown in the second column of the parameter. The results of the covariance model are given in red. Taxa predicted to be involved in iron oxidation and iron reduction are marked in yellow and green, respectively.

Table S3

Abundance of *Mariprofundus* in R3 and R4 at sites TASA top and NASA middle as detected by Fluorescence *In-Situ* Hybridization using the newly designed Mar665 probe. The abundance of *Mariprofundus* On particles in reactor R3 at TASA top was 10±3%.

Table S4

Phylogenetic assignment legend for figure 5.

Table S5

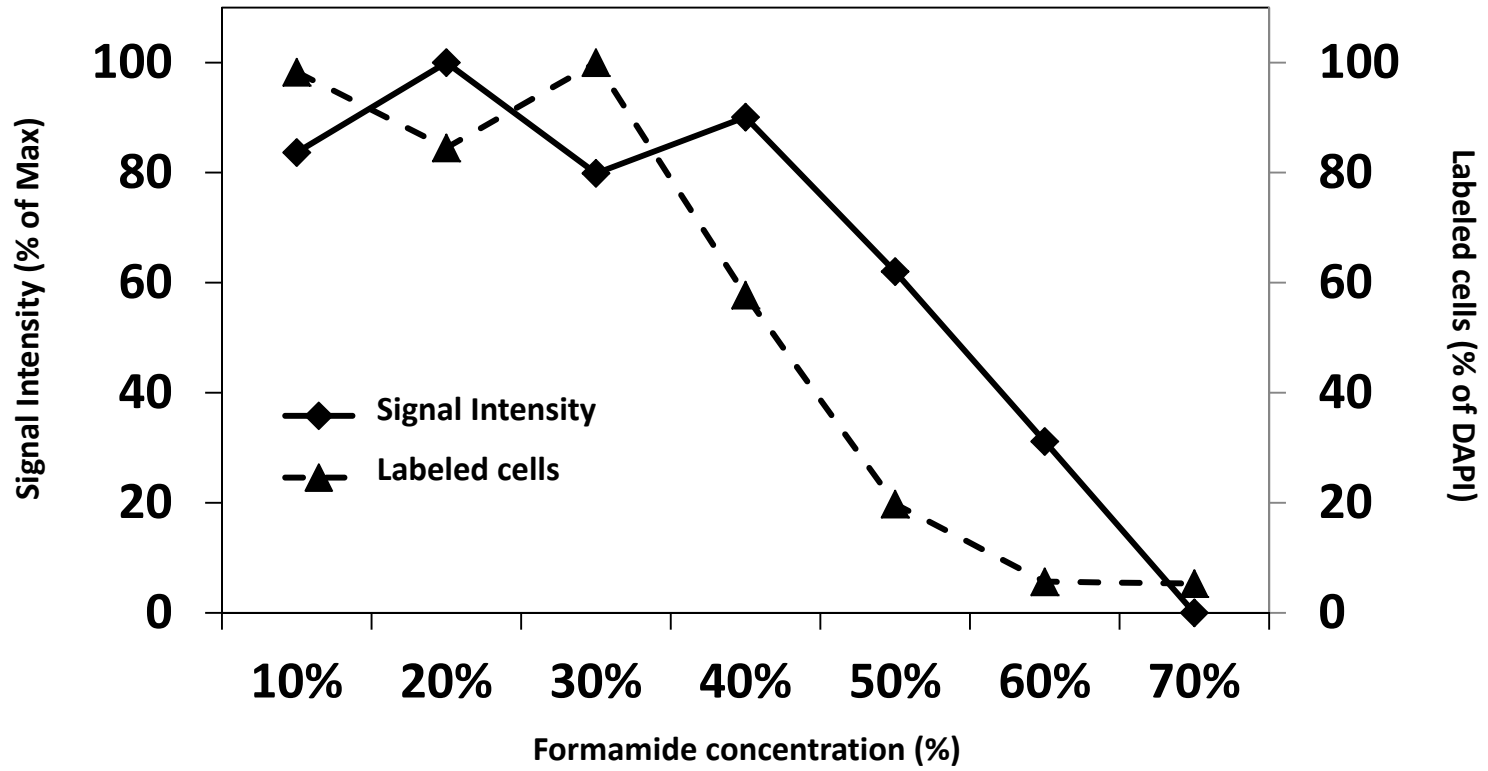
Maximal sequence frequency observed per taxonomic path in subsamples (n=2-3) taken from the different Top, Middle and Bottom flow reactors.

Table S6

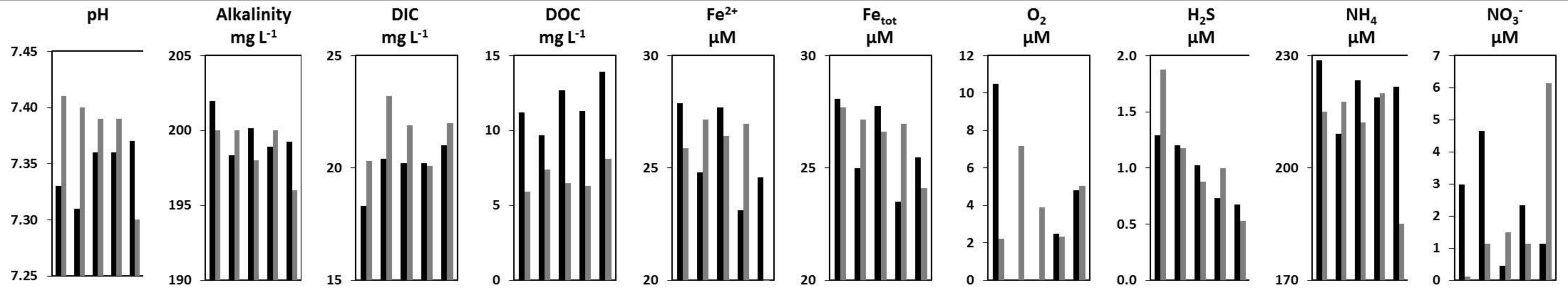
Maximum number of Operational Taxonomic Units (98% similarity) observed per taxonomic path in subsamples (n=2-3) taken from the different Top, Middle and Bottom flow reactors.

Figure S1

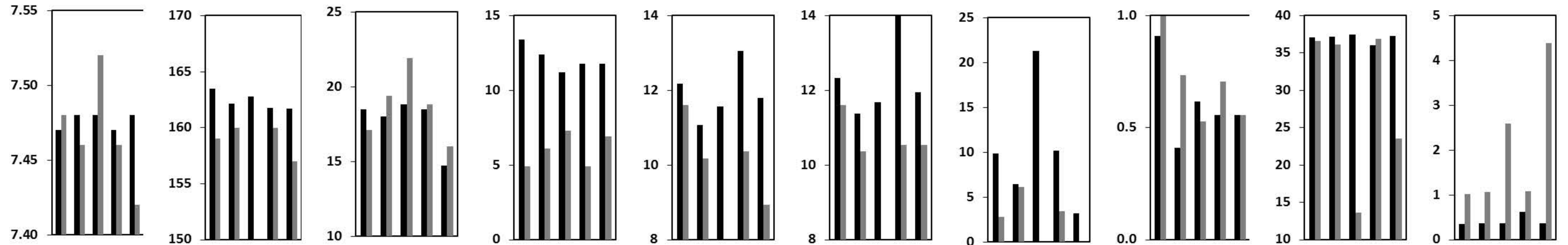
Calibration curve for probe MAR665 (*Mariprofundus* sp.)



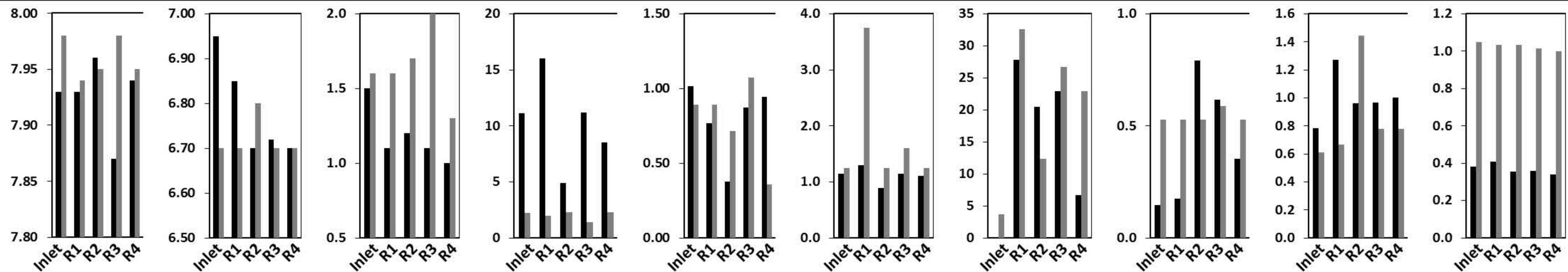
TOP



Middle



Bottom



■ November 2010 ■ March 2011

■ Alphaproteobacteria
■ Gammaproteobacteria

■ Betaproteobacteria
■ Bacteria (Eub338 I-III)

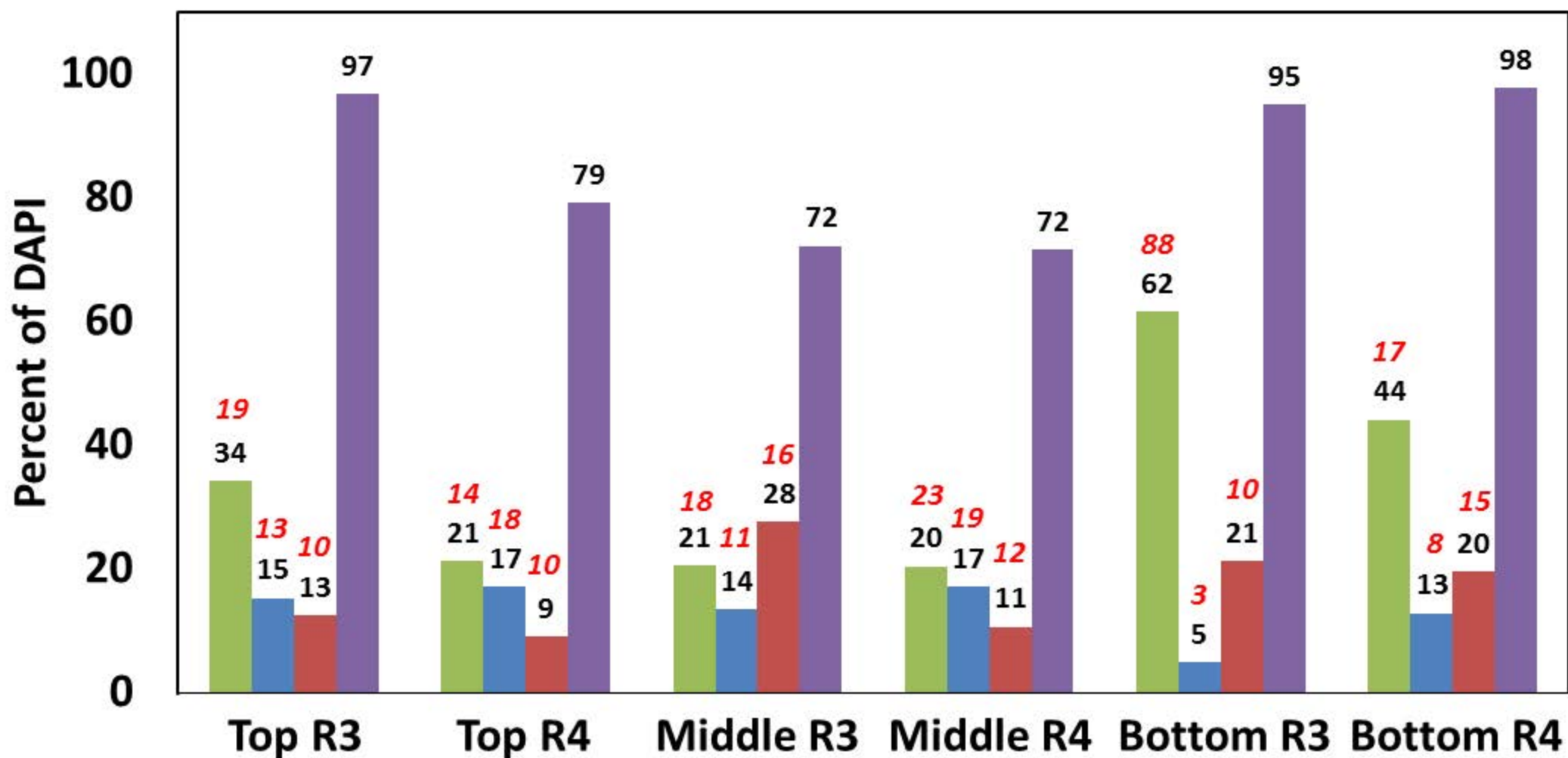


Table S1

Taxa name	Fell	Fetot	SO4	BR	Cl	Alk	NH4	O2	H2S	DOC
Acidobacteria;Acidobacteria;BPC102	+	+					+			
Acidobacteria;Acidobacteria;d142		+								
Acidobacteria;Acidobacteria;DA023		+							-	
Acidobacteria;Holophagae;Holophagales;Holophagaceae;Geothrix								+		
Actinobacteria;Acidimicrobiia;Acidimicrobiales;Acidimicrobiaceae;Ilumatobacter	+									
Actinobacteria;Acidimicrobiia;Acidimicrobiales;OCS155;marine;group	+	+							-	
Actinobacteria;Actinobacteria;Corynebacteriales;Mycobacteriaceae;Mycobacterium	+	+								
Actinobacteria;Actinobacteria;Kineosporiales;Kineosporiaceae;Kineococcus								+		
Actinobacteria;Actinobacteria;Micrococcales;Dermatophilaceae;Dermatophilus								+		
Actinobacteria;Actinobacteria;Micrococcales;Microbacteriaceae;S24526			-				-		-	
Actinobacteria;Actinobacteria;Propionibacteriales;Propionibacteriaceae;Propionibacterium	+	+			+	-	+			+
Actinobacteria;Actinobacteria;Pseudonocardiales;Pseudonocardiaceae;Pseudonocardia								+		
Actinobacteria;Coriobacteria;Coriobacteriales;Coriobacteriaceae;Coriobacterium								+		
Actinobacteria;Coriobacteria;Coriobacteriales;Coriobacteriaceae;Eggerthella								+		
Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Barnesiella								+		
Bacteroidetes;Cytophagia;Order;III;Incertae;Sedis;ML602J-37								+		
Bacteroidetes;Flavobacteria;Flavobacteriales;Cryomorphaceae;Owenweeksia	+	+								
Bacteroidetes;Flavobacteria;Flavobacteriales;Flavobacteriaceae;Gaetbulibacter							+	-		-
Bacteroidetes;Flavobacteria;Flavobacteriales;Flavobacteriaceae;Maritimimonas							+		+	
Bacteroidetes;Flavobacteria;Flavobacteriales;Flavobacteriaceae;NS5;marine;group			+	+	+	-				
Bacteroidetes;Ika33	+	+					+		+	
Bacteroidetes;Sphingobacteria;Sphingobacteriales;Chitinophagaceae;Sediminibacterium		+		+	+		+		-	-
Bacteroidetes;Sphingobacteria;Sphingobacteriales;Chitinophagaceae;uncultured							+			
Bacteroidetes;Sphingobacteria;Sphingobacteriales;NS11-12;marine;group		+								
Bacteroidetes;Sphingobacteria;Sphingobacteriales;Saprospiraceae;uncultured	+	+								
Bacteroidetes;Sphingobacteria;Sphingobacteriales;Sphingobacteriaceae;Pedobacter								+		
Bacteroidetes;VC2.1;Bac22	+	-	+	-	-	+	+		+	
Bacteroidetes;WCHB1-32	+	+					+			
Candidate;division;BRC1			-	-	-	-			-	
Candidate;division;OD1			-	-	-					

Taxa name	Fell	Fetot	SO4	BR	Cl	Alk	NH4	O2	H2S	DOC
Candidate;division;SR1	+						+			
Candidate;division;WS3			-							
Chlorobi;Chlorobia;Chlorobiales;OPB56			-				-	+		
Chlorobi;Ilgnavibacteria;Ilgnavibacteriales;BSV40							+			
Chlorobi;Ilgnavibacteria;Ilgnavibacteriales;PHOS-HE36		+							-	-
Chloroflexi;Anaerolineae;Anaerolineales;Anaerolineaceae;uncultured			-	-						-
Chloroflexi;JG30-KF-CM66		+								
Chloroflexi;Ktedonobacteria;C0119								+		
Chloroflexi;TK10		+								
Chloroflexi;vadinBA26	+	+					+			
Cyanobacteria;MLE1-12			-		-					-
Cyanobacteria;SHA-109			-					+		
Cyanobacteria;SubsectionI			-					+		
Cyanobacteria;SubsectionI;Prochlorococcus			+	+						
Cyanobacteria;SubsectionII;SubgroupII;Chroococciopsis								+	+	
Cyanobacteria;SubsectionIII;Geitlerinema	+	+					+		+	
Cyanobacteria;SubsectionIII;Leptolyngbya	-	+	+	+	+	-			-	
Cyanobacteria;SubsectionIII;Limnothrix								+		
Cyanobacteria;SubsectionIII;Oscillatoria	+	+	+	+	+	-				
Cyanobacteria;SubsectionIII;Phormidium								+		
Deferribacteres;Deferribacteres;Deferribacterales;SAR406;clade(Marine;group;A)	+	+								
Deinococcus-Thermus;Deinococci;Thermales;Thermaceae;Meiothermus								+		
Firmicutes;Bacilli;Bacillales;Alicyclobacillaceae;Tumebacillus								+		
Firmicutes;Bacilli;Bacillales;Bacillaceae;Anoxybacillus								+		
Firmicutes;Bacilli;Lactobacillales;Enterococcaceae;Enterococcus	-	+	-						+	+
Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Lactococcus							+		+	+
Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Sarcina									+	
Firmicutes;Clostridia;Clostridiales;Family;XII;Incertae;Sedis;Fusibacter	+	-	-				+			
Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Incertae;Sedis								+		
Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Incertae;Sedis								+		
Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;uncultured						+				-

Taxa name	Fell	Fetot	SO4	BR	Cl	Alk	NH4	O2	H2S	DOC
Proteobacteria;Alphaproteobacteria;Sphingomonadales;Erythrobacteraceae;Porphyrobacter				+	+	-			-	+
Proteobacteria;Alphaproteobacteria;Sphingomonadales;Erythrobacteraceae;uncultured	+									
Proteobacteria;Alphaproteobacteria;Sphingomonadales;Sphingomonadaceae;Blastomonas									+	
Proteobacteria;Alphaproteobacteria;Sphingomonadales;Sphingomonadaceae;Novosphingobium		-								
Proteobacteria;Betaproteobacteria;070125-BRIC7-5			-	-	-	+				
Proteobacteria;Betaproteobacteria;Burkholderiales;Alcaligenaceae;MWH-UniP1;aquatic;group									+	
Proteobacteria;Betaproteobacteria;Burkholderiales;Comamonadaceae;Acidovorax								+		
Proteobacteria;Betaproteobacteria;Burkholderiales;Comamonadaceae;Albidiferax							+		+	
Proteobacteria;Betaproteobacteria;Burkholderiales;Comamonadaceae;Delftia	-	-		+	+	+	+			+
Proteobacteria;Betaproteobacteria;Burkholderiales;Comamonadaceae;Leptothrix									+	
Proteobacteria;Betaproteobacteria;Burkholderiales;Comamonadaceae;Rhizobacter	+	+								
Proteobacteria;Betaproteobacteria;Burkholderiales;Comamonadaceae;uncultured	+	+					+		+	
Proteobacteria;Betaproteobacteria;Burkholderiales;Comamonadaceae;Variovorax				+	+	-				+
Proteobacteria;Betaproteobacteria;Hot;Creek;32	+	+					+			
Proteobacteria;Betaproteobacteria;Hydrogenophilales;Hydrogenophilaceae;Ferritrophicum	+							-	+	
Proteobacteria;Betaproteobacteria;Hydrogenophilales;Hydrogenophilaceae;Thiobacillus			-							
Proteobacteria;Betaproteobacteria;Hydrogenophilales;Hydrogenophilaceae;uncultured			-	-	-					
Proteobacteria;Betaproteobacteria;Nitrosomonadales;Gallionellaceae;Candidatus;Nitrotoga	+					+	+		-	
Proteobacteria;Betaproteobacteria;Nitrosomonadales;Gallionellaceae;Gallionella	+	+					+			
Proteobacteria;Betaproteobacteria;Nitrosomonadales;Gallionellaceae;uncultured	+	+				+	+		+	
Proteobacteria;Betaproteobacteria;Nitrosomonadales;Nitrosomonadaceae;Nitrosomonas	+			+	+				-	-
Proteobacteria;Betaproteobacteria;Rhodocyclales;Rhodocyclaceae;uncultured	+	-	+	-		+	+			-
Proteobacteria;Betaproteobacteria;TRA3-20		+								-
Proteobacteria;Candidatus;Thiobios	+	+					+		+	
Proteobacteria;Deltaproteobacteria;Bdellovibrionales;Bacteriovoraceae;uncultured							+			
Proteobacteria;Deltaproteobacteria;Desulfobacterales;Desulfobacteraceae;Desulfosalsimonas	+						+		+	
Proteobacteria;Deltaproteobacteria;Desulfobacterales;Desulfobulbaceae;Desulfobulbus	+	+				+	+		+	
Proteobacteria;Deltaproteobacteria;Desulfobacterales;Nitrospinaceae;Nitrospina	+	+								-
Proteobacteria;Deltaproteobacteria;Desulfuromonadales;Desulfuromonadaceae;Desulfuromusa	+	-	+	-			+			
Proteobacteria;Deltaproteobacteria;Desulfuromonadales;Desulfuromonadaceae;Pelobacter								+		
Proteobacteria;Deltaproteobacteria;Desulfuromonadales;GR-WP33-58			-	-	-	+				

Taxa name	Fell	Fetot	SO4	BR	Cl	Alk	NH4	O2	H2S	DOC
Proteobacteria;Deltaproteobacteria;DTB120	-	+	-				+		-	
Proteobacteria;Deltaproteobacteria;GR-WP33-30			-	+			-			
Proteobacteria;Deltaproteobacteria;Myxococcales;MSB-4B10								+		
Proteobacteria;Deltaproteobacteria;Myxococcalesnncystineaenncystaceae;uncultured;OTU654								+		
Proteobacteria;Deltaproteobacteria;Myxococcales;Nanocystineae;Nanocystaceae;Nanocystis	+									
Proteobacteria;Deltaproteobacteria;Sh765B-TzT-29	-	-	+	+	+	-	-			
Proteobacteria;Epsilonproteobacteria;Campylobacteriales;Helicobacteraceae;Sulfurimonas	+	-	+	-		+	+		+	
Proteobacteria;Epsilonproteobacteria;Campylobacteriales;Helicobacteraceae;Sulfurovum	+	-	+	-			+		+	
Proteobacteria;Gammaproteobacteria;Alteromonadales;Alteromonadaceae;Alteromonas	-	-	+	+	+	-				
Proteobacteria;Gammaproteobacteria;Alteromonadales;Alteromonadaceae;Marinimicrobium	+	+	+	+	+	-			-	
Proteobacteria;Gammaproteobacteria;Alteromonadales;Alteromonadaceae;Marinobacter	-	-	+	+	+	-				
Proteobacteria;Gammaproteobacteria;Alteromonadales;Alteromonadaceae;Simidua							+			
Proteobacteria;Gammaproteobacteria;BD7-8;marine;group			-	-	-		-			
Proteobacteria;Gammaproteobacteria;Chromatiales;Chromatiaceae;Nitrosococcus									+	
Proteobacteria;Gammaproteobacteria;Chromatiales;Chromatiaceae;Rheinheimera									+	
Proteobacteria;Gammaproteobacteria;CK-1C4-49							+			
Proteobacteria;Gammaproteobacteria;Legionellales;Coxiellaceae;Rickettsiella		+								+
Proteobacteria;Gammaproteobacteria;Methylococcales;Methylococcaceae;Methylobacter						+	+		-	
Proteobacteria;Gammaproteobacteria;Methylococcales;Methylococcaceae;Methylomonas			-	-	-	+				
Proteobacteria;Gammaproteobacteria;Oceanospirillales;Alcanivoracaceae;Kangiella	+	+					+			
Proteobacteria;Gammaproteobacteria;Oceanospirillales;Halomonadaceae;Chromohalobacter									-	+
Proteobacteria;Gammaproteobacteria;Oceanospirillales;Oceanospirillaceae;Marinobacterium									-	+
Proteobacteria;Gammaproteobacteria;Oceanospirillales;Oceanospirillaceae;Pseudospirillum			-	-	-					
Proteobacteria;Gammaproteobacteria;Oceanospirillales;Oleiphilaceae;Oleiphilus							+		+	
Proteobacteria;Gammaproteobacteria;Order;Incertae;Sedis;Family;Incertae;Sedis;Marinicella	-	+	-	+	+	+	-		-	+
Proteobacteria;Gammaproteobacteria;Pasteurellales;Pasteurellaceae;Haemophilus									+	
Proteobacteria;Gammaproteobacteria;Pseudomonadales;Moraxellaceae;Psychrobacter										+
Proteobacteria;Gammaproteobacteria;Pseudomonadales;Pseudomonadaceae;uncultured			+	+	+	-				
Proteobacteria;Gammaproteobacteria;Thiotrichales;H2-104-2	+	+					+			
Proteobacteria;Gammaproteobacteria;Thiotrichales;Thiotrichaceae;Leucothrix	+	+								
Proteobacteria;Gammaproteobacteria;Thiotrichales;Thiotrichaceae;Thioploca	+	+					+			

Taxa name	Fell	Fetot	SO4	BR	Cl	Alk	NH4	O2	H2S	DOC
Proteobacteria;Gammaproteobacteria;Xanthomonadales;Sinobacteraceae;uncultured								+		
Proteobacteria;Gammaproteobacteria;Xanthomonadales;Xanthomonadaceae;uncultured									+	
proteobacteria;JTB23		+				-	+		-	
Spirochaetes;Spirochaetes;Spirochaetales;PL-11B10								+		
Spirochaetes;Spirochaetes;Spirochaetales;Spirochaetaceae;Treponema								+		
TA06			-							
Tenericutes;Mollicutes;Entomoplasmatales;Spiroplasmataceae;Spiroplasma										+
Verrucomicrobia;Opitutae;Puniceococcales;Puniceococcaceae;Cerasicoccus	+									
Verrucomicrobia;Opitutae;Puniceococcales;Puniceococcaceae;uncultured							-	+		
Taxa name	Fell	Fetot	SO4	BR	Cl	Alk	NH4	O2	H2S	DOC
Acidobacteria;Acidobacteria;PAUC26f							-		-	
Actinobacteria;Acidimicrobiia;Acidimicrobiales;Acidimicrobiaceae;CL500-29;marine;group			-							
Actinobacteria;Acidimicrobiia;Acidimicrobiales;Sva0996;marine;group			+							
Actinobacteria;Actinobacteria;Corynebacteriales;Corynebacteriaceae;Corynebacterium						-				
Actinobacteria;Thermoleophilia;AKIW543			-						-	
Armatimonadetes							-			
Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella						-				
Bacteroidetes;Flavobacteria;Flavobacteriales;NS9;marine;group									-	
Bacteroidetes;Sphingobacteria;Sphingobacteriales;Saprospiraceae;Lewinella			-		+					
Bacteroidetes;Sphingobacteria;Sphingobacteriales;WCHB1-69	+	+			+					
Candidate;division;OP3									-	
Chloroflexi;Caldilineae;Caldilineales;Caldilineaceae;Caldilinea							-			
Chloroflexi;S085							-			
Cyanobacteria;SubsectionI;Synechococcus				+	+					
Cyanobacteria;SubsectionIII			-			-				
Deferribacteres;Deferribacteres;Deferribacterales;PAUC34f							-			
Elusimicrobia;Elusimicrobia;Lineage;IV									-	
Firmicutes;Bacilli;Bacillales;Planococcaceae;Lysinibacillus									-	
Firmicutes;Bacilli;Bacillales;Staphylococcaceae;Staphylococcus	-	-			-			+	+	

Taxa name	Fell	Fetot	SO4	BR	Cl	Alk	NH4	O2	H2S	DOC
Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus				+	+	-				
Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;uncultured		+					-			
Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus			-							
Fusobacteria;Fusobacteria;SHA-35									-	
Nitrospirae;Nitrospira;Nitrospirales;47209									-	
Planctomycetes;MBMPE71									-	
Planctomycetes;Planctomycetacia;Planctomycetales;Planctomycetaceae;Pir4;lineage								-	-	
Proteobacteria;Alphaproteobacteria;Caulobacterales;Hyphomonadaceae;Hirschia								-	-	
Proteobacteria;Alphaproteobacteria;Caulobacterales;Hyphomonadaceae;Hyphomonas			-							
Proteobacteria;Alphaproteobacteria;OCS116;clade								-	-	
Proteobacteria;Alphaproteobacteria;Rhizobiales;Beijerinckiaceae;uncultured			-						-	
Proteobacteria;Alphaproteobacteria;Rhizobiales;Brucellaceae;Ochrobactrum					-			+		
Proteobacteria;Alphaproteobacteria;Rhizobiales;DUNssu371			-							
Proteobacteria;Alphaproteobacteria;Rhizobiales;Family;Incertae;Sedis;Bauldia							-			
Proteobacteria;Alphaproteobacteria;Rhizobiales;Hyphomicrobiaceae;Pedomicrobium									-	
Proteobacteria;Alphaproteobacteria;Rhizobiales;Hyphomicrobiaceae;uncultured							-			
Proteobacteria;Alphaproteobacteria;Rhizobiales;KF-JG30-B3									-	
Proteobacteria;Alphaproteobacteria;Rhizobiales;Phyllobacteriaceae;Nitratireductor							-			
Proteobacteria;Alphaproteobacteria;Rhizobiales;Phyllobacteriaceae;uncultured							-			
Proteobacteria;Alphaproteobacteria;Rhizobiales;uncultured									-	
Proteobacteria;Alphaproteobacteria;Rhodobacterales;Rhodobacteraceae;Maritimibacter							-			
Proteobacteria;Alphaproteobacteria;Rhodobacterales;Rhodobacteraceae;Pseudorhodobacter								-	-	
Proteobacteria;Alphaproteobacteria;Rhodobacterales;Rhodobacteraceae;uncultured							-			
Proteobacteria;Alphaproteobacteria;Rhodospirillales;KCM-B-15									-	
Proteobacteria;Alphaproteobacteria;Rhodospirillales;wr0007			-							
Proteobacteria;Alphaproteobacteria;Rickettsiales;SM2D12									-	
Proteobacteria;Alphaproteobacteria;SAR11;clade;Surface;1			-		+					
Proteobacteria;Alphaproteobacteria;Sphingomonadales;Sphingomonadaceae;Sphingopyxis								+	+	
Proteobacteria;Betaproteobacteria;Burkholderiales;Burkholderiaceae;Limnobacter									-	
Proteobacteria;Betaproteobacteria;Burkholderiales;Comamonadaceae;Hydrogenophaga									-	
Proteobacteria;Betaproteobacteria;Methylophilales;Methylophilaceae;OM43;clade			+						-	

Table S2

Taxa name	FeII	Fetot	SO4	BR	Cl	Alk	NH4	O2	H2S	DOC
Acidobacteria_Acidobacteria_BPC102	+	+					+			
Acidobacteria_Acidobacteria_d142		+								
Acidobacteria_Acidobacteria_DA023		+							-	
Actinobacteria_Acidimicrobiia_Acidimicrobiales_Acidimicrobiaceae_Illumatobacter	+									
Actinobacteria_Acidimicrobiia_Acidimicrobiales_OCS155_marine_group	+	+							-	
Actinobacteria_Actinobacteria_Corynebacteriales_Mycobacteriaceae_Mycobacterium	+	+								
Actinobacteria_Actinobacteria_Propionibacteriales_Propionibacteriaceae_Propionibacterium	+	+			+	-	+			+ +
Bacteroidetes_Flavobacteria_Flavobacteriales_Cryomorphaceae_Owenweeksia	+	+								
Bacteroidetes_Ika33	+	+					+		+	
Bacteroidetes_Sphingobacteria_Sphingobacteriales_Chitinophagaceae_Sediminibacterium		+		+	+		+	-	-	
Bacteroidetes_Sphingobacteria_Sphingobacteriales_NS11-12_marine_group		+								
Bacteroidetes_Sphingobacteria_Sphingobacteriales_Saprospiraceae_uncultured	+	+								
Bacteroidetes_VC2.1_Bac22	+	- +		-	-	+	+		+	
Bacteroidetes_WCHB1-32	+	+					+			
Candidate_division_SR1	+						+			
Chlorobi_Ignavibacteria_Ignavibacteriales_PHOS-HE36		+						-	-	
Chloroflexi_JG30-KF-CM66		+								
Chloroflexi_TK10		+								
Chloroflexi_vadinBA26	+	+					+			
Cyanobacteria_SubsectionIII_Geitlerinema	+	+					+		+	
Cyanobacteria_SubsectionIII_Leptolyngbya	- +	- +	+	+	+	-			-	
Cyanobacteria_SubsectionIII_Oscillatoria		+ +	+	+	+	-				
Deferribacteres_Deferribacteres_Deferribacterales_SAR406_clade(Marine_group_A)	+	+								
Firmicutes_Bacilli_Lactobacillales_Enterococcaceae_Enterococcus		- +						+		+
Firmicutes_Clostridia_Clostridiales_Family_XII_Incertae_Sedis_Fusibacter	+	- -					+			
Ianctomycetes_Planctomycetacia_Planctomycetales_Planctomycetaceae_Pir4_lineage		+								
Lentisphaerae_Lentisphaeria_Ver1		+								
Nitrospirae_Nitrospira_Nitrospirales_Nitrospiraceae_Nitrospira	+	+							-	
Planctomycetes_O28H05-P-BN-P5	+	+								
Planctomycetes_Phycisphaerae_mle1-8	+	+					+		+	

	Fell	Fetot	SO4	BR	Cl	Alk	NH4	O2	H2S	DOC
Planctomycetes_Phycisphaerae_Phycisphaerales_Phycisphaeraceae_I-8		+								
Planctomycetes_Phycisphaerae_Phycisphaerales_Phycisphaeraceae_JL-ETNP-F27	+									
Planctomycetes_Phycisphaerae_S-70		+								
Planctomycetes_Pla4_lineage	+	+	+							
Proteobacteria_Alphaproteobacteria_DB1-14	+	+	-							
Proteobacteria_Alphaproteobacteria_Rhizobiales_A0839	+									
Proteobacteria_Alphaproteobacteria_Rhizobiales_Beijerinckiaceae_Chelatococcus		+								
Proteobacteria_Alphaproteobacteria_Rhizobiales_Brucellaceae_Pseudochrobactrum	+	+								
Proteobacteria_Alphaproteobacteria_Rhizobiales_Hyphomicrobiaceae_Filomicrobium		+	+	+	+	-				
Proteobacteria_Alphaproteobacteria_Rhizobiales_Phyllobacteriaceae_Pseudoaminobacter		+	+	+	+	-				
Proteobacteria_Alphaproteobacteria_Rhodobacterales_Rhodobacteraceae_Marivita	+	+					+			
Proteobacteria_Alphaproteobacteria_Rhodobacterales_Rhodobacteraceae_Paracoccus	+	+		-	-	+	+		-	
Proteobacteria_Alphaproteobacteria_Rhodobacterales_Rhodobacteraceae_Roseovarius	-	+	+	+	+	-	-			
Proteobacteria_Alphaproteobacteria_Rhodospirillales_Rhodospirillaceae_Rhodovibrio	+	+								
Proteobacteria_Alphaproteobacteria_SAR11_clade		+								
Proteobacteria_Alphaproteobacteria_SB1-18		+							-	
Proteobacteria_Alphaproteobacteria_Sphingomonadales_Erythrobacteraceae_Altererythrobacter		+								
Proteobacteria_Alphaproteobacteria_Sphingomonadales_Erythrobacteraceae_uncultured	+									
Proteobacteria_Betaproteobacteria_Burkholderiales_Comamonadaceae_Rhizobacter	+	+								
Proteobacteria_Betaproteobacteria_Burkholderiales_Comamonadaceae_uncultured	+	+					+		+	
Proteobacteria_Betaproteobacteria_Hot_Creek_32	+	+					+			
Proteobacteria_Betaproteobacteria_Hydrogenophilales_Hydrogenophilaceae_Ferritrophicum	+						-		+	
Proteobacteria_Betaproteobacteria_Nitrosomonadales_Gallionellaceae_Candidatus_Nitrotoga	+					+	+		-	
Proteobacteria_Betaproteobacteria_Nitrosomonadales_Gallionellaceae_Gallionella	+	+					+			
Proteobacteria_Betaproteobacteria_Nitrosomonadales_Gallionellaceae_uncultured	+	+				+	+		+	
Proteobacteria_Betaproteobacteria_Nitrosomonadales_Nitrosomonadaceae_Nitrosomonas	+			+	+			-	-	
Proteobacteria_Betaproteobacteria_Rhodocyclales_Rhodocyclaceae_uncultured	+	-	+	-		+	+		-	
Proteobacteria_Betaproteobacteria_TRA3-20		+							-	
Proteobacteria_Candidatus_Thiobios	+	+					+		+	
Proteobacteria_Deltaproteobacteria_Desulfobacterales_Desulfobacteraceae_Desulfosalsimonas	+						+		+	
Proteobacteria_Deltaproteobacteria_Desulfobacterales_Desulfobulbaceae_Desulfobulbus	+	+				+	+		+	
Proteobacteria_Deltaproteobacteria_Desulfobacterales_Nitrospinaceae_Nitrospina	+	+							-	
Proteobacteria_Deltaproteobacteria_Desulfuromonadales_Desulfuromonadaceae_Desulfuromusa	+	-	+	-			+			
Proteobacteria_Deltaproteobacteria_DTB120		-	+	-			+	-	-	

Table S3

Abundance of *Mariprofundus* in R3 and R4 at sites TASA top and NASA middle as detected by Fluorescence *In-Situ* Hybridization using the newly designed Mar665 probe. The abundance of *Mariprifundus* On particles in reactor R3 at TASA top was $10 \pm 3\%$.

Site	Reactor	Percent abundance	
		FISH	Sequencing
Top	R3	0.48% ($10\% \pm 3$ on agg)	2.1%
	R4	0.9%	1.1%
Middle	R3	4.7%	7.5%
	R4	1.2%	1.5%

Table S4

#	Order	Class	Phyla
1	Opitutales	27 Opitutae	41 Acidobacteria
2	Spirochaetales	28 Spirochaetes	42 Verrucomicrobia
3	Xanthomonadales		
4	Thiotrichales	29 Gammaproteobacteria	43 Proteobacteria
5	Methylococcales		
6	Chromatiales		
7	Campylobacterales	30 Epsilonproteobacteria	
8	Myxococcales	31 Deltaproteobacteria	
9	Desulfuromonadales		
10	Desulfobacterales		
11	Order Incertae Sedis	32 Class Incertae Sedis	
12	Rhodocyclales	33 Betaproteobacteria	
13	Nitrosomonadales		
14	Hydrogenophilales		
15	Burkholderiales		
16	Rhodospirillales	34 Alphaproteobacteria	
17	Rhodobacterales		
18	Rhizobiales		
19	Caulobacterales		
20	Phycisphaerales	35 Phycisphaerae	44 Planctomycetes
21	Nitrospirales	36 Nitrospira	45 Nitrospirae
22	Clostridiales	37 Clostridia	46 Firmicutes
23	Deferribacterales	38 Deferribacteres	47 Deferribacteres
24	SubsectionIII	39 Cyanobacteria	48 Cyanobacteria
25	SubsectionI		
26	Flavobacteriales	40 Flavobacteria	49 Bacteroidetes

Table S5

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Acidobacteria	Acidobacteria	Acidobacteriales	Acidobacteriaceae	uncultured
0.02	0.24	0.24	0.04	0.00	0.02	0.00	0.04	0.00	0.00	0.00	0.00	Bacteria	Acidobacteria	Acidobacteria	BPC102		
0.06	0.00	0.06	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Acidobacteria	Acidobacteria	Candidatus Chloracidobacterium		
0.16	0.06	0.16	0.57	0.11	0.19	0.07	0.26	0.00	0.00	0.00	0.00	Bacteria	Acidobacteria	Acidobacteria	DA023		
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Acidobacteria	Acidobacteria	DA052		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Acidobacteria	Acidobacteria	Elev-16S-573		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Acidobacteria	Acidobacteria	Order Incertae Sedis	Family Incertae Sedis	Bryobacter
0.00	0.01	0.01	0.02	0.02	0.02	0.00	0.04	0.00	0.00	0.00	0.00	Bacteria	Acidobacteria	Acidobacteria	PAUC26f		
0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Acidobacteria	Acidobacteria	d142		
0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Acidobacteria	Holophagae	43F-1404R		
0.05	0.02	0.05	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Acidobacteria	Holophagae	CA002		
0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Acidobacteria	Holophagae	Holophagales	Holophagaceae	Geothrix
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Acidimicrobiaceae	Acidimicrobium
0.01	0.05	0.05	0.00	0.00	0.04	0.05	0.18	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Acidimicrobiaceae	CL500-29 marine group
0.01	0.08	0.08	0.16	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Acidimicrobiaceae	Ilumatobacter
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Acidimicrobiaceae	uncultured
0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	lamiaceae	lamia
0.12	0.06	0.12	0.14	0.05	0.00	0.09	0.22	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155 marine group	
0.01	0.01	0.01	0.04	0.05	0.06	0.07	0.04	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Sva0996 marine group	
0.00	0.00	0.00	0.02	0.00	0.00	0.21	0.09	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	TM214	
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	uncultured	
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Actinomyces
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Varibaculum
0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	uncultured
0.01	0.00	0.01	0.00	0.02	0.05	0.04	0.29	0.00	0.00	0.00	0.06	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Corynebacteriaceae	Corynebacterium
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Geodermatophilaceae	Blastococcus
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Sporichthyaceae	Candidatus Planktophila
0.01	0.00	0.01	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.01	0.84	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Sporichthyaceae	hgcl clade
0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Kineosporiales	Kineosporiaceae	Pseudokineococcus
0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Kineosporiales	Kineosporiaceae	Quadrisphaera
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.06	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Brevibacteriaceae	Brevibacterium
0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Dermacoccaceae	Kytococcus
0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Dermatophilaceae	uncultured
0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Microbacterium
0.01	0.14	0.14	0.22	0.05	0.29	0.23	0.42	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	S24526
0.00	0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Yonghaparkia
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Arthrobacter
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.24	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Kocuria
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Micrococcus
0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Nocardiodaceae	Nocardiodides
0.00	0.00	0.00	0.00	2.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Propionibacteriaceae	Friedmanniella
0.00	0.00	0.00	0.02	0.07	0.36	0.05	0.07	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Propionibacteriaceae	Propionibacterium

TOP R1	TOP R2	TOP R3	TOP R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Pseudonocardiales	Pseudonocardiaceae	Pseudonocardia
0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Actinobacteria	Streptosporangiales	Streptosporangiaceae	Nonomurea
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Asaccharobacter
0.00	0.01	0.01	0.00	0.05	0.00	0.00	0.00	0.02	0.00	0.00	0.00	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Collinsella
0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Coriobacterium
0.00	0.00	0.00	0.00	0.00	2.67	0.00	0.04	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Eggerthella
0.01	0.32	0.32	0.03	0.02	0.00	0.00	0.11	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	uncultured
0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Nitriliruptoria	Nitriliruptorales	Nitriliruptoraceae	Nitriliruptor
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	OPB41			
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Rubrobacteria	Rubrobacterales	Rubrobacteriaceae	Rubrobacter
0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales	Gaiellaceae	Gaiella
0.03	0.16	0.16	0.27	0.02	0.21	0.01	0.35	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales	uncultured	
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales	480-2	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	Bacteria	Aquificae	Aquificae	Aquificales	Aquificaceae	Hydrogenobaculum
0.00	0.03	0.03	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Armatimonadetes				
0.81	0.71	0.81	0.96	0.46	0.31	2.38	0.09	0.00	0.00	0.00	0.00	Bacteria	BD1-5				
0.02	0.02	0.02	0.04	0.00	0.00	0.11	0.04	0.00	0.00	0.00	0.00	Bacteria	BHI80-139				
0.02	0.02	0.02	0.02	0.51	0.02	0.00	0.00	0.00	0.00	0.00	0.78	Bacteria	Bacteroidetes	BD2-2			
0.00	0.00	0.00	0.00	0.09	0.00	0.13	0.35	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	LKC2.127-25	
0.01	0.72	0.72	0.00	0.25	0.10	0.00	0.00	0.00	0.00	0.00	1.85	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Marinilabiaceae	uncultured
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	MgMjR-022	
0.02	0.01	0.02	0.00	0.00	0.02	0.04	0.11	0.00	0.00	0.00	0.30	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	RH-aaj90h05	
0.00	1.98	1.98	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae	vadinBC27 wastewater-sludge group
0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	S24-7	
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cyclobacteriaceae	Algoriphagus
0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Cytophaga
0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Dyadobacter
0.02	0.08	0.08	0.11	0.00	0.00	0.05	0.00	0.00	0.00	0.00	1.08	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Flexibacter
0.00	0.03	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Hymenobacter
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Meniscus
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	DUNssu136	
0.00	0.00	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	Flexithrix
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	Persicobacter
0.00	0.00	0.00	0.00	0.02	0.08	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	Reichenbachiella
0.01	0.02	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	Roseivirga
0.21	0.27	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	uncultured
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Order II Incertae Sedis	Rhodothermaceae	Rubricoccus
0.04	0.09	0.09	0.02	0.07	0.45	0.15	1.08	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Order II Incertae Sedis	Rhodothermaceae	uncultured
0.09	0.67	0.67	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Order III Incertae Sedis	Blgi5	
0.00	0.01	0.01	0.00	0.02	1.08	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Cytophagia	Order III Incertae Sedis	ML602J-37	
0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Blattabacteriaceae	Candidatus Sulcia

TOP R1	TOP R2	TOP R3	TOP R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.05	0.14	0.14	0.11	0.18	0.16	0.68	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Cryomorphaceae	Crocinitomix
0.04	0.06	0.06	0.00	0.00	0.08	0.80	0.02	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Cryomorphaceae	Fluviicola
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Cryomorphaceae	NS10 marine group
0.00	0.03	0.03	0.00	0.02	0.00	0.07	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Cryomorphaceae	NS7 marine group
0.13	0.25	0.25	0.37	0.09	0.06	0.32	0.20	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Cryomorphaceae	Owenweeksia
0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	
0.00	0.00	0.00	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Aequorivita
0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Algibacter
0.58	0.11	0.58	0.64	0.57	0.31	0.04	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Arenibacter
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Chryseobacterium
0.05	4.35	4.35	0.01	0.32	0.24	0.07	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Flavobacterium
0.28	0.28	0.28	0.31	0.02	0.06	0.33	2.96	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Gaetbulibacter
0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.09	0.00	2.03	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Gramella
0.01	0.00	0.01	0.15	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Kriegella
0.19	0.23	0.23	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Lutibacter
0.12	0.03	0.12	0.01	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Maribacter
0.00	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Mariniflexile
0.22	0.90	0.90	0.28	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Maritimimonas
0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	3.35	0.00	0.00	0.12	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	NS5 marine group
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Robiginitalea
0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Salinimicrobium
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Sediminibacter
0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Sediminicola
1.61	0.19	1.61	0.02	1.01	0.72	3.52	1.38	0.02	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Sufflavibacter
0.03	0.00	0.03	0.05	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Ulvibacter
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Vitellibacter
0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Winogradskyella
0.01	0.05	0.05	0.10	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	uncultured
0.05	0.02	0.05	0.08	0.00	0.00	0.08	0.22	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	NS9 marine group	
0.04	0.03	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Ika33			
0.00	0.49	0.49	0.04	0.27	0.10	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	SB-1			
0.05	0.20	0.20	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	SB-5			
0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	CMW-169	
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Ferruginibacter
0.06	0.03	0.06	0.30	0.16	0.00	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Sediminibacterium
0.11	0.30	0.30	0.02	0.07	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	uncultured
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	E6aC02	
0.00	0.02	0.02	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	KD3-93	
0.39	0.07	0.39	0.08	0.16	0.00	0.05	0.15	0.00	0.00	0.00	0.18	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	NS11-12 marine group	
0.00	0.00	0.00	0.10	0.00	0.00	0.31	0.55	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	PHOS-HE51	
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	ST-12K33	
0.00	0.02	0.02	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Saprospiraceae	Aureispira
0.00	0.11	0.11	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Saprospiraceae	Lewinella

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.09	0.20	0.20	0.16	0.09	0.04	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Saprospiraceae	uncultured
0.00	0.00	0.00	0.00	0.00	0.06	0.03	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae	Pedobacter
0.06	0.75	0.75	0.03	1.31	0.68	0.00	0.00	0.00	28.89	0.00	0.00	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	WCHB1-69	
0.00	0.00	0.00	0.01	0.00	0.23	0.08	0.09	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	env.OPS 17	
1.71	1.37	1.71	0.98	0.57	0.62	0.16	0.33	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	VC2.1 Bac22			
0.28	0.72	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	WCHB1-32			
0.00	0.08	0.08	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Bacteroidetes	vadinHA17			
0.03	0.20	0.20	0.30	0.18	0.12	0.17	0.61	0.00	0.00	0.00	0.36	Bacteria	Candidate division BRC1				
0.05	0.41	0.41	0.10	1.20	0.25	0.76	0.07	0.00	0.00	0.00	0.00	Bacteria	Candidate division OD1				
0.00	0.04	0.04	0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Candidate division OP11				
0.04	0.11	0.11	0.15	0.05	0.05	0.03	0.00	0.00	0.00	0.00	0.00	Bacteria	Candidate division OP3				
0.00	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Candidate division SR1				
0.04	0.00	0.04	0.01	0.02	0.02	0.08	0.00	0.02	0.00	0.00	0.00	Bacteria	Candidate division TM7				
0.20	0.25	0.25	0.61	5.92	1.72	0.00	3.16	0.00	0.00	0.00	0.00	Bacteria	Candidate division WS3				
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	Bacteria	Chlorobi	Chlorobia	Chlorobiales	Chlorobiaceae	
0.15	0.15	0.15	0.19	0.61	1.28	0.43	0.31	0.00	0.00	0.00	0.00	Bacteria	Chlorobi	Chlorobia	Chlorobiales	OPB56	
0.00	0.00	0.00	0.00	0.80	0.00	0.04	0.00	0.00	0.00	0.00	0.00	Bacteria	Chlorobi	Ignavibacteria	Ignavibacteriales	BSV26	
0.07	0.21	0.21	0.23	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	Bacteria	Chlorobi	Ignavibacteria	Ignavibacteriales	BSV40	
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Chlorobi	Ignavibacteria	Ignavibacteriales	Ignavibacteriaceae	Ignavibacterium
0.02	0.23	0.23	0.04	2.03	0.12	0.12	0.26	0.00	0.00	0.00	0.00	Bacteria	Chlorobi	Ignavibacteria	Ignavibacteriales	IheB3-7	
0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.07	0.00	0.00	0.00	0.00	Bacteria	Chlorobi	Ignavibacteria	Ignavibacteriales	LD-RB-34	
0.09	0.05	0.09	1.00	0.02	0.06	0.11	0.26	0.00	0.00	0.00	0.00	Bacteria	Chlorobi	Ignavibacteria	Ignavibacteriales	PHOS-HE36	
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	Bellilinea
0.00	0.05	0.05	0.01	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	Leptolinea
0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	Longilinea
0.38	0.77	0.77	0.71	1.90	1.28	2.01	1.80	0.00	0.00	0.00	0.96	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	uncultured
0.00	0.02	0.02	0.01	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	Caldilineae	Caldilineales	Caldilineaceae	Caldilinea
0.00	0.07	0.07	0.02	0.00	0.02	0.15	0.00	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	Caldilineae	Caldilineales	Caldilineaceae	uncultured
0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	Chloroflexi	AKIW781		
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	FW22			
0.12	0.09	0.12	0.47	0.02	0.36	0.24	0.33	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	JG30-KF-CM66			
0.00	0.00	0.00	0.01	0.00	0.04	0.01	0.11	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	KD4-96			
0.00	0.00	0.00	0.00	0.00	2.05	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	Ktedonobacteria	C0119		
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	MSBL5			
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	S085			
0.01	0.00	0.01	0.02	0.05	0.21	0.03	0.11	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	SAR202 clade			
0.06	0.02	0.06	0.15	0.00	0.08	0.16	0.31	0.00	0.00	0.00	0.00	Bacteria	Chloroflexi	TK10			
0.00	0.08	0.08	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	4C0d-2			
0.21	0.50	0.50	0.09	0.90	0.97	0.00	0.44	0.00	0.00	0.00	27.08	Bacteria	Cyanobacteria	Chloroplast			
0.00	0.18	0.18	0.00	0.07	2.17	0.00	0.00	0.00	0.00	0.00	1.79	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionI	FamilyI	
0.00	0.06	0.06	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionI	FamilyI	Acaryochloris
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionI	FamilyI	Cyanobacterium
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionI	FamilyI	Microcystis

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionI	FamilyI	Prochlorococcus
0.02	0.08	0.08	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionI	FamilyI	Synechococcus
0.64	17.09	17.09	0.44	0.09	5.67	0.00	0.04	5.72	0.00	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Dactylococcopsis
0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Euhalothece
0.43	0.71	0.71	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Geitlerinema
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	19.41	7.31	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Leptolyngbya
0.22	0.02	0.22	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Limnothrix
0.00	0.02	0.02	0.00	0.00	2.41	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Microcoleus
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.09	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Oscillatoria
0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Phormidium
0.00	0.11	0.11	0.00	0.00	1.57	0.00	0.15	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Pseudanabaena
0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	Cyanobacteria	uncultured		
0.00	0.06	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	ML635J-21			
0.06	0.05	0.06	0.16	0.09	0.31	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	MLE1-12			
0.03	0.02	0.03	0.07	0.02	0.00	0.33	0.48	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	SHA-109			
0.03	0.00	0.03	0.07	0.07	0.12	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	SM1D11			
0.00	0.02	0.02	0.00	0.02	0.00	0.07	0.18	0.00	0.00	0.00	0.00	Bacteria	Cyanobacteria	SM2F09			
0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Deferribacteres	Deferribacteres	Deferribacterales	Deferribacteraceae	uncultured
0.01	0.03	0.03	0.02	0.11	0.04	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Deferribacteres	Deferribacteres	Deferribacterales	Family Incertae Sedis	Caldithrix
0.00	0.00	0.00	0.05	0.02	0.00	0.00	0.04	0.00	0.00	0.00	0.00	Bacteria	Deferribacteres	Deferribacteres	Deferribacterales	PAUC34f	
0.20	0.32	0.32	0.07	0.14	0.04	0.12	0.04	0.00	0.00	0.00	0.00	Bacteria	Deferribacteres	Deferribacteres	Deferribacterales	SAR406 clade(Marine group A)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	Bacteria	Deinococcus-Thermus	Deinococci	Deinococcales	Trueperaceae	Truepera
0.00	0.00	0.00	0.00	0.00	0.31	0.07	0.00	0.00	0.00	0.00	0.00	Bacteria	Deinococcus-Thermus	Deinococci	Thermales	Thermaceae	Meiothermus
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Deinococcus-Thermus	Deinococci	Thermales	Thermaceae	Thermus
0.00	0.00	0.00	0.03	0.66	0.00	0.01	0.02	0.00	0.00	0.00	0.00	Bacteria	Dictyoglomi	Dictyoglomia	Dictyoglomales	Dictyoglomaceae	Dictyoglomus
0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Elusimicrobia	Elusimicrobia		11658	
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Elusimicrobia	Elusimicrobia	Lineage I (Endomicrobia)		
0.09	0.07	0.09	0.15	0.47	0.00	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Elusimicrobia	Elusimicrobia	Lineage IV		
0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Fibrobacteres	Fibrobacteria	Fibrobacterales	FD035	
0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Fibrobacteres	Fibrobacteria	Fibrobacterales	Fibrobacteraceae	uncultured
0.00	0.54	0.54	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Fibrobacteres	Fibrobacteria	P.palm C70		
0.00	0.00	0.00	0.00	0.07	0.14	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Bacilli	Bacillales	Alicyclobacillaceae	Tumebacillus
0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Anoxybacillus
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Bacilli	Bacillales	Family XI Incertae Sedis	Gemella
0.01	0.01	0.01	0.44	0.09	0.26	0.08	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Lysinibacillus
0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Planomicrobium
0.00	0.02	0.02	0.02	1.71	0.51	0.15	0.68	0.00	0.00	0.00	2.45	Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Staphylococcus
0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Globicatella
0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Enterococcus
0.00	0.02	0.02	0.01	0.11	1.18	0.00	0.18	0.00	0.00	0.00	2.51	Bacteria	Firmicutes	Bacilli	Lactobacillales	Lactobacillaceae	Lactobacillus
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Bacilli	Lactobacillales	Leuconostocaceae	Leuconostoc
0.00	0.02	0.02	0.00	2.73	1.75	0.03	0.70	0.00	0.00	0.00	1.20	Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.00	0.41	0.41	0.01	0.16	0.08	0.00	0.00	0.00	0.09	0.00	0.06	Bacteria	Firmicutes	Clostridia	Clostridiales	Christensenellaceae	uncultured
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	Candidatus Arthromitus
0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.37	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	Clostridium
0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	Sarcina
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Eubacteriaceae	Acetobacterium
0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Eubacteriaceae	uncultured
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Family XI Incertae Sedis	Peptoniphilus
0.02	0.21	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Family XII Incertae Sedis	Acidaminobacter
5.37	10.75	10.75	0.13	0.30	0.14	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Family XII Incertae Sedis	Fusibacter
0.00	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Family XIII Incertae Sedis	Anaerovorax
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	Bacteria	Firmicutes	Clostridia	Clostridiales	Family XIII Incertae Sedis	Mogibacterium
0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Anaerostipes
0.01	0.01	0.01	0.00	0.57	0.00	0.15	0.00	0.00	0.00	0.00	0.84	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Blautia
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Coprococcus
0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.13	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Dorea
0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Epulopiscium
0.01	0.02	0.02	0.01	0.46	24.14	0.20	0.90	0.00	0.22	0.00	2.15	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Incertae Sedis
0.00	0.01	0.01	0.00	0.00	0.10	0.00	0.00	0.00	0.09	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Pseudobutyryvibrio
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Roseburia
0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Shuttleworthia
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Syntrophococcus
0.19	0.60	0.60	0.02	0.66	1.08	0.08	0.77	0.00	0.13	0.00	0.90	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	uncultured
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	OPB54	
0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	P. palm C-A 51	
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Desulfotomaculum
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	uncultured
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Incertae Sedis
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	uncultured
0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Anaerotruncus
0.01	0.02	0.02	0.00	0.00	0.02	0.11	0.00	0.00	0.00	0.00	1.43	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Faecalibacterium
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Fastidiosipila
0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Incertae Sedis
0.07	0.07	0.07	0.01	0.23	0.14	0.05	0.00	0.18	0.09	0.02	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Ruminococcus
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Subdoligranulum
0.05	0.24	0.24	0.01	0.05	0.02	0.05	0.00	0.04	0.40	0.00	0.06	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	uncultured
0.00	0.01	0.01	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae	Anaerospira
0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae	Veillonella
0.00	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae	uncultured
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Thermoanaerobacterales	SRB2	
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Clostridia	Thermoanaerobacterales	Thermodesulfobiaceae	Coprothermobacter
0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Erysipelotrichi	Erysipelotrichales	Erysipelotrichaceae	Catenibacterium
0.00	0.24	0.24	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Erysipelotrichi	Erysipelotrichales	Erysipelotrichaceae	Erysipelothrix
0.00	0.00	0.00	0.00	0.00	0.06	0.23	0.00	0.00	0.00	0.00	0.00	Bacteria	Firmicutes	Erysipelotrichi	Erysipelotrichales	Erysipelotrichaceae	Incertae Sedis

TOP R1	TOP R2	TOP R3	TOP R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	Bacteria	Firmicutes	Erysipelotrichi	Erysipelotrichales	Erysipelotrichaceae	uncultured
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	Bacteria	Fusobacteria	Fusobacteria	BS1-0-74		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	Bacteria	Fusobacteria	Fusobacteria	Fusobacteriales	Fusobacteriaceae	Fusobacterium
0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Fusobacteria	Fusobacteria	Fusobacteriales	Leptotrichiaceae	uncultured
0.00	0.21	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Fusobacteria	Fusobacteria	MSBL6		
0.43	1.12	1.12	0.64	0.00	0.19	0.44	2.57	0.00	0.00	0.00	0.00	Bacteria	Fusobacteria	Fusobacteria	SHA-35		
0.03	0.03	0.03	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	GOUTA4				
0.00	0.05	0.05	0.06	0.00	0.21	0.05	0.04	0.00	0.00	0.00	0.00	Bacteria	Gemmatimonadetes	Gemmatimonadetes	BD2-11 terrestrial group		
0.01	0.00	0.01	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales	Gemmatimonadaceae	Gemmatimonas
0.03	0.01	0.03	0.54	0.28	0.10	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales	Gemmatimonadaceae	uncultured
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Hyd24-12				
0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	JL-ETNP-Z39				
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Lentisphaerae	Lentisphaeria	113B434		
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Lentisphaerae	Lentisphaeria	BS5		
0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Lentisphaerae	Lentisphaeria	DEV055		
0.00	0.00	0.00	0.00	0.00	0.06	0.38	0.00	0.00	0.00	0.00	0.00	Bacteria	Lentisphaerae	Lentisphaeria	Lentisphaerales	Lentisphaeraceae	Lentisphaera
0.02	0.11	0.11	0.00	0.02	0.02	0.05	0.02	0.00	0.00	0.00	0.00	Bacteria	Lentisphaerae	Lentisphaeria	MSBL3		
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Lentisphaerae	Lentisphaeria	PBS-III-20		
0.00	0.00	0.00	0.01	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	Bacteria	Lentisphaerae	Lentisphaeria	R76-B128		
0.08	0.09	0.09	0.10	0.09	0.14	0.03	0.00	0.00	0.00	0.00	0.00	Bacteria	Lentisphaerae	Lentisphaeria	Victivallales	Victivallaceae	Victivallis
0.02	0.30	0.30	0.02	1.11	0.92	0.47	0.09	0.00	0.00	0.00	0.00	Bacteria	Lentisphaerae	Lentisphaeria	Victivallales	Victivallaceae	uncultured
0.00	0.13	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Lentisphaerae	Lentisphaeria	WCHB1-41		
0.00	0.07	0.07	0.11	0.80	0.14	0.09	0.09	0.00	0.00	0.00	0.00	Bacteria	NPL-UPA2				
0.00	0.03	0.03	0.16	0.00	0.31	0.00	0.40	0.00	0.00	0.00	0.00	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	47209	
1.28	1.25	1.28	10.24	1.08	2.67	5.54	0.35	0.00	0.00	0.00	0.00	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	Nitrospira
0.12	0.02	0.12	0.02	0.05	0.21	0.05	0.33	0.00	0.00	0.00	0.12	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	uncultured
0.00	1.54	1.54	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	OPB95	
0.00	0.01	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	028H05-P-BN-P5			
0.00	0.02	0.02	0.51	0.14	0.12	1.11	0.09	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	BD7-11			
0.01	0.07	0.07	0.71	0.05	0.35	0.11	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	MBMPE71			
0.28	0.56	0.56	0.56	0.84	1.61	1.47	0.66	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	OM190			
0.01	0.03	0.03	0.10	0.05	1.03	0.31	0.15	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Phycisphaerae	CCM11a		
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Phycisphaerae	KCLunmb-38-53		
0.01	0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Phycisphaerae	MSB-3A7 sediment group		
0.00	0.01	0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Phycisphaerae	MSBL9		
0.01	0.00	0.01	0.36	0.07	0.33	0.13	0.24	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaeraceae	I-8
0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaeraceae	JL-ETNP-F27
0.09	0.12	0.12	0.62	0.44	2.52	0.19	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaeraceae	Phycisphaera
6.36	0.60	6.36	1.28	2.48	9.38	3.29	0.68	0.00	0.00	0.00	0.48	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaeraceae	SM1A02
0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.12	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaeraceae	Urania-1B-19 marine sediment group
0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Phycisphaerae	Pla1 lineage		
0.01	0.15	0.15	0.74	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Phycisphaerae	S-70		
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Phycisphaerae	SHA-43		

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Phycisphaerae	WD2101 soil group		
0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Phycisphaerae	mle1-8		
0.03	0.04	0.04	0.21	0.02	0.14	0.16	0.11	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Pla4 lineage			
0.03	0.01	0.03	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Planctomycetacia	Brocadiales	Brocadaceae	Candidatus Scalindua
0.00	0.02	0.02	0.00	0.04	0.05	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Blastopirellula
0.03	0.01	0.03	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Gemmata
0.04	0.12	0.12	0.43	0.16	0.04	0.08	0.09	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Pir4 lineage
0.02	0.00	0.02	0.13	0.00	0.33	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Pirellula
0.06	0.11	0.11	0.42	0.05	0.58	0.39	0.53	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Planctomyces
0.01	0.03	0.03	0.00	0.00	0.10	0.05	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Rhodopirellula
0.02	0.07	0.07	0.07	0.00	1.44	0.04	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	uncultured
0.00	0.00	0.00	0.01	0.00	0.16	0.00	0.04	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	SGST604			
0.02	0.11	0.11	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Planctomycetes	vadinHA49			
0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	AEGEAN-245			
0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	ARKDMS-49			
0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	ARKICE-90			
0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	4-Org1-14		
0.00	0.00	0.00	0.00	0.07	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Amorphus
8.07	0.10	8.07	0.02	0.39	0.21	0.56	0.15	0.00	0.04	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Brevundimonas
0.12	0.24	0.24	0.04	0.02	0.14	0.31	0.66	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Caulobacter
0.02	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Phenylobacterium
0.28	0.00	0.28	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	uncultured
0.00	0.05	0.05	0.23	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	Hirschia
0.45	1.08	1.08	0.06	0.11	0.10	0.17	0.22	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	Hyphomonas
0.52	0.04	0.52	0.03	0.66	0.02	0.05	0.26	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	Maricaulis
0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	Oceanicaulis
0.00	0.02	0.02	0.01	0.05	0.00	0.23	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	Woodsholea
0.02	0.03	0.03	0.00	0.00	0.10	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	uncultured
0.07	0.53	0.53	0.68	0.23	0.24	0.66	0.18	0.00	0.13	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	DB1-14		
0.00	0.01	0.01	0.04	0.57	0.16	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Kordiimonadales	Kordiimonadaceae	Kordiimonas
0.01	0.00	0.01	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	MNG3		
0.00	0.06	0.06	0.37	0.55	0.02	0.15	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	OCS116 clade		
0.13	0.23	0.23	0.89	0.62	1.64	1.14	0.15	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Parvularculales	Parvularculaceae	Parvularcula
0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	A0839	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bartonellaceae	Bartonella
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Chelatococcus
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methyloferula
0.03	0.00	0.03	0.04	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	uncultured
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Afipia
0.00	0.01	0.01	0.00	0.02	0.72	0.00	0.42	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Bosea
0.02	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Bradyrhizobium
0.00	0.02	0.02	0.02	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	uncultured

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.03	0.00	0.03	0.00	0.05	0.30	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	
0.01	0.01	0.01	0.00	0.07	0.00	0.00	0.00	0.02	0.00	0.00	0.54	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	Ochrobactrum
0.02	0.02	0.02	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	Pseudochrobactrum
0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	uncultured
0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Candidatus Liberibacter	
0.00	0.00	0.00	0.00	0.00	0.04	0.03	0.04	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	DUNssu044	
0.03	0.06	0.06	0.00	0.23	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	DUNssu371	
0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	F0723	
0.05	0.05	0.05	0.05	0.00	0.04	0.03	0.09	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Family Incertae Sedis	Bauldia
0.00	0.01	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Family Incertae Sedis	Rhizomicrobium
2.29	3.43	3.43	0.05	0.21	0.02	0.07	0.26	0.00	0.00	0.00	1.14	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Devosia
0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Dichotomicrobium
6.39	0.02	6.39	0.02	2.33	0.10	0.15	0.22	4.59	1.81	27.15	0.66	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Filomicrobium
0.05	0.17	0.17	0.10	0.18	0.02	0.05	0.11	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Hyphomicrobium
0.00	0.01	0.01	0.08	0.02	0.04	0.04	0.46	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Pedomicrobium
0.01	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Rhodomicrobium
0.11	0.05	0.11	0.07	0.05	0.06	0.04	0.26	0.04	0.00	0.01	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	uncultured
0.01	0.02	0.02	0.11	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	JG34-KF-361	
0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	KF-JG30-B3	
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	MNG7	
0.01	0.00	0.01	0.01	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylobacteriaceae	Methylobacterium
0.00	0.01	0.01	0.01	0.07	0.00	0.38	0.37	0.04	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylocystaceae	Methylocystis
0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylocystaceae	Methylosinus
0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylocystaceae	uncultured
0.10	0.01	0.10	0.00	0.00	0.06	0.15	0.44	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	P-102	
0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Aminobacter
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Aquamicrobium
1.22	0.51	1.22	0.05	0.39	0.29	0.15	0.11	2.35	10.04	0.45	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Hoeflea
0.05	0.05	0.05	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Mesorhizobium
0.05	0.02	0.05	0.00	0.09	0.14	0.38	0.24	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Nitratireductor
0.23	0.27	0.27	0.01	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Phyllobacterium
0.07	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.25	1.63	0.18	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Pseudaminobacter
0.02	0.00	0.02	0.01	0.00	0.08	0.05	0.20	0.00	0.00	0.00	0.06	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	uncultured
0.60	0.16	0.60	0.08	0.73	1.44	0.04	0.15	0.57	0.26	0.00	0.06	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Rhizobium
0.01	0.09	0.09	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Shinella
0.01	0.01	0.01	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhodobiaceae	Afifella
0.00	0.01	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhodobiaceae	Andersenella
0.04	0.04	0.04	0.03	0.02	0.10	0.07	0.44	0.00	0.00	0.04	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhodobiaceae	Parvibaculum
0.07	0.06	0.07	0.41	0.28	0.21	0.42	0.59	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhodobiaceae	Rhodobium
0.04	0.00	0.04	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhodobiaceae	Tepidamorphus
0.21	0.07	0.21	0.36	0.78	0.42	0.70	2.57	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Pseudolabrys
0.05	0.38	0.38	0.00	0.23	1.11	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Pseudoxanthobacter
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Xanthobacter

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.04	0.00	0.04	0.05	0.00	0.00	0.01	0.04	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	uncultured
0.01	0.02	0.02	0.10	0.11	0.04	0.21	0.46	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	uncultured	
0.00	0.01	0.01	0.12	0.29	0.16	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Catellibacterium
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Donghicola
0.07	0.01	0.07	0.00	0.30	0.12	0.75	0.77	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Jannaschia
0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Labrenzia
0.00	0.00	0.00	0.16	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Loktanella
0.00	0.00	0.00	0.00	0.15	0.02	0.05	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Maritimibacter
0.02	0.00	0.02	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Nesiotobacter
0.01	0.12	0.12	0.01	2.41	0.14	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Pannonibacter
1.19	0.69	1.19	1.03	0.18	0.23	0.29	1.80	0.00	0.00	0.00	0.06	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Paracoccus
0.04	0.05	0.05	0.30	0.02	0.02	0.00	0.09	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Pseudorhodobacter
0.06	0.16	0.16	0.39	4.56	0.24	0.39	0.31	0.02	0.00	0.01	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacter
0.01	0.03	0.03	0.10	0.00	0.02	0.01	0.07	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodovulum
0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Roseibacterium
0.00	0.96	0.96	0.00	0.00	1.13	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Roseicyclus
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Roseobacter
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Roseobacter clade DC5-80-3 lineage
0.01	0.00	0.01	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Roseobacter clade NAC11-7 lineage
24.55	0.31	24.55	0.49	0.78	1.13	0.12	0.11	39.09	43.42	61.81	1.43	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Roseovarius
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rubellimicrobium
0.00	0.00	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rubrimonas
0.01	0.00	0.01	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Salinihabitans
0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Seohaecicola
0.00	0.00	0.00	0.00	0.00	0.19	0.80	0.83	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Shimia
0.02	0.67	0.67	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Stappia
0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Sulfitobacter
0.01	0.00	0.01	0.00	0.18	0.00	0.03	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Tateyamaria
0.01	0.21	0.21	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Thalassobius
0.02	0.29	0.29	0.79	0.14	0.30	0.00	0.00	0.00	0.00	0.01	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Thioclava
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Tropicimonas
0.00	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Wenxinia
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Yangia
0.39	0.34	0.39	0.64	0.41	0.24	0.33	1.10	1.00	0.09	0.00	3.47	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	uncultured
0.00	0.00	0.00	0.00	0.00	3.29	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Acidiphilium
0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Craurococcus
0.02	0.17	0.17	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Roseomonas
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	uncultured
0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Candidatus Alysiosphaera	
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	DA111	
0.03	0.00	0.03	0.10	0.83	0.83	2.56	3.80	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Family Incertae Sedis	Oleomonas
0.00	0.00	0.00	0.01	0.02	0.18	0.05	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	I-10	

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.00	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	JG37-AG-20	
0.22	0.00	0.22	1.17	0.14	0.18	0.03	0.02	0.20	0.00	1.15	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	KCM-B-15	
0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	
0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	AEGEAN-169 marine group
0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Azospirillum
0.05	0.07	0.07	0.13	0.48	1.59	0.35	0.55	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Defluviococcus
0.00	0.06	0.06	0.04	0.14	2.07	0.04	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Dongia
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Nisaea
0.00	0.00	0.00	0.00	0.07	0.21	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	OM75 clade
0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Rhodospirillum
0.00	0.18	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Rhodovibrio
0.02	0.03	0.03	0.09	0.88	0.27	0.05	0.15	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Thalassobaculum
0.10	0.34	0.34	0.02	0.23	0.08	0.01	0.09	0.02	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Thalassospira
0.05	0.00	0.05	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Tistrella
0.25	0.26	0.26	1.67	5.50	2.21	3.66	1.54	0.00	0.00	0.00	0.06	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	uncultured
0.00	0.04	0.04	0.01	0.00	0.06	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	wr0007	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.15	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Anaplasmataceae	Wolbachia
0.01	0.07	0.07	0.03	0.02	0.02	0.43	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Candidatus Captivus	
0.05	0.00	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Candidatus Odysseia	
0.00	0.01	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	EF100-94H03	
0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Family Incertae Sedis	Caedibacter
0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Ho(lab)	
0.01	0.00	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Holosporaceae	Holospora
0.00	0.01	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	LWSR-14	
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	RB446	
0.00	0.02	0.02	0.01	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Rickettsiaceae	Rickettsia
0.00	0.01	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Rickettsiaceae	uncultured
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	SAR116 clade	
0.01	0.07	0.07	0.08	0.14	0.12	0.31	0.66	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	SM2D12	
0.75	0.01	0.75	0.02	0.07	0.05	0.29	0.00	0.14	0.00	2.87	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	TK34	
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	mitochondria	
0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	uncultured	
0.00	0.03	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	S26-47		
0.01	0.00	0.01	0.09	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11 clade		
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11 clade	LD12 freshwater group	
0.01	0.03	0.03	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.01	0.36	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11 clade	Surface 1	
0.00	0.00	0.00	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.30	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11 clade	Surface 1	Candidatus Pelagibacter
0.00	0.00	0.00	0.00	0.91	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11 clade	Surface 2	
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11 clade	Surface 3	
0.54	0.04	0.54	1.16	0.07	0.04	0.28	1.30	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	SB1-18		
0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Sneathiellales	Sneathiellaceae	Sneathiella
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales		
0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Altererythrobacter

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Erythrobacter
0.07	0.08	0.08	0.05	0.18	0.00	0.04	0.04	0.97	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Porphyrobacter
2.53	0.88	2.53	0.00	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Blastomonas
0.05	0.04	0.05	0.02	0.18	0.21	0.00	0.00	0.00	0.04	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Novosphingobium
0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingobium
0.09	0.04	0.09	0.15	0.55	0.36	0.00	0.02	0.02	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas
0.04	0.05	0.05	0.00	0.14	0.00	0.00	0.09	0.91	0.00	0.13	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingopyxis
0.00	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingosinicella
0.24	0.12	0.24	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Zymomonas
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	Bacteria	Proteobacteria	Alphaproteobacteria	iodide-oxidizers		
0.91	7.43	7.43	0.55	2.95	2.17	0.87	1.05	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	070125-BRIC7-5		
0.03	0.02	0.03	0.01	0.02	0.00	0.00	0.00	0.00	0.09	0.00	1.20	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Achromobacter
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Bordetella
0.00	0.02	0.02	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Derxia
0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	GKS98 freshwater group
0.31	0.01	0.31	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	MWH-UniP1 aquatic group
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Pigmentiphaga
0.00	0.02	0.02	0.00	1.49	0.06	0.01	0.37	0.00	0.00	0.00	0.90	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	uncultured
0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiaceae	Burkholderia
0.00	0.01	0.01	0.22	0.05	0.00	0.00	0.11	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiaceae	Limnobacter
0.00	0.02	0.02	0.01	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.36	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiaceae	Polynucleobacter
0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.54	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiaceae	Ralstonia
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	
0.11	0.12	0.12	0.25	0.00	2.89	0.00	0.13	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Acidovorax
0.01	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Albidiferax
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Aquabacterium
0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Caenimonas
0.01	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Comamonas
0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Delftia
0.03	1.78	1.78	0.00	0.28	0.00	0.00	3.60	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Hydrogenophaga
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Ideonella
0.67	0.18	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Leptothrix
0.00	0.02	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.01	0.06	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Limnohabitans
0.02	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Malikia
0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Piscinibacter
0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Rhizobacter
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Simplicispira
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Sphaerotilus
0.00	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Tepidicella
0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Tepidimonas
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Variovorax
0.00	0.10	0.10	0.10	0.11	0.21	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	uncultured
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Oxalobacteraceae	Herbaspirillum

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.03	0.02	0.03	0.01	1.36	1.80	0.15	0.59	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Oxalobacteraceae	Massilia
0.07	0.12	0.12	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Oxalobacteraceae	Undibacterium
0.06	0.07	0.07	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Hot Creek 32		
0.00	0.02	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Hydrogenophilales	Hydrogenophilaceae	Ferritrophicum
0.01	0.12	0.12	0.04	0.29	0.45	0.35	0.15	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Hydrogenophilales	Hydrogenophilaceae	Thiobacillus
1.14	2.54	2.54	0.90	0.62	0.70	3.20	0.57	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Hydrogenophilales	Hydrogenophilaceae	uncultured
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	LD28 freshwater group
0.76	0.53	0.76	2.09	0.20	0.05	2.97	1.87	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	Methylotenera
0.03	0.02	0.03	0.11	0.18	0.00	0.19	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	OM43 clade
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	PRD01a011B
0.00	0.03	0.03	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	uncultured
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	Bacteria	Proteobacteria	Betaproteobacteria	Neisseriales	Neisseriaceae	Neisseria
0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Neisseriales	Neisseriaceae	uncultured
0.16	0.88	0.88	1.03	0.36	0.23	0.24	0.40	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Gallionellaceae	Candidatus Nitrotoga
0.18	0.71	0.71	0.13	0.11	0.04	0.68	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Gallionellaceae	Gallionella
0.20	0.78	0.78	0.20	0.16	0.02	0.00	0.07	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Gallionellaceae	Sideroxydans
1.46	2.52	2.52	1.71	0.71	0.00	0.00	0.18	0.00	0.00	0.00	0.54	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Gallionellaceae	uncultured
0.30	0.38	0.38	4.84	0.07	0.10	0.62	0.09	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas
0.51	0.63	0.63	1.93	0.39	0.87	0.15	4.15	0.00	0.00	0.00	0.96	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Nitrosomonadaceae	uncultured
0.04	0.01	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	
0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Azoarcus
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Azospira
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Dechloromonas
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Georgfuchsia
0.09	0.14	0.14	0.00	0.02	0.23	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Methyloversatilis
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Propionivibrio
0.96	3.18	3.18	1.42	0.91	0.83	0.76	3.71	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Sulfuritalea
0.02	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Thauera
0.51	1.54	1.54	1.44	0.11	0.92	0.16	1.56	0.00	0.00	0.00	0.48	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	uncultured
0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	SC-I-84		
0.10	0.02	0.10	0.51	0.16	0.14	0.08	0.09	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	TRA3-20		
0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	UCT N117		
0.01	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Betaproteobacteria	oca12		
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	CF2			
0.10	0.17	0.17	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Candidatus Thiobios			
2.51	2.52	2.52	1.15	5.80	0.23	7.55	1.54	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Class Incertae Sedis	Order Incertae Sedis	Family Incertae Sedis	Mariprofundus
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	43F-1404R		
0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Apal-E12		
0.04	0.14	0.14	0.37	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoracaceae	Bacteriovorax
0.09	0.67	0.67	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoracaceae	Deferrisoma
0.02	0.04	0.04	0.03	0.00	0.02	0.00	0.04	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoracaceae	Peredibacter
0.02	0.30	0.30	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoracaceae	uncultured
0.00	0.17	0.17	0.04	0.02	0.04	1.14	0.04	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.22	0.30	0.30	0.11	0.05	0.02	1.02	0.15	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	OM27 clade
1.56	2.95	2.95	6.54	1.42	0.46	0.12	0.83	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	DTB120		
0.00	0.18	0.18	0.00	0.43	0.08	0.00	0.04	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfarculales	Desulfarculaceae	Desulfarculus
0.02	0.26	0.26	0.01	1.46	0.08	0.00	0.15	0.00	0.00	0.00	1.14	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfarculales	Desulfarculaceae	uncultured
0.00	0.07	0.07	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	
0.00	0.01	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfatibacillum
0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfatiferula
0.01	0.12	0.12	0.01	0.32	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfatirhabdium
0.00	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfobacter
0.00	0.74	0.74	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfobacterium
0.06	1.58	1.58	0.01	4.70	0.35	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfobacula
0.00	0.15	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfobotulus
0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfococcus
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfofrigus
0.07	0.38	0.38	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfosalsimonas
0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfosarcina
0.00	0.39	0.39	0.00	0.02	0.00	0.04	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	SEEP-SRB1
0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Sva0081 sediment group
0.03	0.16	0.16	0.02	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	uncultured
2.52	3.43	3.43	0.57	0.84	0.37	0.40	0.09	0.00	0.00	0.01	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	Desulfobulbus
0.19	0.55	0.55	0.19	0.97	0.06	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	Desulfocapsa
0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	Desulfopila
0.03	0.00	0.03	0.01	0.66	0.00	0.03	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	Desulfurivibrio
0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	MSBL7
0.04	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	SEEP-SRB4
0.07	1.27	1.27	0.07	39.03	1.33	0.03	0.07	0.00	0.00	0.00	0.66	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	uncultured
0.71	0.04	0.71	3.51	0.47	1.03	0.47	1.08	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Nitrospinaceae	Nitrospina
0.01	0.01	0.01	0.05	3.39	0.10	0.03	0.02	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Nitrospinaceae	uncultured
0.00	0.63	0.63	0.00	0.07	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfomicrobiaceae	Desulfomicrobium
0.00	0.44	0.44	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfovibrionaceae	Desulfocurvus
0.00	0.69	0.69	0.06	0.09	0.00	0.04	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfovibrionaceae	Desulfovibrio
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfurellales	Desulfurellaceae	uncultured
0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales		
0.10	3.80	3.80	0.04	0.27	0.10	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Desulfuromonadaceae	Desulfuromonas
0.57	9.94	9.94	0.20	0.72	0.35	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Desulfuromonadaceae	Desulfuromusa
0.04	0.00	0.04	0.00	0.02	0.42	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Desulfuromonadaceae	Pelobacter
0.43	0.27	0.43	0.22	0.00	0.14	0.11	0.09	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	GR-WP33-58	
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Geobacteraceae	Geobacter
3.53	21.33	21.33	0.41	10.22	23.60	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Geobacteraceae	Geopsychrobacter
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Geobacteraceae	Geothermobacter
0.38	1.00	1.00	0.16	11.78	9.36	0.39	4.57	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Sva1033	
0.00	0.03	0.03	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	FW113		
0.14	0.03	0.14	0.24	0.47	0.29	0.15	0.09	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	GR-WP33-30		

TOP R1	TOP R2	TOP R3	TOP R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.04	5.86	5.86	0.05	0.02	0.21	0.38	0.02	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	0319-6G20	
0.04	0.32	0.32	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Cystobacterineae	uncultured
0.00	0.04	0.04	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	MSB-4B10	
0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Nannocystineae	Haliangiaceae
0.00	0.24	0.24	0.02	0.18	1.65	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Nannocystineae	Nannocystaceae
0.05	0.14	0.14	0.03	1.06	0.00	0.00	0.22	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Nannocystineae	uncultured
0.01	0.06	0.06	0.02	0.11	0.08	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Sorangiineae	Phaselicytidaceae
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Sorangiineae	Polyangiaceae
0.03	0.05	0.05	0.06	0.00	0.10	0.11	0.09	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Sorangiineae	Sandaracinaceae
0.08	0.08	0.08	0.33	0.05	0.67	0.07	0.57	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Sorangiineae	uncultured
0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	mle1-27	
0.04	0.06	0.06	0.09	0.75	0.04	0.00	0.00	0.00	0.00	0.00	1.67	Bacteria	Proteobacteria	Deltaproteobacteria	SAR324 clade(Marine group B)		
0.06	0.05	0.06	0.07	0.05	0.10	0.12	0.00	0.45	0.04	0.07	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Sh765B-TzT-29		
0.02	0.47	0.47	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Sva0485		
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophaceae	Smithella
0.02	0.02	0.02	0.03	0.95	0.00	0.00	0.11	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophaceae	Syntrophus
0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophaceae	uncultured
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Elev-16S-509			
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Epsilonproteobacteria			
0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Epsilonproteobacteria	BG.g7		
0.09	0.08	0.09	0.00	0.09	0.00	0.03	0.04	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Campylobacteraceae	Arcobacter
0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Helicobacteraceae	Helicobacter
0.02	0.00	0.02	0.00	2.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Helicobacteraceae	Sulfuricurvum
3.26	6.58	6.58	1.14	2.42	1.13	0.72	0.02	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Helicobacteraceae	Sulfurimonas
6.39	5.44	6.39	1.94	0.71	0.02	0.00	0.00	0.00	0.00	0.00	0.54	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Helicobacteraceae	Sulfurovum
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	Bacteria	Proteobacteria	Epsilonproteobacteria	Nautiliales	Nautiliaceae	Nitratifactor
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria			
0.01	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	1013-28-CG33		
0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	Bacteria	Proteobacteria	Gammaproteobacteria	Acidithiobacillales	KCM-B-112	
0.10	0.17	0.17	0.00	0.00	0.06	0.00	0.02	0.02	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Aeromonadaceae	Aeromonas
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Succinivibrionaceae	uncultured
0.09	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alishewanella
0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.07	0.00	0.00	0.96	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonas
0.06	0.02	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	BD1-7 clade
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Congregibacter
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Dasania
0.00	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Glaciecola
0.00	0.01	0.01	0.04	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.72	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Haliea
0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	11.56	0.04	0.00	0.78	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Marinimicrobium
0.00	0.00	0.00	0.01	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.42	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Marinobacter
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Melitea
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Microbulbifer
0.04	0.04	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	OM60(NOR5) clade

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Porticoccus
0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	SAR92 clade
0.00	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Simiduia
0.00	0.00	0.00	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Colwelliaceae	Colwellia
0.00	0.00	0.00	0.01	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Idiomarinaceae	Pseudidiomarina
0.00	0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas
0.00	0.00	0.00	0.08	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	uncultured
0.00	0.04	0.04	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae	Shewanella
0.17	1.72	1.72	0.72	0.29	1.22	0.35	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	BD7-8 marine group		
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	CK-1C2-67		
0.02	0.49	0.49	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	CK-1C4-49		
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	CS-B046		
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Chromatiaceae	Halochromatium
0.06	0.02	0.06	0.17	0.02	0.06	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Chromatiaceae	Nitrosococcus
5.93	0.68	5.93	0.01	0.32	0.67	0.01	0.09	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Chromatiaceae	Rheinheimera
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Chromatiaceae	Thiohalocapsa
0.35	2.46	2.46	0.54	0.14	0.02	0.05	0.15	0.05	0.00	0.00	0.12	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae	Acidiferrobacter
0.01	1.41	1.41	0.02	0.00	0.12	0.31	0.33	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae	Thioalkalispira
0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae	Thioalkalivibrio
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae	Thiorhodospira
0.02	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Granulosicoccaceae	Granulosicoccus
0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Halothiobacillaceae	Thiovirga
0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	EC3		
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	
0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Citrobacter
0.00	0.00	0.00	0.01	0.73	2.00	0.01	0.00	0.00	0.00	0.00	0.18	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Enterobacter
0.00	0.01	0.01	0.00	0.04	0.00	0.08	0.61	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Escherichia-Shigella
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Klebsiella
0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Pantoea
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Proteus
0.01	0.02	0.02	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	KI89A clade		
0.00	0.00	0.00	0.01	0.05	0.10	0.39	0.02	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	Aquicella
0.01	0.07	0.07	0.08	0.18	0.02	0.04	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	Coxiella
0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	uncultured
0.09	0.05	0.09	0.27	0.28	0.06	0.60	0.37	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	Legionella
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	uncultured
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales		
0.00	0.08	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	CABC2E06	
0.10	0.50	0.50	0.18	0.11	0.00	1.86	0.02	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Crenotrichaceae	Crenothrix
0.22	0.04	0.22	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	ET-SHO	
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Hyd24-01	
0.29	0.48	0.48	0.31	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter
0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylodulum

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.00	0.03	0.03	0.01	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylomicrobium
1.50	5.13	5.13	3.25	1.86	2.79	9.09	3.86	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylomonas
0.04	0.07	0.07	0.00	0.07	0.39	1.82	0.11	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylsoma
0.04	0.01	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	pltb-vmat-59	
0.09	0.08	0.09	0.07	0.55	0.02	0.00	0.11	0.00	0.00	0.00	0.42	Bacteria	Proteobacteria	Gammaproteobacteria	NKB5		
0.00	0.01	0.01	0.01	0.02	0.00	0.00	0.00	0.04	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Alcanivoraceae	Alcanivorax
0.02	0.13	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Alcanivoraceae	Kangiella
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	B78-89	
0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	CrystalBog021C3	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Chromohalobacter
0.01	0.02	0.02	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Halomonas
0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	MBAE14	
0.01	0.01	0.01	0.00	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	OM182 clade	
0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Balneatrix
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Marinobacterium
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Nitrincola
0.18	0.16	0.18	0.14	0.30	0.27	0.42	0.29	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Pseudospirillum
0.11	0.23	0.23	0.06	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oleiphilaceae	Oleiphilus
0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	SAR86 clade	
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	SS1-B-06-26	
0.07	0.16	0.16	0.02	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	SUP05 cluster	
0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	ZD0405	
0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Order Incertae Sedis	Family Incertae Sedis	Arenicella
0.44	0.11	0.44	0.06	1.68	0.00	0.00	0.00	6.29	0.70	1.09	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Order Incertae Sedis	Family Incertae Sedis	Marinicella
3.26	0.85	3.26	0.60	0.66	0.06	0.00	4.43	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Order Incertae Sedis	Family Incertae Sedis	Sedimenticola
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Order Incertae Sedis	Family Incertae Sedis	Thiohalomonas
0.01	0.00	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Order Incertae Sedis	Family Incertae Sedis	Thiohalophilus
0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	PYR10d3		
0.00	0.00	0.00	0.01	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Haemophilus
0.09	0.01	0.09	0.00	0.05	0.06	0.03	0.09	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter
0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Perlucidibaca
0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	uncultured
0.75	1.20	1.20	0.30	0.96	0.52	0.16	0.61	0.00	0.00	0.00	0.30	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas
0.61	0.02	0.61	0.01	1.24	0.15	0.00	0.00	0.45	0.13	0.27	0.60	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	uncultured
0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Sva0071		
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	TDNP-Wbc97-24-4-116		
0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	EV818SWSAP88	
0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Family Incertae Sedis	Caedibacter
0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Francisellaceae	Francisella
0.03	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	H2-104-2	
0.02	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	Cycloclasticus
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	Piscirickettsia
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	endosymbionts

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	uncultured
0.00	0.02	0.02	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Thiotrichaceae	Beggiatoa
0.03	0.02	0.03	0.02	0.29	1.23	0.00	0.15	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Thiotrichaceae	Thiothrix
0.04	0.14	0.14	0.14	0.05	0.00	0.09	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Thiotrichaceae	uncultured
0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Photobacterium
0.00	0.00	0.00	0.02	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.06	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio
0.03	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	WN-HWB-116		
0.02	0.06	0.06	0.07	0.05	0.19	0.12	0.00	0.00	0.00	0.00	1.49	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Sinobacteraceae	JTB255 marine benthic group
0.10	0.12	0.12	0.31	0.51	2.11	0.36	0.26	0.00	0.00	0.00	1.14	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Sinobacteraceae	uncultured
0.00	0.09	0.09	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Aquimonas
0.01	0.59	0.59	0.03	0.16	1.44	0.03	0.00	0.00	0.00	0.00	1.20	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Arenimonas
0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.01	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Luteimonas
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Lysobacter
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Pseudofulvimonas
0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Pseudoxanthomonas
0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Rhodanobacter
1.51	0.11	1.51	0.78	0.69	0.22	0.12	0.33	1.31	0.00	4.31	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Silanimonas
0.01	0.01	0.01	0.01	4.63	8.17	0.04	0.09	0.00	0.00	0.00	0.84	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Stenotrophomonas
0.00	0.06	0.06	0.00	0.00	0.10	0.20	0.04	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Thermomonas
0.00	0.02	0.02	0.01	5.95	0.28	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Xanthomonas
5.07	0.28	5.07	0.55	0.60	0.56	0.03	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	uncultured
0.06	0.05	0.06	0.39	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	JTB23			
0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	MACA-EFT26			
0.05	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	SC3-20			
0.00	0.04	0.04	0.04	0.05	0.36	0.12	0.09	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	SPOTSOCT00m83			
0.01	0.14	0.14	0.06	0.09	0.02	0.19	0.07	0.00	0.00	0.00	0.00	Bacteria	Proteobacteria	TA18			
0.00	0.89	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	RF3				
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	SM2F11				
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	Bacteria	Spirochaetes	Spirochaetes	Kazan-3B-09		
0.00	0.18	0.18	0.00	0.00	0.02	0.00	0.11	0.00	0.00	0.00	0.00	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Leptospiraceae	Leptospira
0.01	0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Leptospiraceae	uncultured
0.00	0.02	0.02	0.01	0.02	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	PL-11B10	
0.01	1.85	1.85	0.05	1.69	0.06	0.00	0.00	0.00	0.00	0.00	0.60	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Spirochaetaceae	Spirochaeta
0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Spirochaetaceae	Treponema
0.01	3.81	3.81	0.01	4.56	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Spirochaetaceae	uncultured
0.07	1.00	1.00	0.22	1.86	1.03	0.05	0.18	0.00	0.00	0.00	0.00	Bacteria	TA06				
0.04	0.24	0.24	0.25	2.22	0.34	3.60	2.06	0.00	0.00	0.00	0.00	Bacteria	TM6				
0.00	0.03	0.03	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Tenericutes	Mollicutes			
0.00	0.94	0.94	0.00	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Tenericutes	Mollicutes	Acholeplasmatales	Acholeplasmataceae	Acholeplasma
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma
0.01	0.08	0.08	0.02	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Verrucomicrobia	OPB35 soil group			
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Verrucomicrobia	Opitutae	Opitiales	Opitutaceae	Alterococcus
45.10	1.08	45.10	0.45	8.91	6.13	0.28	0.42	0.00	0.00	0.00	0.90	Bacteria	Verrucomicrobia	Opitutae	Opitiales	Opitutaceae	Opitutus

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent maximal sequence frequency observed in multiple subsamples																	
0.00	0.03	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Verrucomicrobia	Opitutae	Puniceococcales	Puniceococcaceae	
0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Verrucomicrobia	Opitutae	Puniceococcales	Puniceococcaceae	Pelagicoccus
0.00	0.34	0.34	0.01	2.37	5.57	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Verrucomicrobia	Opitutae	Puniceococcales	Puniceococcaceae	uncultured
0.08	0.07	0.08	1.69	0.39	0.85	0.60	0.00	0.00	0.00	0.00	0.00	Bacteria	Verrucomicrobia	Opitutae	vadinHA64		
0.09	0.00	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	DEV007	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Akkermansia
0.00	0.53	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Luteolibacter
0.00	0.00	0.00	0.00	0.02	0.02	0.55	0.04	0.00	0.00	0.00	0.00	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Prostheobacter
0.00	0.10	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	uncultured
5.89	9.52	9.52	6.15	2.76	9.94	5.32	2.39	0.36	1.76	0.22	2.93	No Relative					

Table S6

TOP R1	TOP R2	TOP R3	TOP R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Acidobacteria	Acidobacteria	Acidobacteriales	Acidobacteriaceae	uncultured
1	5	4	3	0	1	0	1	0	0	0	0	Bacteria	Acidobacteria	Acidobacteria	BPC102		
1	0	0	3	0	0	0	0	0	0	0	0	Bacteria	Acidobacteria	Acidobacteria	Candidatus Chloracidobacterium		
7	4	11	19	2	5	2	3	0	0	0	0	Bacteria	Acidobacteria	Acidobacteria	DA023		
0	2	0	0	0	0	0	0	0	0	0	0	Bacteria	Acidobacteria	Acidobacteria	DA052		
0	0	0	0	0	0	0	1	0	0	0	0	Bacteria	Acidobacteria	Acidobacteria	Elev-16S-573		
0	0	0	0	0	0	0	1	0	0	0	0	Bacteria	Acidobacteria	Acidobacteria	Order Incertae Sedis	Family Incertae Sedis	Bryobacter
0	1	0	2	1	1	0	1	0	0	0	0	Bacteria	Acidobacteria	Acidobacteria	PAUC26f		
0	1	1	1	0	0	0	0	0	0	0	0	Bacteria	Acidobacteria	Acidobacteria	d142		
0	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Acidobacteria	Holophagae	43F-1404R		
2	2	0	0	0	1	0	0	0	0	0	0	Bacteria	Acidobacteria	Holophagae	CA002		
0	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Acidobacteria	Holophagae	Holophagales	Holophagaceae	Geothrix
0	0	2	0	0	0	0	0	0	0	0	0	Bacteria	Acidobacteria	Holophagae	Holophagales	Holophagaceae	uncultured
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Acidobacteria	RB25			
0	0	2	0	0	0	0	1	0	0	0	0	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Acidimicrobiaceae	Acidimicrobium
1	2	2	0	0	1	1	1	0	0	0	0	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Acidimicrobiaceae	CL500-29 marine group
1	2	1	3	1	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Acidimicrobiaceae	Ilumatobacter
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Acidimicrobiaceae	uncultured
0	0	0	0	0	0	1	0	0	0	0	0	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Iamiaceae	Iamia
6	3	7	4	1	0	1	2	0	0	0	0	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OCS155 marine group	
1	1	1	2	1	1	1	2	0	0	0	0	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Sva0996 marine group	
0	0	2	2	0	0	2	1	0	0	0	0	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	TM214	
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	uncultured	
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Actinomyces
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Varibaculum
1	0	1	0	1	1	1	1	0	0	0	1	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Corynebacteriaceae	Corynebacterium
0	0	2	0	1	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Mycobacteriaceae	Mycobacterium
0	0	0	0	0	0	0	1	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Geodermatophilaceae	Blastococcus
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Sporichthyaceae	Candidatus Planktophila
1	0	4	0	0	3	0	0	0	0	1	2	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Sporichthyaceae	hgcl clade
0	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Kineosporiales	Kineosporiaceae	Pseudokineococcus
0	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Kineosporiales	Kineosporiaceae	Quadrisphaera
0	0	0	0	0	0	0	0	1	0	0	1	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Brevibacteriaceae	Brevibacterium
0	0	0	0	0	0	1	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Dermacoccaceae	Kytococcus
0	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Dermatophilaceae	uncultured
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Microbacterium
1	4	3	3	0	4	1	1	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	S24526
0	2	0	0	1	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Yonghaparkia
0	0	0	0	0	0	0	0	0	0	0	1	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Arthrobacter
0	0	0	0	0	0	0	1	0	0	0	1	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Kocuria
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Micrococcus
0	0	2	0	0	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Nocardiodaceae	Marmoricola

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
0	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Nocardioideaceae	Nocardioides
0	0	2	1	0	1	1	1	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Propionibacteriaceae	Propionibacterium
0	0	1	0	6	1	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Pseudonocardiales	Pseudonocardaceae	Pseudonocardia
0	0	1	0	1	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Actinobacteria	Streptomycetales	Streptomycetaceae	Streptomyces
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Asaccharobacter
0	1	1	0	0	0	0	0	1	0	0	0	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Collinsella
0	0	0	0	2	1	0	0	0	0	0	0	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Coriobacterium
0	0	0	0	0	3	0	1	0	0	0	0	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Eggerthella
1	13	1	2	1	0	0	1	0	0	0	0	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	uncultured
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Actinobacteria	MB-A2-108			
1	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Nitriliruptoria	Nitriliruptorales	Nitriliruptoraceae	Nitriliruptor
0	0	0	1	1	0	0	0	0	0	0	0	Bacteria	Actinobacteria	OPB41			
0	0	0	1	0	0	0	2	0	0	0	0	Bacteria	Actinobacteria	Rubrobacteria	Rubrobacteriales	Rubrobacteriaceae	Rubrobacter
0	0	1	1	0	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales	Gaiellaceae	Gaiella
2	6	12	15	0	1	1	4	0	0	0	0	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales	uncultured	
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacteriales	480-2	
0	0	0	0	0	0	0	0	0	0	0	1	Bacteria	Aquificae	Aquificae	Aquificales	Aquificaceae	Hydrogenobaculum
0	2	1	1	1	1	0	0	0	0	0	0	Bacteria	Armatimonadetes				
18	17	23	25	0	5	13	2	0	0	0	0	Bacteria	BD1-5				
2	1	4	1	0	0	1	1	0	0	0	0	Bacteria	BHI80-139				
2	2	1	2	1	1	0	0	0	0	0	2	Bacteria	Bacteroidetes	BD2-2			
0	0	2	0	5	0	3	5	0	0	0	0	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	LKC2.127-25	
1	4	1	0	3	1	0	0	0	0	0	3	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Marinilabiaceae	uncultured
0	1	0	0	1	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	MgMJR-022	
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Paludibacter
0	0	1	0	3	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas
2	1	2	0	0	1	3	1	0	0	0	1	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	RH-aaj90h05	
0	26	1	1	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae	vadinBC27 wastewater-sludge group
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cyclobacteriaceae	Algoriphagus
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cyclobacteriaceae	uncultured
0	0	0	0	1	0	1	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Cytophaga
2	7	1	10	1	0	2	0	0	0	0	1	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Flexibacter
0	2	2	1	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Hymenobacter
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Meniscus
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	DUNssu136	
0	0	0	1	1	1	0	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	Flexithrix
0	0	2	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	Marinoscillum
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	Persicobacter
0	0	0	0	0	2	0	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	Reichenbachiella
1	2	0	0	0	1	0	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	Roseivirga
3	1	3	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	uncultured

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
0	0	0	0	0	0	0	0	0	1	0	0	Bacteria	Bacteroidetes	Cytophagia	Order II Incertae Sedis	Rhodothermaceae	Rubricoccus
3	4	4	4	0	3	2	2	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Order II Incertae Sedis	Rhodothermaceae	uncultured
1	5	0	1	1	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Order III Incertae Sedis	Blgi5	
0	1	0	0	0	4	0	0	0	0	0	0	Bacteria	Bacteroidetes	Cytophagia	Order III Incertae Sedis	ML602J-37	
1	5	3	4	0	4	3	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Cryomorphaceae	Crocinitomix
1	3	1	0	0	2	5	1	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Cryomorphaceae	Fluviicola
0	0	0	1	2	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Cryomorphaceae	NS10 marine group
0	2	2	0	0	0	1	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Cryomorphaceae	NS7 marine group
8	5	14	15	1	2	3	3	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Cryomorphaceae	Owenweeksia
0	0	1	0	1	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Cryomorphaceae	uncultured
1	0	0	0	1	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Actibacter
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Aequorivita
0	0	0	0	1	0	2	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Algibacter
8	5	1	6	1	2	1	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Arenibacter
0	0	0	0	0	0	0	1	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Chryseobacterium
3	43	3	1	0	3	1	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Flavobacterium
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Formosa
9	4	4	6	1	1	1	1	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Gaetbulibacter
0	0	0	2	0	0	0	1	0	7	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Gramella
1	0	2	7	1	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Kriegella
4	5	4	1	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Lutibacter
5	2	0	1	3	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Maribacter
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Mariniflexile
3	9	14	8	1	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Maritimimonas
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	NS2b marine group
0	0	2	1	1	0	0	0	6	0	0	1	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	NS5 marine group
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Psychroserpens
0	2	1	0	1	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Robiginitalea
1	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Salinimicrobium
0	0	0	1	2	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Sediminibacter
2	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Sediminicola
12	6	5	2	1	2	9	8	1	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Sufflavibacter
1	0	1	2	0	0	3	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Ulvibacter
2	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Vitellibacter
2	3	4	3	0	0	2	0	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	Flavobacteriaceae	uncultured
3	2	3	1	0	0	1	2	0	0	0	0	Bacteria	Bacteroidetes	Flavobacteria	Flavobacteriales	NS9 marine group	
2	1	0	1	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Ika33			
0	9	1	4	3	4	0	0	0	0	0	0	Bacteria	Bacteroidetes	SB-1			
4	4	2	2	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	SB-5			
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	AKYH767	
0	2	0	0	1	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	CMW-169	
0	0	2	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Chitinophaga

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
0	1	1	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Ferruginibacter
3	1	5	5	0	0	1	0	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Sediminibacterium
6	9	2	1	3	2	0	0	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	uncultured
0	0	0	0	1	0	0	0	0	0	0	1	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	E6aC02	
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	KD1-131	
0	1	3	2	0	1	0	0	0	0	1	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	KD3-93	
8	2	7	5	0	0	2	2	0	0	0	1	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	NS11-12 marine group	
0	0	0	2	0	0	4	4	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	PHOS-HE51	
0	1	0	0	1	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	ST-12K33	
0	2	0	0	1	0	1	0	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Saprospiraceae	Aureispira
0	3	0	0	0	1	0	0	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Saprospiraceae	Lewinella
6	10	8	7	0	2	1	0	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Saprospiraceae	uncultured
0	0	0	0	0	1	1	0	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae	Pedobacter
5	19	10	4	1	9	0	0	0	17	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	WCHB1-69	
0	0	1	1	0	2	2	1	0	0	0	0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	env.OPS 17	
20	17	30	23	0	2	3	4	0	0	0	0	Bacteria	Bacteroidetes	VC2.1 Bac22			
2	10	0	0	0	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	WCHB1-32			
0	5	4	1	1	0	0	0	0	0	0	0	Bacteria	Bacteroidetes	vadinHA17			
3	5	5	10	3	4	5	11	0	0	0	1	Bacteria	Candidate division BRC1				
5	13	11	11	0	3	11	2	0	0	0	0	Bacteria	Candidate division OD1				
0	3	0	0	4	1	1	0	0	0	0	0	Bacteria	Candidate division OP11				
2	5	1	5	0	1	1	0	0	0	0	0	Bacteria	Candidate division OP3				
0	2	2	0	5	0	0	0	0	0	0	0	Bacteria	Candidate division SR1				
4	0	1	1	0	1	1	0	1	0	0	0	Bacteria	Candidate division TM7				
15	12	17	19	0	12	0	3	0	0	0	0	Bacteria	Candidate division WS3				
0	0	0	0	3	0	0	0	0	0	1	0	Bacteria	Chlorobi	Chlorobia	Chlorobiales	Chlorobiaceae	
7	8	7	12	9	4	3	2	0	0	0	0	Bacteria	Chlorobi	Chlorobia	Chlorobiales	OPB56	
0	0	0	0	1	0	1	0	0	0	0	0	Bacteria	Chlorobi	Ignavibacteria	Ignavibacteriales	BSV26	
2	3	10	4	1	0	0	0	0	0	1	0	Bacteria	Chlorobi	Ignavibacteria	Ignavibacteriales	BSV40	
0	0	2	1	0	0	0	0	0	0	0	0	Bacteria	Chlorobi	Ignavibacteria	Ignavibacteriales	Ignavibacteriaceae	Ignavibacterium
1	9	5	4	1	2	1	4	0	0	0	0	Bacteria	Chlorobi	Ignavibacteria	Ignavibacteriales	IheB3-7	
0	0	1	0	25	0	0	1	0	0	0	0	Bacteria	Chlorobi	Ignavibacteria	Ignavibacteriales	LD-RB-34	
3	2	12	13	0	1	1	3	0	0	0	0	Bacteria	Chlorobi	Ignavibacteria	Ignavibacteriales	PHOS-HE36	
0	0	0	1	5	0	0	0	0	0	0	0	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	Bellilinea
0	2	0	1	3	1	0	0	0	0	0	0	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	Leptolinea
1	1	0	0	1	0	0	0	0	0	0	0	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	Longilinea
10	23	20	18	0	13	11	9	0	0	0	5	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	uncultured
0	1	5	1	9	1	1	0	0	0	0	0	Bacteria	Chloroflexi	Caldilineae	Caldilineales	Caldilineaceae	Caldilinea
0	4	3	2	1	1	1	0	0	0	0	0	Bacteria	Chloroflexi	Caldilineae	Caldilineales	Caldilineaceae	uncultured
0	0	0	3	1	0	0	0	0	0	0	0	Bacteria	Chloroflexi	Chloroflexi	AKIW781		
0	1	2	0	0	0	0	0	0	0	0	0	Bacteria	Chloroflexi	FW22			
7	3	19	12	1	3	3	6	0	0	0	0	Bacteria	Chloroflexi	JG30-KF-CM66			
0	0	2	0	0	0	0	0	0	0	0	0	Bacteria	Chloroflexi	JG37-AG-4			

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
0	0	0	1	8	1	1	1	0	0	0	0	Bacteria	Chloroflexi	KD4-96			
0	0	0	0	0	3	0	0	0	0	0	0	Bacteria	Chloroflexi	Ktedonobacteria	C0119		
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Chloroflexi	MSBL5			
0	0	0	0	0	0	0	1	0	0	0	0	Bacteria	Chloroflexi	S085			
1	0	0	2	0	1	2	1	0	0	0	0	Bacteria	Chloroflexi	SAR202 clade			
4	1	8	11	1	2	1	3	0	0	0	0	Bacteria	Chloroflexi	TK10			
0	0	2	0	0	0	0	0	0	0	0	0	Bacteria	Chloroflexi	vadinBA26			
0	1	0	0	0	1	0	0	0	0	0	0	Bacteria	Cyanobacteria	4C0d-2			
9	13	5	7	0	8	0	3	0	0	0	22	Bacteria	Cyanobacteria	Chloroplast			
0	6	0	0	0	7	0	0	0	0	0	3	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionI	FamilyI	
0	1	0	0	0	1	0	1	0	0	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionI	FamilyI	Acaryochloris
1	0	0	0	1	0	0	0	0	0	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionI	FamilyI	Cyanobacterium
0	0	0	0	0	0	0	0	0	1	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionI	FamilyI	Microcystis
0	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionI	FamilyI	Prochlorococcus
1	4	0	0	0	1	0	0	0	0	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionI	FamilyI	Synechococcus
8	84	1	5	5	21	0	1	25	0	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	
0	2	0	0	2	0	0	0	0	0	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Dactylococcopsis
0	1	0	1	0	0	0	0	0	0	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Euhalotheca
9	14	1	0	0	0	0	0	0	0	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Geitlerinema
0	2	1	0	0	0	0	0	25	14	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Leptolyngbya
5	1	0	0	0	3	0	0	0	0	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Limnothrix
0	1	0	0	0	2	0	0	0	0	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Microcoleus
0	0	0	0	2	0	0	0	5	2	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Oscillatoria
0	0	0	0	0	2	0	0	0	0	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Phormidium
0	1	0	0	0	5	0	1	0	0	0	0	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Pseudanabaena
0	0	0	0	1	1	0	0	0	0	0	0	Bacteria	Cyanobacteria	Cyanobacteria	uncultured		
0	4	4	1	0	0	0	0	0	0	0	0	Bacteria	Cyanobacteria	ML635J-21			
4	2	4	5	0	2	1	0	0	0	0	0	Bacteria	Cyanobacteria	MLE1-12			
2	1	1	3	0	0	2	2	0	0	0	0	Bacteria	Cyanobacteria	SHA-109			
2	0	0	2	0	1	0	0	0	0	0	0	Bacteria	Cyanobacteria	SM1D11			
0	1	0	0	0	0	2	2	0	0	0	0	Bacteria	Cyanobacteria	SM2F09			
2	3	6	1	0	1	1	0	0	0	0	0	Bacteria	Deferribacteres	Deferribacteres	Deferribacterales	Family Incertae Sedis	Caldithrix
0	0	2	6	0	0	0	1	0	0	0	0	Bacteria	Deferribacteres	Deferribacteres	Deferribacterales	PAUC34f	
5	4	6	3	0	1	1	1	0	0	0	0	Bacteria	Deferribacteres	Deferribacteres	Deferribacterales	SAR406 clade(Marine group A)	
0	0	0	0	2	0	0	1	0	0	0	0	Bacteria	Deinococcus-Thermus	Deinococci	Deinococcales	Trueperaceae	Truepera
0	0	1	0	1	1	3	0	0	0	0	0	Bacteria	Deinococcus-Thermus	Deinococci	Thermales	Thermaceae	Meiothermus
0	0	0	1	2	0	0	0	0	0	0	0	Bacteria	Deinococcus-Thermus	Deinococci	Thermales	Thermaceae	Thermus
0	0	0	2	1	0	1	1	0	0	0	0	Bacteria	Dictyoglomi	Dictyoglomia	Dictyoglomales	Dictyoglomaceae	Dictyoglomus
1	0	0	0	3	0	0	0	0	0	0	0	Bacteria	Elusimicrobia	Elusimicrobia	Lineage I (Endomicrobia)		
4	2	4	3	1	0	0	1	0	0	0	0	Bacteria	Elusimicrobia	Elusimicrobia	Lineage IV		
0	0	1	1	1	0	0	0	0	0	0	0	Bacteria	Fibrobacteres	Fibrobacteria	Fibrobacterales	FD035	
1	1	2	1	2	0	0	0	0	0	0	0	Bacteria	Fibrobacteres	Fibrobacteria	Fibrobacterales	Fibrobacteraceae	uncultured
0	1	2	1	0	0	0	0	0	0	0	0	Bacteria	Fibrobacteres	Fibrobacteria	P.palm C70		

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
0	0	0	0	0	1	0	1	0	0	0	0	Bacteria	Firmicutes	Bacilli	Bacillales	Alicyclobacillaceae	Tumebacillus
0	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Anoxybacillus
0	0	1	0	1	0	0	0	0	0	0	0	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus
0	0	1	1	1	0	0	0	0	0	0	0	Bacteria	Firmicutes	Bacilli	Bacillales	Family XI Incertae Sedis	Gemella
1	1	1	12	0	2	4	0	0	0	0	0	Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Lysinibacillus
0	0	0	0	5	2	0	0	0	0	0	0	Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Planomicrobium
0	1	4	1	0	1	1	4	0	0	0	3	Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Staphylococcus
0	0	1	0	0	0	1	0	0	0	0	0	Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Enterococcus
0	2	1	1	0	1	0	1	0	0	0	4	Bacteria	Firmicutes	Bacilli	Lactobacillales	Lactobacillaceae	Lactobacillus
0	0	1	0	1	0	0	1	0	0	0	0	Bacteria	Firmicutes	Bacilli	Lactobacillales	Leuconostocaceae	Leuconostoc
0	1	2	0	0	4	1	4	0	0	0	3	Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus
0	11	2	1	0	2	0	0	0	1	0	1	Bacteria	Firmicutes	Clostridia	Clostridiales	Christensenellaceae	uncultured
0	0	0	0	0	0	0	1	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	Candidatus Arthromitus
0	0	0	0	2	0	0	2	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	Clostridium
0	0	1	0	0	1	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	Sarcina
0	1	0	0	4	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Eubacteriaceae	Acetobacterium
0	0	0	0	1	1	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Eubacteriaceae	uncultured
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Family XI Incertae Sedis	Peptoniphilus
1	5	0	0	2	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Family XII Incertae Sedis	Acidaminobacter
18	61	1	2	0	2	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Family XII Incertae Sedis	Fusibacter
0	1	0	0	7	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Family XIII Incertae Sedis	Anaerovorax
0	0	0	0	2	0	0	0	0	0	0	1	Bacteria	Firmicutes	Clostridia	Clostridiales	Family XIII Incertae Sedis	Mogibacterium
0	0	0	0	0	0	2	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Anaerostipes
1	1	1	0	1	0	3	0	0	0	0	2	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Blautia
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Coprococcus
0	0	0	0	0	0	0	2	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Dorea
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Epulopiscium
1	1	2	2	0	15	8	9	0	4	0	3	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Incertae Sedis
0	1	0	0	0	1	0	0	0	2	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Pseudobutyrvibrio
0	0	0	0	2	0	0	0	0	1	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Roseburia
0	0	0	0	0	0	1	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Shuttleworthia
0	0	0	0	0	0	0	0	0	0	0	1	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Syntrophococcus
6	9	6	4	0	4	2	5	0	2	0	1	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	uncultured
0	1	0	0	4	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	OPB54	
0	2	1	0	0	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	P. palm C-A 51	
0	1	0	0	1	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Desulfotomaculum
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	uncultured
0	0	0	0	5	0	0	2	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Incertae Sedis
0	0	0	0	0	0	0	0	0	0	0	2	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	uncultured
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Anaerotruncus
2	2	3	0	0	1	1	0	0	0	0	2	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Faecalibacterium
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Fastidiosipila
0	0	0	0	7	1	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Incertae Sedis

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
7	3	3	1	0	6	4	0	3	1	2	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Ruminococcus
0	1	0	0	0	0	0	0	0	0	0	1	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Subdoligranulum
1	11	4	1	0	1	3	0	2	9	0	1	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	uncultured
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae	Anaerospira
0	3	0	0	0	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae	uncultured
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Halanaerobiales	uncultured	
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Thermoanaerobacterales	SRB2	
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Firmicutes	Clostridia	Thermoanaerobacterales	Thermodesulfobiaceae	Coprothermobacter
0	0	1	0	0	1	0	0	0	0	0	0	Bacteria	Firmicutes	Erysipelotrichi	Erysipelotrichales	Erysipelotrichaceae	Catenibacterium
0	3	0	1	0	0	0	0	0	0	0	0	Bacteria	Firmicutes	Erysipelotrichi	Erysipelotrichales	Erysipelotrichaceae	Erysipelothrix
0	0	1	0	8	2	1	0	0	0	0	0	Bacteria	Firmicutes	Erysipelotrichi	Erysipelotrichales	Erysipelotrichaceae	Incertae Sedis
0	0	1	0	0	0	0	0	0	0	0	1	Bacteria	Firmicutes	Erysipelotrichi	Erysipelotrichales	Erysipelotrichaceae	uncultured
0	0	0	0	2	0	0	1	0	0	0	0	Bacteria	Fusobacteria	Fusobacteria	BS1-0-74		
0	0	2	0	1	0	0	2	0	0	0	0	Bacteria	Fusobacteria	Fusobacteria	Fusobacteriales	Fusobacteriaceae	Fusobacterium
0	1	0	0	2	0	0	0	0	0	0	0	Bacteria	Fusobacteria	Fusobacteria	Fusobacteriales	Leptotrichiaceae	uncultured
0	5	1	0	0	0	0	0	0	0	0	0	Bacteria	Fusobacteria	Fusobacteria	MSBL6		
4	8	6	11	0	2	5	7	0	0	0	0	Bacteria	Fusobacteria	Fusobacteria	SHA-35		
3	3	5	5	0	0	0	0	0	0	0	0	Bacteria	GOUTA4				
0	1	0	3	0	2	2	1	0	0	0	0	Bacteria	Gemmatimonadetes	Gemmatimonadetes	BD2-11 terrestrial group		
1	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales	Gemmatimonadaceae	Gemmatimonas
3	1	5	16	0	1	0	0	0	0	0	0	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales	Gemmatimonadaceae	uncultured
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Hyd24-12				
0	1	3	1	0	0	0	0	0	0	0	0	Bacteria	JL-ETNP-Z39				
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Lentisphaerae	Lentisphaeria	113B434		
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Lentisphaerae	Lentisphaeria	BS5		
0	2	0	0	0	0	0	0	0	0	0	0	Bacteria	Lentisphaerae	Lentisphaeria	DEV055		
0	0	0	0	0	3	2	0	0	0	0	0	Bacteria	Lentisphaerae	Lentisphaeria	Lentisphaerales	Lentisphaeraceae	Lentisphaera
2	6	1	0	0	1	1	1	0	0	0	0	Bacteria	Lentisphaerae	Lentisphaeria	MSBL3		
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Lentisphaerae	Lentisphaeria	PBS-III-20		
0	0	1	1	0	0	1	0	0	0	0	0	Bacteria	Lentisphaerae	Lentisphaeria	R76-B128		
2	4	5	4	0	2	1	0	0	0	0	0	Bacteria	Lentisphaerae	Lentisphaeria	Victivallales	Victivallaceae	Victivallis
3	13	3	2	1	1	4	2	0	0	0	0	Bacteria	Lentisphaerae	Lentisphaeria	Victivallales	Victivallaceae	uncultured
0	4	1	0	0	0	0	0	0	0	0	0	Bacteria	Lentisphaerae	Lentisphaeria	WCHB1-41		
0	4	8	7	0	3	4	3	0	0	0	0	Bacteria	NPL-UPA2				
0	1	1	3	0	2	0	1	0	0	0	0	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	47209	
39	18	38	107	0	8	31	6	0	0	0	0	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	Nitrospira
3	1	8	3	0	2	1	2	0	0	0	2	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	uncultured
0	11	1	2	0	0	0	1	0	0	0	0	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	OPB95	
0	1	0	0	1	0	1	0	0	0	0	0	Bacteria	Planctomycetes	O28H05-P-BN-P5			
0	1	3	9	0	2	11	2	0	0	0	0	Bacteria	Planctomycetes	BD7-11			
1	2	1	9	0	6	1	0	0	0	0	0	Bacteria	Planctomycetes	MBMPE71			
10	21	12	20	2	12	18	8	0	0	0	0	Bacteria	Planctomycetes	OM190			
2	2	5	7	5	3	2	3	0	0	0	0	Bacteria	Planctomycetes	Phycisphaerae	CCM11a		

TOP R1	TOP R2	TOP R3	TOP R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Planctomycetes	Phycisphaerae	KCLunmb-38-53		
1	1	3	3	7	0	0	0	0	0	0	0	Bacteria	Planctomycetes	Phycisphaerae	MSB-3A7 sediment group		
0	1	0	1	0	0	0	0	0	0	0	0	Bacteria	Planctomycetes	Phycisphaerae	MSBL9		
0	0	1	0	6	0	0	0	0	0	0	0	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaeraceae	CL500-3
2	0	3	3	1	2	2	1	0	0	0	0	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaeraceae	I-8
0	0	3	1	0	0	0	0	0	0	0	0	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaeraceae	JL-ETNP-F27
4	3	1	9	0	13	3	0	0	0	0	0	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaeraceae	Phycisphaera
29	15	13	35	2	29	25	4	0	0	0	2	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaeraceae	SM1A02
0	0	0	0	1	1	0	0	0	0	0	2	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaeraceae	Urania-1B-19 marine sediment group
0	1	0	1	8	0	0	0	0	0	0	0	Bacteria	Planctomycetes	Phycisphaerae	Pla1 lineage		
1	5	3	11	1	0	0	0	0	0	0	0	Bacteria	Planctomycetes	Phycisphaerae	S-70		
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Planctomycetes	Phycisphaerae	SHA-43		
0	0	0	0	0	0	1	0	0	0	0	0	Bacteria	Planctomycetes	Phycisphaerae	WD2101 soil group		
1	1	2	1	1	0	0	0	0	0	0	0	Bacteria	Planctomycetes	Phycisphaerae	mle1-8		
2	2	1	5	0	2	3	1	0	0	0	0	Bacteria	Planctomycetes	Pla4 lineage			
0	0	2	0	1	0	0	0	0	0	0	0	Bacteria	Planctomycetes	Planctomycetacia	Brocadiales	Brocadaceae	Candidatus Kuenenia
1	1	3	8	0	0	0	0	0	0	0	0	Bacteria	Planctomycetes	Planctomycetacia	Brocadiales	Brocadaceae	Candidatus Scalindua
0	1	0	0	5	1	0	0	0	0	0	0	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Blastopirellula
1	1	1	1	16	1	0	0	0	0	0	0	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Gemmata
2	4	7	6	0	2	1	1	0	0	0	0	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Pir4 lineage
2	0	2	2	0	3	0	1	0	0	0	0	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Pirellula
5	7	6	17	1	9	8	11	0	0	0	0	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Planctomyces
1	2	2	0	0	1	2	0	0	0	0	0	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Rhodopirellula
2	2	3	3	0	2	2	0	0	0	0	0	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	uncultured
0	0	0	1	0	2	0	1	0	0	0	0	Bacteria	Planctomycetes	SGST604			
1	2	1	1	1	1	0	0	0	0	0	0	Bacteria	Planctomycetes	vadinHA49			
0	2	0	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	AEGEAN-245			
0	1	0	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	ARKDMS-49			
0	0	0	1	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	ARKICE-90			
0	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	4-Org1-14		
0	0	0	0	2	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Amorphus
30	2	3	2	0	1	2	2	0	1	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Brevundimonas
3	6	2	1	2	1	1	2	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Caulobacter
1	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Phenylobacterium
4	0	2	2	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	uncultured
0	2	1	5	0	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	Hirschia
11	24	2	2	0	3	1	2	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	Hyphomonas
8	1	3	1	0	1	1	2	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	Maricaulis
0	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	Oceanicaulis
0	2	2	1	0	0	3	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	Woodsholea
1	1	2	0	0	2	0	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	uncultured
3	8	9	22	1	7	3	2	0	1	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	DB1-14		
0	1	2	1	2	2	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Kordiimonadales	Kordiimonadaceae	Kordiimonas

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
1	0	1	1	1	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	MNG3		
0	2	10	8	0	1	2	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	OCS116 clade		
9	7	10	26	0	5	11	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Parvularculales	Parvularculaceae	Parvularcula
0	0	0	0	0	0	2	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	A0839	
0	0	0	0	3	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bartonellaceae	Bartonella
1	0	0	0	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Chelatococcus
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methyloferula
2	0	2	1	1	0	0	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	uncultured
0	0	0	0	0	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	
0	1	1	0	5	0	0	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Afipia
0	1	0	0	1	2	0	3	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Bosea
1	1	0	2	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Bradyrhizobium
0	1	0	2	2	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	uncultured
1	0	0	0	5	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	
1	1	1	0	0	0	0	0	1	0	0	1	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	Ochrobactrum
1	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	Pseudochrobactrum
1	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	uncultured
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Candidatus Liberibacter	
0	0	0	0	0	1	1	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	DUNssu044	
1	3	2	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	DUNssu371	
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	F0723	
2	3	2	2	1	2	2	2	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Family Incertae Sedis	Bauldia
0	1	2	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Family Incertae Sedis	Rhizomicrobium
25	63	5	4	0	1	1	2	0	0	0	1	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Devosia
0	0	0	0	1	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Dichotomicrobium
62	2	4	1	2	2	1	3	17	6	43	2	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Filomicrobium
2	6	4	8	2	1	1	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Hyphomicrobium
0	1	2	5	0	2	1	2	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Pedomicrobium
2	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Rhodomicrobium
8	4	6	4	0	2	2	3	1	0	1	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	uncultured
2	1	2	2	1	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	JG34-KF-361	
0	0	1	2	1	0	0	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	KF-JG30-B3	
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	MNG7	
1	0	0	1	0	0	2	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylobacteriaceae	Methylobacterium
0	1	1	1	3	0	2	3	1	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylocystaceae	Methylocystis
0	1	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylocystaceae	Methylosinus
0	0	0	1	4	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylocystaceae	uncultured
6	1	0	0	1	1	2	2	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	P-102	
0	0	0	0	1	0	0	0	0	0	1	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Aquamicrobium
6	6	7	3	1	1	2	2	7	10	4	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Hoeflea
2	1	3	1	1	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Mesorhizobium
1	2	2	0	1	2	3	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Nitratireductor
4	3	5	2	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Phyllobacterium

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
2	0	1	0	0	0	0	0	2	1	1	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Pseudaminobacter
1	0	0	1	0	2	2	1	0	0	0	1	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	uncultured
12	2	10	6	2	6	2	1	2	3	0	1	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Rhizobium
1	3	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Shinella
1	1	1	2	0	1	0	0	0	0	1	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhodobiaceae	Afifella
0	1	0	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhodobiaceae	Anderseniella
3	3	6	3	1	1	2	3	0	0	2	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhodobiaceae	Parvibaculum
2	3	6	7	0	1	2	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhodobiaceae	Rhodobium
1	0	1	0	3	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhodobiaceae	Tepidamorphus
3	2	7	7	0	2	3	4	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Pseudolabrys
3	12	0	0	1	11	0	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Pseudoxanthobacter
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Xanthobacter
4	0	4	3	0	0	1	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	uncultured
1	2	3	4	0	1	2	3	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	uncultured	
0	1	7	5	3	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	
0	1	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Catellibacterium
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Dinoroseobacter
2	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Donghicola
2	1	2	0	1	1	1	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Jannaschia
0	0	1	3	2	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Loktanela
0	0	2	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Marinosulfonomonas
0	0	0	0	2	1	1	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Maritimibacter
0	0	1	0	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Marivita
1	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Nesiotobacter
2	8	0	1	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Pannonibacter
27	8	23	17	2	3	4	5	0	0	0	1	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Paracoccus
0	0	1	0	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Phaeobacter
2	3	4	8	0	1	0	2	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Pseudorhodobacter
7	11	21	15	0	4	5	4	1	0	1	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacter
2	2	4	2	0	1	1	2	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodovulum
0	0	1	0	1	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Roseibacterium
0	10	1	0	3	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Roseicyclus
0	0	0	1	0	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Roseobacter
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Roseobacter clade DC5-80-3 lineage
1	0	1	0	1	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Roseobacter clade NAC11-7 lineage
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Roseobacter clade OCT lineage
119	9	15	11	0	1	1	1	56	28	84	2	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Roseovarius
0	0	0	0	2	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rubellimicrobium
0	0	0	1	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rubrimonas
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Ruegeria
1	0	1	1	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Salinihabitans
0	1	0	0	3	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Seohaecicola
0	0	0	0	0	1	2	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Shimia

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
3	8	1	0	0	0	0	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Stappia
0	1	1	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Sulfitobacter
1	0	1	0	0	0	2	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Tateyamaria
1	3	4	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Thalassobius
2	4	25	7	0	1	0	0	0	0	1	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Thioclava
0	0	0	0	0	0	0	0	0	0	0	3	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Tropicimonas
0	3	2	0	3	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Wenxinia
0	0	0	0	0	0	0	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Yangia
17	13	35	14	1	8	2	5	8	1	0	4	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	uncultured
0	0	0	0	0	3	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Acidiphilium
0	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Craurococcus
1	3	0	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Roseomonas
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	uncultured
0	1	0	1	1	0	0	0	0	0	0	2	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Candidatus Alysiosphaera	
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	DA111	
3	0	2	3	1	4	6	5	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Family Incertae Sedis	Oleomonas
0	0	0	1	0	2	1	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	I-10	
0	0	0	1	1	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	JG37-AG-20	
10	0	6	22	0	1	1	1	2	0	6	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	KCM-B-15	
0	0	0	0	0	4	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	
0	0	3	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	AEGEAN-169 marine group
1	0	0	0	5	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Azospirillum
5	3	4	10	0	7	3	3	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Defluviococcus
0	3	0	2	0	2	1	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Dongia
0	0	1	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Nisaea
0	0	1	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	OM75 clade
0	6	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Rhodovibrio
2	3	2	3	0	4	1	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Thalassobaculum
3	6	0	1	3	2	1	2	1	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Thalassospira
1	0	0	0	1	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Tistrella
19	13	41	52	0	27	25	12	0	0	0	1	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	uncultured
0	1	0	1	2	2	0	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	wr0007	
0	0	0	0	0	0	0	0	0	0	0	3	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Anaplasmataceae	Wolbachia
1	4	1	1	2	1	5	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Candidatus Captivus	
1	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Candidatus Odysseella	
0	1	1	0	3	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	EF100-94H03	
0	0	3	1	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Family Incertae Sedis	Caedibacter
0	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Ho(lab)	
1	0	0	3	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Holosporaceae	Holospora
0	1	0	3	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	LWSR-14	
0	1	0	0	0	0	0	1	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	RB446	
0	1	1	2	4	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Rickettsiaceae	Rickettsia
0	1	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Rickettsiaceae	uncultured

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
0	0	0	0	0	0	0	0	1	1	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	SAR116 clade	
1	1	5	3	24	1	5	2	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	SM2D12	
17	1	1	2	0	1	6	0	3	0	18	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	TK34	
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	mitochondria	
0	0	0	2	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	uncultured	
0	1	0	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	S26-47		
1	0	1	3	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11 clade		
0	0	1	1	0	0	0	0	0	1	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11 clade	LD12 freshwater group	
1	1	3	0	0	0	0	0	0	0	1	2	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11 clade	Surface 1	
0	0	0	1	0	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11 clade	Surface 1	Candidatus Pelagibacter
0	0	0	0	1	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11 clade	Surface 2	
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11 clade	Surface 3	
14	2	11	18	0	2	1	3	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	SB1-18		
0	0	0	0	1	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Sneathiellales	Sneathiellaceae	Sneathiella
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales		
0	0	0	0	2	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Altererythrobacter
1	0	1	1	2	0	0	0	6	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Erythrobacter
4	3	1	1	0	0	1	1	7	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Porphyrobacter
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	uncultured
14	12	0	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Blastomonas
2	2	3	1	1	1	0	0	0	1	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Novosphingobium
0	0	1	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingobium
4	5	5	4	1	2	0	1	1	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas
3	4	0	0	1	0	0	2	11	0	4	0	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingopyxis
0	3	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingosinicella
7	3	4	2	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Zymomonas
0	0	0	0	2	0	0	0	1	0	0	0	Bacteria	Proteobacteria	Alphaproteobacteria	iodide-oxidizers		
31	71	27	8	0	10	5	8	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	070125-BRIC7-5		
1	1	0	1	0	0	0	0	0	1	0	1	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Achromobacter
0	0	0	0	0	0	0	0	0	0	0	2	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Bordetella
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Derxia
0	0	0	1	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	GKS98 freshwater group
4	1	1	0	0	2	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	MWH-UniP1 aquatic group
0	0	0	0	1	0	0	0	0	0	0	2	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Pigmentiphaga
0	0	1	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Sutterella
0	2	1	0	0	2	1	2	0	0	0	2	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	uncultured
1	1	0	0	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiaceae	Burkholderia
0	1	8	2	2	0	0	1	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiaceae	Limnobacter
0	1	3	1	0	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiaceae	Polynucleobacter
0	0	1	0	0	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiaceae	Ralstonia
0	2	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	
5	4	4	5	9	7	0	1	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Acidovorax
1	1	1	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Albidiferax

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Aquabacterium
0	1	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Caenimonas
0	0	2	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Chlorochromatium
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Comamonas
1	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Delftia
1	15	0	0	0	0	0	8	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Hydrogenophaga
2	0	0	0	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Ideonella
6	3	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Leptothrix
0	1	3	0	1	0	0	0	0	0	1	1	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Limnohabitans
1	2	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Malikia
1	0	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Piscinibacter
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Rhizobacter
0	1	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Simplicispira
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Sphaerotilus
0	13	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Tepidicella
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Tepidimonas
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Variovorax
0	3	4	7	1	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	uncultured
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Oxalobacteraceae	Herbaspirillum
1	2	5	1	3	2	2	3	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Oxalobacteraceae	Massilia
7	6	8	2	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Oxalobacteraceae	Undibacterium
3	4	7	4	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Hot Creek 32		
0	1	3	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Hydrogenophilales	Hydrogenophilaceae	Ferritrophicum
1	2	7	2	0	5	6	1	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Hydrogenophilales	Hydrogenophilaceae	Thiobacillus
28	36	61	12	0	7	9	3	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Hydrogenophilales	Hydrogenophilaceae	uncultured
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	LD28 freshwater group
18	10	16	14	0	1	7	6	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	Methylotenera
1	1	2	9	0	0	2	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	OM43 clade
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	PRD01a011B
0	3	2	1	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	uncultured
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Neisseriales	Neisseriaceae	Conchiformibius
0	0	0	0	1	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Betaproteobacteria	Neisseriales	Neisseriaceae	Neisseria
1	1	2	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Neisseriales	Neisseriaceae	uncultured
8	16	24	12	5	1	3	2	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Gallionellaceae	Candidatus Nitrotoga
6	15	8	7	0	1	4	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Gallionellaceae	Gallionella
10	22	14	10	0	1	0	2	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Gallionellaceae	Sideroxydans
38	47	48	20	1	0	0	1	0	0	0	3	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Gallionellaceae	uncultured
10	11	20	58	3	3	6	2	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas
17	13	29	36	5	3	4	9	0	0	0	2	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Nitrosomonadaceae	uncultured
2	1	0	2	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	
0	2	2	1	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Azoarcus
0	0	0	1	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Azospira
1	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Dechloromonas

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
0	1	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Georgfuchsia
1	2	1	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Methyloversatilis
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Propionivibrio
24	40	23	18	0	6	4	8	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Sulfuritalea
1	2	0	0	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Thauera
12	26	17	21	2	1	2	7	0	0	0	2	Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	uncultured
3	1	5	14	3	1	1	1	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	TRA3-20		
0	1	0	0	4	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	UCT N117		
1	0	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Betaproteobacteria	oca12		
0	0	0	1	5	0	0	0	0	0	0	0	Bacteria	Proteobacteria	CF2			
3	3	8	2	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Candidatus Thiobios			
48	41	31	25	0	4	21	5	0	0	0	0	Bacteria	Proteobacteria	Class Incertae Sedis	Order Incertae Sedis	Family Incertae Sedis	Mariprofundus
0	1	2	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	43F-1404R		
0	1	1	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Apal-E12		
2	5	8	8	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoraceae	Bacteriovorax
1	10	1	1	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoraceae	Deferrisoma
2	4	2	1	0	1	0	1	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoraceae	Peredibacter
2	6	2	3	5	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoraceae	uncultured
0	5	3	1	0	1	3	1	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio
12	11	12	11	2	1	8	2	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	OM27 clade
15	19	21	29	1	1	1	5	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	DTB120		
0	5	0	0	2	3	0	1	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfarculales	Desulfarculaceae	Desulfarculus
1	10	2	1	0	2	0	2	0	0	0	1	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfarculales	Desulfarculaceae	uncultured
0	2	0	0	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	
0	1	0	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfatibacillum
0	1	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfatiferula
2	7	4	1	7	2	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfatirhabdium
0	2	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfobacter
0	23	2	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfobacterium
7	33	3	1	1	4	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfobacula
0	5	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfobotulus
0	0	1	0	0	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfococcus
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfofrigus
4	11	2	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfosalsimonas
0	1	0	1	2	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfosarcina
0	9	1	0	3	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	SEEP-SRB1
1	1	0	0	6	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Sva0081 sediment group
4	9	5	4	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	uncultured
32	22	34	15	1	5	4	1	0	0	1	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	Desulfobulbus
5	9	8	5	1	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	Desulfocapsa
2	0	1	1	0	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	Desulfurivibrio
0	2	0	0	6	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	MSBL7
2	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	SEEP-SRB4

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
3	20	6	4	1	9	1	2	0	0	0	2	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	uncultured
19	3	25	30	29	2	4	2	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Nitrospinaceae	Nitrospina
2	1	3	5	0	1	1	1	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Nitrospinaceae	uncultured
0	10	0	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfomicrobiaceae	Desulfomicrobium
0	8	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfovibrionaceae	Desulfocurvus
0	17	0	1	1	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfovibrionaceae	Desulfovibrio
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfurellales	Desulfurellaceae	uncultured
1	0	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales		
2	34	2	2	0	2	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Desulfuromonadaceae	Desulfuromonas
8	26	5	4	3	6	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Desulfuromonadaceae	Desulfuromusa
0	0	1	0	11	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Desulfuromonadaceae	Malonomas
2	0	0	0	5	3	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Desulfuromonadaceae	Pelobacter
11	19	7	10	1	3	3	1	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	GR-WP33-58	
0	1	0	0	6	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Geobacteraceae	Geobacter
35	124	7	9	0	42	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Geobacteraceae	Geopsychrobacter
2	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Geobacteraceae	Geothermobacter
9	17	3	5	67	14	3	4	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Sva1033	
0	3	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	FW113		
6	4	4	5	5	3	3	1	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	GR-WP33-30		
2	33	6	4	1	5	6	1	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	0319-6G20	
4	7	3	5	2	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Cystobacterineae	uncultured
0	3	1	1	3	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	MSB-4B10	
0	2	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Nannocystineae	Haliangiaceae
0	4	1	2	0	3	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Nannocystineae	Nannocystaceae
3	5	9	3	2	0	0	2	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Nannocystineae	uncultured
1	5	4	2	2	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Sorangiineae	Phaselicytidaceae
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Sorangiineae	Polyangiaceae
2	2	3	4	1	2	3	1	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Sorangiineae	Sandaracinaceae
6	3	7	3	0	2	1	1	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Sorangiineae	uncultured
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	VHS-B3-70	
0	2	0	0	9	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	mle1-27	
3	3	7	3	0	2	0	0	0	0	0	3	Bacteria	Proteobacteria	Deltaproteobacteria	SAR324 clade(Marine group B)		
5	3	1	5	4	2	2	0	2	1	3	0	Bacteria	Proteobacteria	Deltaproteobacteria	Sh765B-TzT-29		
3	11	4	1	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Sva0485		
0	1	0	0	3	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophaceae	Smithella
3	2	5	2	1	0	0	1	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophaceae	Syntrophus
0	2	0	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophaceae	uncultured
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Elev-16S-509			
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Epsilonproteobacteria			
2	2	1	0	2	0	1	2	0	0	0	0	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Campylobacteraceae	Arcobacter
0	0	0	0	3	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Helicobacteraceae	Helicobacter
1	0	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Helicobacteraceae	Sulfuricurvum
54	63	53	21	0	4	5	1	0	0	0	0	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Helicobacteraceae	Sulfurimonas

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
73	46	27	19	0	1	0	0	0	0	0	1	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Helicobacteraceae	Sulfurovum
0	1	2	0	1	0	0	0	0	0	1	0	Bacteria	Proteobacteria	Epsilonproteobacteria	Nautiliales	Nautiliaceae	Nitratifractor
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria			
1	0	0	2	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	1013-28-CG33		
0	0	0	1	7	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Gammaproteobacteria	Acidithiobacillales	KCM-B-112	
3	5	0	0	1	1	0	1	1	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Aeromonadaceae	Aeromonas
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Succinivibrionaceae	uncultured
3	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alishewanella
0	0	0	0	4	1	0	0	1	0	0	1	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonas
2	1	0	2	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	BD1-7 clade
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Congregibacter
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Dasania
0	3	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Glaciecola
0	1	0	2	2	0	0	0	0	0	0	2	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Haliea
0	0	0	0	0	0	0	0	22	1	0	1	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Marinimicrobium
0	0	1	1	4	1	0	0	0	0	0	2	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Marinobacter
0	0	0	0	16	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Melitea
0	0	0	0	3	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Microbulbifer
3	3	2	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	OM60(NOR5) clade
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Porticoccus
0	0	0	0	1	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	SAR92 clade
0	3	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Simidiua
0	0	0	2	0	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Colwelliaceae	Colwellia
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Idiomarinaceae	Pseudidiomarina
0	1	1	0	0	0	0	0	0	0	0	3	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas
0	0	0	2	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	uncultured
0	0	2	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Psychromonadaceae	Psychromonas
0	4	0	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae	Shewanella
4	20	12	9	0	10	2	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	BD7-8 marine group		
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	CK-1C2-67		
2	11	27	2	3	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	CK-1C4-49		
0	0	0	1	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	CS-B046		
0	1	0	0	3	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Chromatiaceae	Halochromatium
4	3	7	5	0	2	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Chromatiaceae	Nitrosococcus
32	10	1	1	0	3	1	1	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Chromatiaceae	Rheinheimera
0	0	0	0	0	0	0	1	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Chromatiaceae	Thiohalocapsa
15	20	4	8	0	1	1	1	2	0	0	1	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae	Acidiferrobacter
1	36	10	3	0	2	1	3	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae	Thioalkalispira
2	2	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae	Thioalkalivibrio
2	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae	Thiorhodospira
2	1	1	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Granulosicoccaceae	Granulosicoccus
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	
0	0	1	1	1	2	1	0	0	0	0	2	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Enterobacter

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
0	1	0	0	0	0	2	4	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Escherichia-Shigella
0	0	1	0	0	0	0	1	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Klebsiella
0	0	0	0	2	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Pantoea
0	0	0	0	0	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Proteus
1	1	2	2	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	KI89A clade		
0	0	1	1	0	2	3	1	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	Aquicella
1	5	3	8	0	1	2	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	Coxiella
0	0	0	0	1	1	1	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	uncultured
7	5	7	14	2	3	9	6	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	Legionella
0	0	2	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	uncultured
1	0	0	0	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales		
0	3	2	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	CABC2E06	
5	25	4	11	0	0	2	1	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Crenotrichaceae	Crenothrix
5	2	2	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	ET-SHO	
0	0	1	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Hyd24-01	
9	13	6	6	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter
1	0	1	1	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylaldum
0	1	1	1	0	0	3	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylomicrobium
42	70	39	38	1	11	28	8	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylomonas
2	3	0	0	2	4	15	1	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylsoma
3	1	0	1	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	pltb-vmat-59	
5	2	3	3	0	1	0	1	0	0	0	1	Bacteria	Proteobacteria	Gammaproteobacteria	NKB5		
0	1	0	2	0	0	0	0	1	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Alcanivoracaceae	Alcanivorax
2	6	8	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Alcanivoracaceae	Kangiella
0	0	0	0	0	0	0	1	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	B78-89	
0	0	0	1	1	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	CrystalBog021C3	
0	0	0	0	5	0	0	0	0	0	1	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Chromohalobacter
1	2	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Halomonas
0	0	0	1	8	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	MBAE14	
1	1	2	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	OM182 clade	
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Balneatrix
0	0	0	0	0	0	0	0	0	0	0	1	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Marinobacterium
0	1	0	0	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Nitrincola
8	5	7	5	0	5	5	5	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Pseudospirillum
5	5	4	4	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oleiphilaceae	Oleiphilus
0	0	2	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	SAR86 clade	
0	0	1	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	SS1-B-06-26	
8	3	2	3	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	SUP05 cluster	
0	0	1	0	7	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	ZD0405	
1	1	0	0	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Order Incertae Sedis	Family Incertae Sedis	Arenicella
10	6	3	3	0	0	0	0	22	2	12	0	Bacteria	Proteobacteria	Gammaproteobacteria	Order Incertae Sedis	Family Incertae Sedis	Marinicella
22	5	17	8	1	2	0	8	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Order Incertae Sedis	Family Incertae Sedis	Sedimenticola
0	0	1	2	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Order Incertae Sedis	Family Incertae Sedis	Thiohalomonas

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
1	0	2	0	0	2	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Order Incertae Sedis	Family Incertae Sedis	Thiohalophilus
0	2	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	PYR10d3		
0	0	1	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Haemophilus
2	1	1	0	0	2	1	1	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter
0	0	1	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Enhydrobacter
0	0	0	0	0	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Perlucidibaca
0	2	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	uncultured
10	12	15	9	0	5	2	7	0	0	0	2	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas
25	2	1	2	0	1	0	0	7	1	3	1	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	uncultured
0	0	0	0	0	0	1	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Sva0071		
0	1	1	0	5	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	TDNP-Wbc97-24-4-116		
0	1	0	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	EV818SWSAP88	
0	0	0	0	1	1	0	1	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Family Incertae Sedis	Caedibacter
1	1	3	3	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	H2-104-2	
1	1	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	Cycloclasticus
0	1	0	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	Piscirickettsia
0	0	0	2	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	endosymbionts
1	0	0	0	4	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	uncultured
0	1	0	0	3	1	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Thiotrichaceae	Beggiatoa
3	2	3	2	0	3	0	3	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Thiotrichaceae	Thiothrix
3	5	14	9	0	0	2	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Thiotrichaceae	uncultured
0	0	0	1	0	1	0	0	0	0	0	1	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio
2	1	0	0	2	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	WN-HWB-116		
3	6	2	3	2	2	1	0	0	0	0	4	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Sinobacteraceae	JTB255 marine benthic group
8	5	9	10	0	9	6	4	0	0	0	1	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Sinobacteraceae	uncultured
0	0	1	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	
0	3	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Aquimonas
2	11	0	3	6	2	1	0	0	0	0	4	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Arenimonas
0	0	1	0	1	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Dokdonella
0	0	0	0	0	0	0	0	0	0	1	0	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Luteimonas
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Lysobacter
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Pseudofulvimonas
0	0	1	1	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Rhodanobacter
22	3	14	20	1	2	3	3	6	0	24	0	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Silanimonas
1	1	2	2	0	4	2	1	0	0	0	2	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Stenotrophomonas
0	1	3	0	0	3	1	1	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Thermomonas
0	1	0	1	0	2	0	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Xanthomonas
19	8	2	9	0	6	1	0	0	0	0	0	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	uncultured
3	2	4	7	0	2	0	0	0	0	0	0	Bacteria	Proteobacteria	JTB23			
5	1	6	0	0	0	0	0	0	0	0	0	Bacteria	Proteobacteria	SC3-20			
0	4	4	3	1	1	3	2	0	0	0	0	Bacteria	Proteobacteria	SPOTSOCT00m83			
2	3	0	1	1	1	2	2	0	0	0	0	Bacteria	Proteobacteria	TA18			
0	6	0	0	1	0	0	0	0	0	0	0	Bacteria	RF3				

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																	
1	0	0	0	0	0	0	0	0	0	0	0	Bacteria	SM2F11				
0	0	0	0	0	0	0	1	0	0	0	0	Bacteria	Spirochaetes	Spirochaetes	Kazan-3B-09		
0	4	0	0	1	1	0	1	0	0	0	0	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Leptospiraceae	Leptospira
1	5	1	0	3	0	0	0	0	0	0	0	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Leptospiraceae	uncultured
0	1	2	1	0	1	0	0	0	0	0	0	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	PL-11B10	
1	40	10	7	1	2	0	0	0	0	0	1	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Spirochaetaceae	Spirochaeta
0	0	0	0	1	1	0	0	0	0	0	0	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Spirochaetaceae	Treponema
1	50	3	1	0	1	0	0	0	0	0	0	Bacteria	Spirochaetes	Spirochaetes	Spirochaetales	Spirochaetaceae	uncultured
6	16	8	9	2	11	2	3	0	0	0	0	Bacteria	TA06				
2	12	7	11	0	9	18	6	0	0	0	0	Bacteria	TM6				
0	2	0	0	0	1	0	0	0	0	0	0	Bacteria	Tenericutes	Mollicutes			
0	11	0	0	2	1	0	0	0	0	0	0	Bacteria	Tenericutes	Mollicutes	Acholeplasmatales	Acholeplasmataceae	Acholeplasma
0	0	0	0	0	0	0	1	0	0	0	0	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma
1	2	2	2	3	3	0	0	0	0	0	0	Bacteria	Verrucomicrobia	OPB35 soil group			
0	1	0	0	5	0	0	0	0	0	0	0	Bacteria	Verrucomicrobia	Opitutae	Opitiales	Opitutaceae	Alterococcus
51	12	7	9	0	14	6	3	0	0	0	1	Bacteria	Verrucomicrobia	Opitutae	Opitiales	Opitutaceae	Opitutus
0	1	0	1	6	0	0	0	0	0	0	0	Bacteria	Verrucomicrobia	Opitutae	Puniceococcales	Puniceococcaceae	
0	0	1	0	3	0	0	0	0	0	0	0	Bacteria	Verrucomicrobia	Opitutae	Puniceococcales	Puniceococcaceae	Cerasicoccus
0	0	0	1	0	0	0	0	0	0	0	0	Bacteria	Verrucomicrobia	Opitutae	Puniceococcales	Puniceococcaceae	Pelagicoccus
0	5	1	1	1	15	0	0	0	0	0	0	Bacteria	Verrucomicrobia	Opitutae	Puniceococcales	Puniceococcaceae	uncultured
4	1	4	10	0	7	4	0	0	0	0	0	Bacteria	Verrucomicrobia	Opitutae	vadinHA64		
0	0	1	0	1	0	0	0	0	0	0	0	Bacteria	Verrucomicrobia	Spartobacteria	Chthoniobacterales	FukuN18 freshwater group	
1	0	1	1	1	0	0	0	0	0	0	0	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	DEV007	
0	0	0	0	0	0	0	1	0	0	0	0	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Akkermansia
0	1	0	0	0	0	0	0	0	0	0	0	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Luteolibacter
0	0	1	0	0	1	2	1	0	0	0	0	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Prostheco bacter
0	3	0	1	0	0	0	0	0	0	0	0	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	uncultured
346	421	265	305	0	123	84	31	13	13	4	7	No Relative					

1
11
0
7
10
15
0
2
0
0
0
8
0
0
0

TOP R1	TOP R2	TOP R3	Top R4	Middle R1	Middle R2	Middle R3	Middle R4	Bottom R1	Bottom R2	Bottom R3	Bottom R4	Domain	Phylum	Class	Order	Family	Genus	
The values represent the maximal number of Operational Taxonomic Units observed in multiple subsamples																		

6
2
0
0
0
0
1
0
64