

Supplementary Table S1. Class comparison of phylum Proteobacteria before and after air surging.
The data are prevalence rates (%) in terms of the number of OTUs.

Proteobacteria	Before	After
Alphaproteobacteria	5.1	6.2
Betaproteobacteria	38.7	30.3
Deltaproteobacteria	0.4	7.8
Gammaproteobacteria	39.4	1.8
Other Proteobacteria	< 0.1	0.5
Total % of Proteobacteria	83.6	46.6

Supplementary Table S2. Comparison of major bacterial communities before and after air surging.
The data are prevalence rate (%) in terms of number of OTUs.

OTUs number	Phylum	Class	Order	Family	Genus	Air surging work (%) Befor e	Air surging work (%) Afte r
a-OTU01	Acidobacteriia	Acidobacter 11-24	uncultured_Acidobacteria_bacterium	-	-	0.0	0.1
a-OTU03	Acidobacteriia	Acidobacter 32-21	uncultured_bacterium	-	-	0.0	0.2
a-OTU06	Acidobacteriia	Acidobacteriales	Acidobacteriaceae	uncultured	uncultured_bacterium	0.0	0.2
a-OTU13	Acidobacteriia	Acidobacter DA023	uncultured_bacterium	-	-	0.1	2.0
a-OTU14	Acidobacteriia	Acidobacter DA052	uncultured_bacterium	-	-	0.0	0.5
a-OTU19	Acidobacteriia	Acidobacter Holophagae	Holophagales	Holophagaceae	Geothrix	0.1	0.5
a-OTU20	Acidobacteriia	Acidobacter Holophagae	Holophagales	Holophagaceae	uncultured	0.2	0.3
a-OTU21	Acidobacteriia	Acidobacter Holophagae	SJA-36	uncultured_bacterium	-	0.0	0.1
a-OTU31	Acidobacteriia	Acidobacter SJA-149	-	-	-	0.0	0.1
ia-OTU02	Actinobacteria	Actinobacteria Acidimicrobia Acidimicrobiales	-	Acidimicrobiaceae	CL500-29_marine_group	0.0	1.8

Phylum							
Actinobacter ia-OTU09	Actinobacte ria	Corynebacteria les	Nocardiaceae	Rhodococcus	-	0.5	0.1
Phylum							
Actinobacter ia-OTU16	Actinobacte ria	Frankiales	Sporichthyaceae	Candidatus_Plankto phila	-	2.4	11.2
Phylum							
Actinobacter ia-OTU25	Actinobacte ria	Micrococcales	Microbacteriaceae	-	-	0.0	0.1
Phylum							
Actinobacter ia-OTU27	Actinobacte ria	Micrococcales	Micrococcaceae	Arthrobacter	-	0.1	0.1
Phylum							
Actinobacter ia-OTU28	Actinobacte ria	Micrococcales	Micrococcaceae	Arthrobacter	uncultured_bacteri um	0.0	0.2
Phylum							
Actinobacter ia-OTU29	Actinobacte ria	Micrococcales	Micrococcaceae	Kocuria	-	0.2	0.0
Phylum							
Actinobacter ia-OTU31	Actinobacte ria	OPB41	uncultured_bacterium	-	-	0.0	0.1
Phylum							
Actinobacter ia-OTU32	Actinobacte ria	PeM15	uncultured_bacterium	-	-	0.0	0.1
Phylum							
Actinobacter ia-OTU42	Actinobacte ria	Thermoleophil ia	Gaiellales	Gaiellaceae	Gaiella	0.0	0.1
Phylum							
Bacteroidete s-OTU04	Bacteroidete s	Cytophagia	Cytophagales	Cytophagaceae	Arcicella	0.6	0.1
Phylum							
Bacteroidete s-OTU07	Bacteroidete s	Cytophagia	Cytophagales	Cytophagaceae	Flexibacter	0.1	0.4
Phylum							
Bacteroidete s-OTU08	Bacteroidete s	Cytophagia	Cytophagales	Cytophagaceae	Hymenobacter	0.3	0.0
Phylum							
Bacteroidete s-OTU17	Bacteroidete s	Flavobacteria	Flavobacteriales	Flavobacteriaceae	Flavobacterium	2.2	0.4
Phylum							
Bacteroidete s-OTU18	Bacteroidete s	Sphingobacteri ia	Sphingobacteriales	Chitinophagaceae	-	0.0	1.0
Phylum							
Bacteroidete s-OTU22	Bacteroidete s	Sphingobacteri ia	Sphingobacteriales	Chitinophagaceae	Hydrotalea	0.4	0.0
Phylum							
Bacteroidete s-OTU23	Bacteroidete s	Sphingobacteri ia	Sphingobacteriales	Chitinophagaceae	Lacibacter	0.0	0.1
Phylum							
Bacteroidete s-OTU24	Bacteroidete s	Sphingobacteri ia	Sphingobacteriales	Chitinophagaceae	Sediminibacterium	2.0	1.5
Phylum							
Bacteroidete s-OTU26	Bacteroidete s	Sphingobacteri ia	Sphingobacteriales	Chitinophagaceae	uncultured	0.0	0.1
Phylum							
Bacteroidete s-OTU29	Bacteroidete s	Sphingobacteri ia	Sphingobacteriales	KD3-93	uncultured_bacteri um	0.0	0.1

Phylum								
Bacteroidete	Bacteroidete	Sphingobacteri	Sphingobacteriales	NS11-	uncultured_bacteri	0.7	2.4	
s-OTU31	s	ia		12_marine_group	um			
Phylum								
Bacteroidete	Bacteroidete	Sphingobacteri	Sphingobacteriales	PHOS-HE51	uncultured_bacteri	0.0	0.2	
s-OTU32	s	ia			um			
Phylum								
Bacteroidete	Bacteroidete	Sphingobacteri	Sphingobacteriales		Sphingobacteriaceae	Mucilaginibacter	0.1	0.0
s-OTU35	s	ia						
Phylum					Sphingobacteriaceae	Sphingobacterium	0.0	0.1
Bacteroidete	Bacteroidete	Sphingobacteri	Sphingobacteriales					
s-OTU39	s	ia						
Phylum								
Bacteroidete	Bacteroidete	Sphingobacteri	Sphingobacteriales	env.OPS_17	-		0.0	0.1
s-OTU41	s	ia						
Phylum								
Bacteroidete	Bacteroidete	WCHB1-32	uncultured_bacterium		-	-	0.0	5.9
s-OTU44	s							
Phylum								
Chlorobi-	Chlorobi	Chlorobia	Chlorbiales	OPB56	uncultured_bacteri	0.0	0.2	
OTU01					um			
Phylum								
Chlorobi-	Chlorobi	Ignavibacteria	Ignavibacteriales	BSV26	uncultured_bacteri	0.0	0.1	
OTU02					um			
Phylum								
Chlorobi-	Chlorobi	Ignavibacteria	Ignavibacteriales	SR-FBR-L83	uncultured_bacteri	0.0	0.6	
OTU03					um			
Phylum								
Chloroflexi-	Chloroflexi	KD4-96	uncultured_bacterium		-	-	0.0	2.2
OTU09								
Phylum								
Chloroflexi-	Chloroflexi	P2-11E	uncultured_bacterium		-	-	0.0	0.2
OTU12								
Phylum								
Chloroflexi-	Chloroflexi	S085	uncultured_bacterium		-	-	0.0	0.1
OTU13								

Supplementary Table S2. Continued

OTUs number	Phylum	Class	Order	Family	Genus	Air
						surgin
						g
						work
						(%)
						Bef Af
						ore ter
Phylum						
Chloroflexi-	Chloroflexi	SAR202_cla	uncultured_bacterium	-	-	0.0 0.1
OTU14	de					
Phylum						
Chloroflexi-	Chloroflexi	TK10	-	-	-	0.0 0.2
OTU15						

Phylum	Cyanobacteria	MLE1-12	uncultured_bacterium	-	-	0.8	2.4	
ia-OTU04	ia							
Phylum	Cyanobacteria	SHA-109	uncultured_bacterium	-	-	0.0	0.1	
ia-OTU05	ia							
Phylum	Elusimicrobia	Lineage_IV	uncultured_Termite_group_1_bacterium	-	-	0.0	0.1	
a-OTU04	ia							
Phylum	Elusimicrobia	Lineage_IV	uncultured_bacterium	-	-	0.3	1.5	
a-OTU05	ia							
Phylum	Firmicutes	Bacilli	Bacillales	Bacillaceae	Anoxybacillus	0.0	0.1	
OTU01								
Phylum	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Staphylococcus	0.1	0.0	
OTU06								
Phylum	Firmicutes	Clostridia	Clostridiales	Family_XIII_Incertae_Sedis	uncultured	0.0	0.3	
OTU10								
Phylum	Firmicutes	Clostridia	Clostridiales	Gracilibacteraceae	Lutispora	0.0	0.4	
OTU11								
Phylum	Firmicutes	Clostridia	Clostridiales	Gracilibacteraceae	uncultured	0.0	0.1	
OTU12								
Phylum	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Desulfosporosinus	0.0	0.9	
OTU14								
Phylum	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Incertae_Sedis	0.0	0.1	
OTU15								
Phylum	Gemmatio	Gemmatio	Gemmatio	Gemmimonadaceae	uncultured	-	0.0	0.1
na-OTU03	nadetes	onadetes	nadales					
Phylum	Gemmatio	Gemmatio	Gemmatio	Gemmimonadaceae	uncultured	uncultured_bacterium	0.2	1.5
na-OTU05	na-OTU05	na-OTU05	na-OTU05					
Phylum	Nitrospirae	Nitrospirae	Nitrospira	Nitrospirales	-	-	0.0	0.6
OTU01								
Phylum	Nitrospirae	Nitrospirae	Nitrospira	Nitrospirales	0319-6A21	uncultured_bacterium	0.0	0.4
OTU03								
Phylum	Nitrospirae	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	Nitrospira	0.2	0.7
OTU06								
Phylum	Planctomyces	OM190	uncultured_bacterium	-	-	0.0	0.1	
tes-OTU04	tes-OTU04							

Phylum	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaeraceae	SM1A02	0.0	0.2
Phylum	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Planctomyces	0.0	0.1
Phylum	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	uncultured	0.0	0.1
Phylum	Planctomycetes	vadinHA49	uncultured_bacterium	-	-	0.0	0.1
Class							
Alphaproteobacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Brevundimonas	0.1	0.1
OTU03							
Class							
Alphaproteobacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Caulobacter	0.7	0.2
OTU04							
Class							
Alphaproteobacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hypomonadaceae	Woodsholea	0.0	0.1
OTU07							
Class							
Alphaproteobacteria	Proteobacteria	Alphaproteobacteria	DB1-14	-	-	0.0	0.4
OTU08							
Class							
Alphaproteobacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	A0839	uncultured_bacterium	0.0	0.1
OTU12							
Class							
Alphaproteobacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Bradyrhizobium	0.0	0.1
OTU14							
Class							
Alphaproteobacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylobacteriaceae	Methylobacterium	0.1	0.1
OTU23							
Class							
Alphaproteobacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodovulum	1.5	0.2
OTU33							
Class							
Alphaproteobacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	KCM-B-60	uncultured_Aacetobacteraceae_bacterium	0.0	0.1
OTU47							
Class							
Alphaproteobacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	KCM-B-60	uncultured_Rhodospirillales_bacterium	0.0	0.1
OTU48							

Class							
Alphaproteobacteria-OTU51	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Magnetospirillum	0.0	0.2
Class							
Alphaproteobacteria-OTU53	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	uncultured	0.0	0.1
Class							
Alphaproteobacteria-OTU54	Proteobacteria	Alphaproteobacteria	Rhodospirillales	wr0007	-	0.1	0.1
Class							
Alphaproteobacteria-OTU55	Proteobacteria	Alphaproteobacteria	Rhodospirillales	wr0007	uncultured_alpha_proteobacterium	0.0	0.1
Class							
Alphaproteobacteria-OTU67	Proteobacteria	Alphaproteobacteria	Rickettsiales	Rickettsiaceae	uncultured	0.0	0.5
Class							
Alphaproteobacteria-OTU73	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Novosphingobium	1.7	3.2
Class							
Alphaproteobacteria-OTU74	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingobium	0.1	0.1
Class							
Alphaproteobacteria-OTU75	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas	0.3	0.2

Supplementary Table S2. Continued

OTUs number	Phylum	Class	Order	Family	Genus	Air surging work (%)	
						Befo	Aft
Class							
Alphaproteobacteria-OTU76	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingopyxis	0.3	0.0
Class							
Betaproteobacteria-OTU01	Proteobacteria	Betaproteobacteria	-	-	-	0.1	0.3
Class							
Betaproteobacteria-OTU02	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Achromobacter	0.2	0.0

Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Burkholderiales	Burkholderiaceae	Cupriavidus	0.2	0.0	
ia-OTU04								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Burkholderiales	Comamonadacea e	-	3.9	6.4	
ia-OTU05								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Burkholderiales	Comamonadacea e	Aquabacterium	0.1	0.1	
ia-OTU06								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Burkholderiales	Comamonadacea e	Comamonas	0.2	0.0	
ia-OTU07								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Burkholderiales	Comamonadacea e	Paucibacter	0.5	0.0	
ia-OTU09								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Burkholderiales	Comamonadacea e	Polaromonas	0.4	0.1	
ia-OTU11								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Burkholderiales	Comamonadacea e	Variovorax	0.3	0.0	
ia-OTU14								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Burkholderiales	Comamonadacea e	uncultured	0.3	0.2	
ia-OTU15								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Burkholderiales	Oxalobacteraceae	-	0.4	0.3	
ia-OTU16								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Burkholderiales	Oxalobacteraceae	Massilia	0.2	0.0	
ia-OTU18								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Burkholderiales	Oxalobacteraceae	Paucimonas	0.0	0.1	
ia-OTU19								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Burkholderiales	Oxalobacteraceae	Undibacterium	0.3	0.3	
ia-OTU20								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Hydrogenophilac les	Hydrogenophilac eae	Sulfuricella	0.4	0.6	
ia-OTU22								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Nitrosomonadal es	Gallionellaceae	-	10.2	5.2	
ia-OTU25								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Nitrosomonadal es	Gallionellaceae	Candidatus_Nitroto ga	0.1	0.5	
ia-OTU26								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Nitrosomonadal es	Gallionellaceae	Gallionella	17.4	1.7	
ia-OTU27								
Class								
Betaproteobacter	Proteobact eria	Betaproteobact eria	Nitrosomonadal es	Gallionellaceae	Sideroxydans	0.2	1.0	
ia-OTU28								

Class								
Betaproteobacter ia-OTU29	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Gallionellaceae	uncultured		2.1	3.9
Class								
Betaproteobacter ia-OTU30	Proteobacteria	Betaproteobacteria	Nitrosomonadales	-			0.0	0.4
Class								
Betaproteobacter ia-OTU32	Proteobacteria	Betaproteobacteria	Nitrosomonadales	Nitrosomonadaceae	uncultured		0.0	0.8
Class								
Betaproteobacter ia-OTU33	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	-		0.5	3.4
Class								
Betaproteobacter ia-OTU34	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Azospira		0.1	0.0
Class								
Betaproteobacter ia-OTU35	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Dechloromonas		0.3	1.3
Class								
Betaproteobacter ia-OTU38	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Propionivibrio		0.0	0.2
Class								
Betaproteobacter ia-OTU39	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Sterolibacterium		0.0	0.1
Class								
Betaproteobacter ia-OTU40	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Sulfuritalea		0.1	2.4
Class								
Betaproteobacter ia-OTU41	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Zoogloea		0.1	0.1
Class								
Betaproteobacter ia-OTU42	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	uncultured		0.0	0.8
Class								
Deltaproteobacter ia-OTU08	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfovibrionaceae	Desulfovibrio		0.0	0.3
Class								
Deltaproteobacter ia-OTU10	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	-	-		0.0	0.6
Class								
Deltaproteobacter ia-OTU11	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	BVA18	uncultured_Geobacter_sp.		0.0	1.9
Class								
Deltaproteobacter ia-OTU12	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	BVA59	uncultured_bacterium		0.0	0.5
Class								
Deltaproteobacter ia-OTU13	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Desulfuromonadaceae	-		0.0	0.1
Class								
Deltaproteobacter ia-OTU14	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Desulfuromonadaceae	Pelobacter		0.0	0.2

Class								
Deltaproteobacteria-OTU15	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Geobacteraceae	Geobacter		0.1	3.5
Deltaproteobacteria-OTU17	Proteobacteria	Deltaproteobacteria	GR-WP33-30	uncultured_bacterium	-		0.0	0.2
Deltaproteobacteria-OTU20	Proteobacteria	Deltaproteobacteria	Myxococcales	0319-6G20	uncultured_bacterium		0.1	0.1
Deltaproteobacteria-OTU23	Proteobacteria	Deltaproteobacteria	Myxococcales	Cystobacterineae	uncultured		0.0	0.1

Supplementary Table S2. Continued

OTUs number	Phylum	Class	Order	Family	Genus	Air surging work (%)	
						Bef	Aft
Class							
Gammaproteobacteria-OTU05	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae	Acidiferrobacter	0.0	0.2
Class							
Gammaproteobacteria-OTU06	Proteobacteria	Gammaproteobacteria	Enterobacteales	Enterobacteriaceae	Enterobacter	2.6	0.0
Class							
Gammaproteobacteria-OTU07	Proteobacteria	Gammaproteobacteria	Enterobacteales	Enterobacteriaceae	Escherichia-Shigella	0.1	0.0
Class							
Gammaproteobacteria-OTU08	Proteobacteria	Gammaproteobacteria	Enterobacteales	Enterobacteriaceae	Hafnia-Obesumbacterium	0.9	0.0
Class							
Gammaproteobacteria-OTU09	Proteobacteria	Gammaproteobacteria	Enterobacteales	Enterobacteriaceae	Serratia	0.1	0.0
Class							
Gammaproteobacteria-OTU14	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	Legionella	0.4	0.6
Class							
Gammaproteobacteria-OTU18	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Pseudospirillum	0.0	0.2
Class							
Gammaproteobacteria-OTU19	Proteobacteria	Gammaproteobacteria	PYR10d3	uncultured_sulfur-oxidizing_symbiont -bacterium	-	0.0	0.1

Class						
Gammaproteobacteria-OTU22	Proteobacteria	Gammaproteobacteriales	Pseudomonadales	Moraxellaceae	Acinetobacter	15.80.2
Class						
Gammaproteobacteria-OTU23	Proteobacteria	Gammaproteobacteriales	Pseudomonadales	Moraxellaceae	Alkanindiges	0.5 0.0
Class						
Gammaproteobacteria-OTU24	Proteobacteria	Gammaproteobacteriales	Pseudomonadales	Moraxellaceae	Enhydrobacter	0.2 0.0
Class						
Gammaproteobacteria-OTU27	Proteobacteria	Gammaproteobacteriales	Pseudomonadales	Pseudomonadaceae	Pseudomonas	11.70.0
Class						
Gammaproteobacteria-OTU30	Proteobacteria	Gammaproteobacteriales	Xanthomonadales	Sinobacteraceae	Hydrocarboniphaga	1.1 0.0
Class						
Gammaproteobacteria-OTU34	Proteobacteria	Gammaproteobacteriales	Xanthomonadales	Sinobacteraceae	uncultured	0.0 0.3
Class						
Gammaproteobacteria-OTU38	Proteobacteria	Gammaproteobacteriales	Xanthomonadales	Xanthomonadaceae	Stenotrophomonas	5.7 0.0
Phylum						
Proteobacteria-Proteobacteria-OTU03	SPOTS OCT00m83	uncultured_bacterium	-	-	-	0.0 0.4
Phylum						
Proteobacteria-Proteobacteria-OTU04	TA18	-	-	-	-	0.0 0.1
Phylum						
Verrucomicrobia-Verrucomicrobia-ia-OTU01	Candidatus_Verrucomicrobium	Methylophilum	uncultured_bacterium	-	-	0.0 0.1
Phylum						
Verrucomicrobia-Verrucomicrobia-OPB35_soil_group-ia-OTU04	OPB35_soil_group	uncultured_bacterium	-	-	-	2.1 0.8
Phylum						
Verrucomicrobia-Verrucomicrobia-Opitutae-ia-OTU05	Opitutae	Opitutales	Opitutaceae	Opitutus	0.1	1.8
Phylum						
Verrucomicrobia-Verrucomicrobia-Verrucomicrobiae-ia-OTU06	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Prosthecobacter	0.1	0.0
Unknown	-	-	-	-	-	1.5 3.6
Unassigned	BHI80-139	uncultured_bacterium	-	-	-	0.0 0.1
Unassigned	Candidate_division_OD1	-	-	-	-	0.0 0.1
Unassigned	Candidate_division_OD1	uncultured_bacterium	-	-	-	0.3 1.3

Ungrouped	Candidate_divis uncultured_bacteriu ion_OP3	m	-	-	-	0.0	0.1
Ungrouped	Candidate_divis uncultured_bacteriu ion_WS3	m	-	-	-	0.0	0.2
Ungrouped	SM2F11	uncultured_bacteriu m	-	-	-	0.1	0.1
Ungrouped	TA06	uncultured_bacteriu m	-	-	-	0.0	0.5
Ungrouped	TM6	uncultured_bacteriu m	-	-	-	0.1	0.2