

APPLIED MICROBIOLOGY AND BIOTECHNOLOGY

Soil acidification amendments change the rhizosphere bacterial community of tobacco in a bacterial wilt affected field

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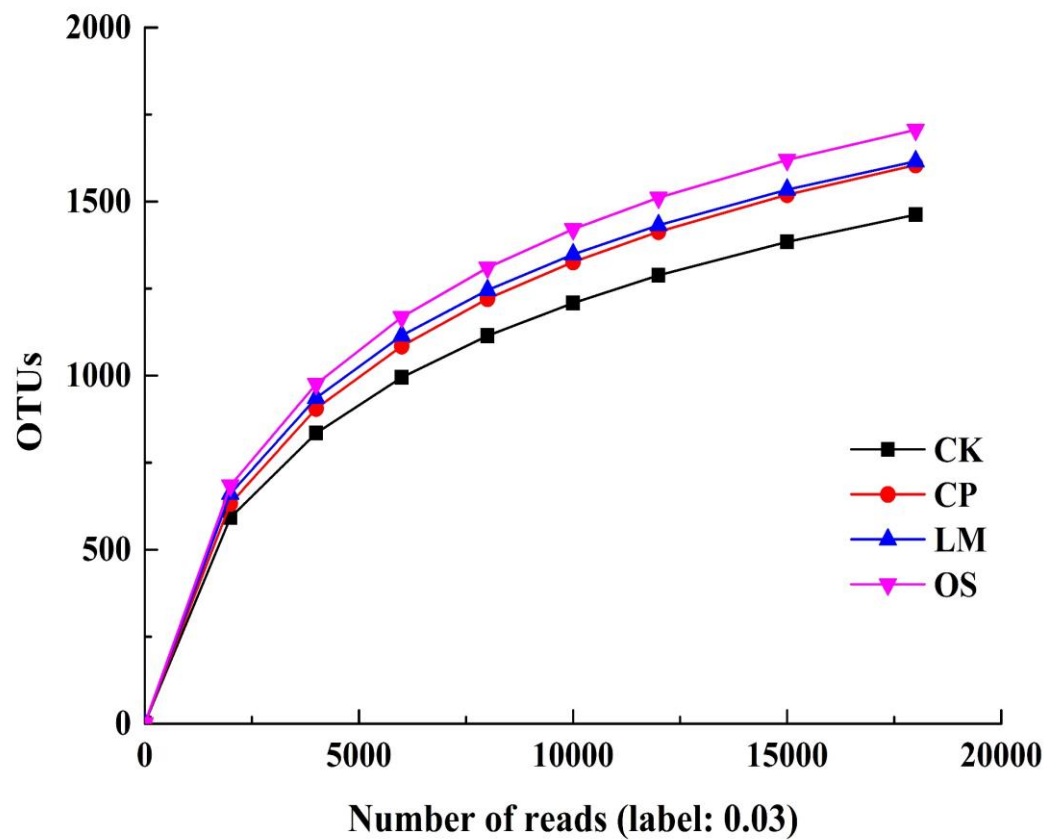


Fig S1 Rarefaction curves of 16S rRNA genes of 97% similarity from rhizosphere soils amended with biochar (CP), lime (LM), oyster shell powder (OS) and soils with no amendment (CK)

Table S1. The screen out genera between the treatment (biochar, lime and oyster shell powder) and control groups

Taxonomy	Mean	Group	LDA	P value
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae, Pseudoduganella</i>	5.29	CP	5.02	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae, Streptosporangium</i>	3.58			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Streptococcaceae</i>	6.06			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Archangiaceae</i>	4.44			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Brucellaceae, Ochrobactrum</i>	4.85			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, YNPFFP1</i>	5.55			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae</i>	6.65	CP	6.29	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Erythrobacteraceae, Altererythrobacter</i>	5.64			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Hahellaceae, Hahella</i>	3.82			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Peptostreptococcaceae, Paeniclostridium</i>	5.43			-
<i>Bacteria, Actinobacteria, Actinobacteria, Kineosporiales</i>	5.69	CK	5.18	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales</i>	7.32			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Lacibacter</i>	4.94	CP	4.71	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiaceae</i>	5.14			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Dokdonella</i>	5.67			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Zymomonas</i>	0.00			-
<i>Bacteria, Chlorobi, Chlorobia, Chlorobiales, OPB56</i>	5.77			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Phyllobacteriaceae</i>	6.57			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Nubsella</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Kutzneria</i>	4.55			-
<i>Bacteria, Elusimicrobia, Elusimicrobia, Lineage_IIC</i>	0.00			-
<i>Bacteria, Elusimicrobia, Elusimicrobia, Lineage_IIB</i>	4.73			-
<i>Bacteria, Elusimicrobia, Elusimicrobia, Lineage_IIA</i>	3.88			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Rhodoplanes</i>	5.89			-
<i>Bacteria, Bacteroidetes</i>	4.88			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Nocardiaceae, Rhodococcus</i>	5.47			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Longimicrobiales</i>	5.07			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae, Pseudolabrys</i>	6.55			-
<i>Bacteria, Verrucomicrobia, OPB35_soil_group, Pedosphaera</i>	4.41			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Moraxellaceae</i>	4.88	CP	4.62	0.04
<i>Bacteria, Acidobacteria, Acidobacteria, Subgroup_10, ABS_19</i>	5.71	CP	5.22	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae</i>	6.41			-

<i>Bacteria, Ignavibacteriae, Ignavibacteria, Ignavibacteriales</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales</i>	6.64	CP	6.14	0.05
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bdellovibrionaceae, OM27_clade</i>	4.16			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Dyadobacter</i>	4.98	CP	4.72	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Sphingopyxis</i>	5.83			-
<i>Bacteria, Deinococcus_Thermus, Deinococci</i>	5.43			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Legionellaceae</i>	5.00			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Thiotrichales, EV818SWSAP88</i>	3.93			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Sphingobacterium</i>	5.42			-
<i>Bacteria, Verrucomicrobia, Opitutae</i>	5.85			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales</i>	5.84			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, Ktedonobacteraceae</i>	5.21			-
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales, Porphyromonadaceae, Petrimonas</i>	5.09			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Carnobacteriaceae</i>	4.44			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales</i>	5.46	CP	5.07	0.05
<i>Bacteria, Candidatus_Berkelbacteria</i>	4.26			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Dinghuibacter</i>	3.97			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis</i>	6.82			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Moraxellaceae, Acinetobacter</i>	4.79			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, P3OB_42</i>	5.37			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, MNG7</i>	4.61			-
<i>Bacteria, Actinobacteria, Actinobacteria, Gaiellales, Gaiellaceae</i>	6.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae</i>	6.74			-
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales, Catenulisporaceae, Catenulispora</i>	5.45			-
<i>Bacteria, Firmicutes, Erysipelotrichia</i>	5.32			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales</i>	5.76			-
<i>Bacteria, Verrucomicrobia, OPB35_soil_group</i>	6.18			-
<i>Bacteria, Planctomycetes, Phycisphaerae</i>	6.11			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Family_XII_o__Bacillales, Exiguobacterium</i>	4.76			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae</i>	6.19	CK	5.55	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Arenibacter</i>	4.53	CP	4.59	0.04
<i>Bacteria, Armatimonadetes, Chthonomonadetes, Chthonomonadales, Chthonomonadaceae</i>	4.28			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Aquincola</i>	5.37			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales</i>	6.34			-

<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Bogoriellaceae</i>	4.39			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae</i>	6.06			-
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales, Catenulisporaceae</i>	5.45			-
<i>Bacteria, Verrucomicrobia, Spartobacteria</i>	6.39	CK	5.66	0.05
<i>Bacteria, Chlorobi, Chlorobia</i>	5.77			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Thiotrichales</i>	3.93			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales</i>	3.93			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Nevskiaceae, Alkanibacter</i>	6.21			-
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales, Deinococcaceae, Deinococcus</i>	3.93			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Sandaracinaceae</i>	4.70			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Segetibacter</i>	4.46			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Gaiellales</i>	6.78			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Cellvibrionaceae, Cellvibrio</i>	5.03			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Muricauda</i>	0.00			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales</i>	6.83			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, AKYH767</i>	4.77			-

<i>Bacteria, Acidobacteria, Acidobacteria</i>	7.00			-
<i>Bacteria, Firmicutes, Erysipelotrichia, Erysipelotrichales, Erysipelotrichaceae, Turicibacter</i>	5.32			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Porticoccaceae</i>	4.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Rickettsiaceae, Candidatus_Trichorickettsia</i>	0.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales, Rhodobacteraceae, Rubellimicrobium</i>	4.60	CP	4.54	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis, Rhizomicrobium</i>	6.78			-
<i>Bacteria, Deinococcus_Thermus</i>	5.43			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylobacteriaceae, Methylobacterium</i>	4.44			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Devosia</i>	6.59			-
<i>Bacteria, Firmicutes, Erysipelotrichia, Erysipelotrichales, Erysipelotrichaceae</i>	5.32			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales, Rhodobacteraceae, Paracoccus</i>	5.01	CP	4.55	0.05
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, Thermosporotrichaceae, Thermosporothrix</i>	4.72			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadales_Incertae_Sedis, Steroidobacter</i>	5.87	CP	5.43	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Mitochondria</i>	4.20			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Sphingomonas</i>	7.41			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptomycetales, Streptomyetaceae, Streptomyces</i>	6.12			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Pseudomonadaceae</i>	6.22	CP	5.85	0.05

<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, 1959_1</i>	4.72			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Tepidisphaerales</i>	6.10			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Alphaproteobacteria_Incertae_Sedis, Micavibrio</i>	4.92	CP	4.73	0.04
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Panacagrimonas</i>	4.85	CP	4.58	0.05
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, mle1_27</i>	3.93			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Geodermatophilaceae</i>	5.65			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, AKIW659</i>	4.51	CK	4.79	0.04
<i>Bacteria, Chloroflexi, Thermomicrobia, Sphaerobacterales</i>	5.86	CK	5.21	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Lysobacter</i>	6.30	CP	5.80	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Neisseriales, Neisseriaceae</i>	4.25			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Methylococcales</i>	3.58			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Erythrobacteraceae</i>	6.11			-
<i>Bacteria, Peregrinibacteria, Candidatus_Peribacteria</i>	3.97			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Luteimonas</i>	6.06			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhodobiaceae, Parvibaculum</i>	5.71			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Demequinaceae, Lysinimicrobium</i>	3.97			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Crenotalea</i>	6.43			-

<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Arenimonas</i>	6.02			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Clostridiaceae_1</i>	4.54			-
<i>Bacteria, Chloroflexi, P2_11E</i>	4.67			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Phycisphaerales</i>	4.93			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Bacillaceae, Oceanobacillus</i>	4.64			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Mucilaginibacter</i>	6.33			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Confluentibacter</i>	5.05			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Cryomorphaceae, Fluviicola</i>	5.77	CP	5.45	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Delftia</i>	3.68			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Streptococcaceae, Streptococcus</i>	4.66	CK	4.57	0.05
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales</i>	5.05			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Luteibacter</i>	5.36	CP	5.01	0.05
<i>Bacteria, WS6</i>	0.00			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Pusillimonas</i>	5.29			-
<i>Bacteria, Actinobacteria, Actinobacteria, Kineosporiales, Kineosporiaceae, Angustibacter</i>	5.69	CK	5.14	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, NS9_marine_group</i>	5.11	CP	4.82	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Streptomycetales</i>	6.59			-

<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Arachidicoccus</i>	7.08			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Vitellibacter</i>	4.28			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Pandoraea</i>	5.17			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Aquabacterium</i>	4.18			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Variovorax</i>	4.61			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, Chthoniobacteraceae</i>	5.08			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Bacillaceae, Bacillus</i>	6.13			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Rhodocyclales, Rhodocyclaceae, Uliginosibacterium</i>	0.00			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae</i>	7.10			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, G12_WMSP1</i>	5.21			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Hyphomonadaceae, Hirschia</i>	5.04			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Sporocytophaga</i>	5.23			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales</i>	6.24	CP	5.84	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae</i>	6.02	CK	5.58	0.05
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales, Planctomycetaceae, Planctomyces</i>	4.23			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, DA111</i>	6.49			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Saccharothrix</i>	0.00			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae</i>	6.24			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Galbibacter</i>	3.68			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadales_Incertae_Sedis, Acidibacter</i>	6.33			-
<i>Bacteria, Chloroflexi, Anaerolineae, Anaerolineales, Anaerolineaceae, Anaerolinea</i>	4.34			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae, Micromonospora</i>	5.79			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Rickettsiaceae</i>	0.00			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Christensenellaceae</i>	3.58			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, AKYH478</i>	4.27			-
<i>Bacteria, Acidobacteria, Acidobacteria, Vicinamibacter</i>	4.46			-
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales, Actinospicaceae, Actinospica</i>	5.62			-
<i>Bacteria, Ignavibacteriae, Ignavibacteria, Ignavibacteriales, BSV26</i>	4.98			-
<i>Bacteria, Elusimicrobia, Elusimicrobia</i>	5.46	CK	5.07	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae</i>	5.80			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales, Enterobacteriaceae, Serratia_fonticola_RB_25_group</i>	0.00			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Ohtaekwangia</i>	5.26	CP	4.93	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Oceanospirillaceae, Pseudohongiella</i>	5.36			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales</i>	6.15			-

<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1, Edaphobacter</i>	5.70	CK	5.17	0.05
<i>Bacteria, Acidobacteria, Acidobacteria, Holophagales, Holophagaceae</i>	6.21	CP	5.84	0.05
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Bacillaceae</i>	6.14			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Sporichthyaceae</i>	5.00	CP	4.47	0.05
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Planococcaceae</i>	5.83			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Planococcaceae, Solibacillus</i>	5.31			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae, Rhodovastum</i>	5.90			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Hydrogenophilales, Hydrogenophilaceae, Thiobacillus</i>	4.86			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Sporolactobacillaceae, Tuberibacillus</i>	5.69	CK	5.36	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Intrasporangiaceae, Terrabacter</i>	5.60	CP	4.96	0.05
<i>Bacteria, Chloroflexi, Elev_1554</i>	3.88			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Halomonadaceae</i>	4.77			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Micrococcaceae</i>	6.30			-
<i>Bacteria, Chloroflexi, Thermomicrobia</i>	6.31	CK	5.53	0.05
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfurellales</i>	6.06			-
<i>Bacteria, Spirochaetae, Spirochaetes</i>	4.84			-
<i>Bacteria, Chloroflexi, Thermomicrobia, AKYG1722</i>	5.36			-

<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Flavitalea</i>	5.37			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Frankiaceae, Jatrophihabitans</i>	6.17			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Moraxellaceae, Psychrobacter</i>	4.18			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales, Planctomycetaceae, Singulisphaera</i>	5.65			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Thermoactinomycetaceae, Shimazuella</i>	3.88			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae, Lysinimonas</i>	6.20			-
<i>Bacteria, Firmicutes, Bacilli, C178B</i>	6.18	CK	5.82	0.05
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Peptostreptococcaceae</i>	5.30			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Cupriavidus</i>	4.91			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Dyella</i>	6.92			-
<i>Bacteria, Verrucomicrobia</i>	6.63			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Gsoil_1167</i>	4.50			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Burkholderia_Paraburkholderia</i>	6.62			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, Candidatus_Solibacter</i>	6.40			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Phaselicystidaceae</i>	4.16			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Nakamurellaceae</i>	5.65	CP	5.14	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales</i>	5.85			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillales_Incertae_Sedis</i>	6.26			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Lachnospiraceae, Lachnospiraceae_NK3A20_group</i>	4.23			-
<i>Bacteria, Planctomycetes, OM190</i>	3.68			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, TRA3_20</i>	5.92			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Pelomonas</i>	4.89			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales, Planctomycetaceae, Isosphaera</i>	5.10			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Bogoriellaceae, Georgenia</i>	4.39			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, env_OPS_17</i>	5.74	CP	5.39	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Coxiellaceae</i>	5.84			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Gelidibacter</i>	5.25			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Stenotrophomonas</i>	5.63			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Verticia</i>	4.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Beijerinckiaceae, Methylovirgula</i>	5.53			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales</i>	6.29			-
<i>Bacteria, Chloroflexi, Chloroflexia, Chloroflexales, Roseiflexaceae, Roseiflexus</i>	5.97	CP	5.60	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiaceae</i>	6.02			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Roseiarcaceae, Roseiarcus</i>	5.91			-

<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales</i>	5.12			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae, Paenibacillus</i>	6.41			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Eel_36e1D6</i>	3.97			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Bradyrhizobiaceae</i>	5.40			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, Tellurimicrobium</i>	4.58			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Patulibacteraceae, Patulibacter</i>	4.64			-
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardioideaceae, Aeromicrobium</i>	5.68	CP	5.21	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Nitrosomonadales</i>	6.83			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylobacteriaceae</i>	4.99			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Cytophaga</i>	5.20			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Sporichthyaceae, Sporichthya</i>	4.67			-
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales, Leptospiraceae</i>	4.46			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Terrimonas</i>	5.83			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Brucellaceae</i>	4.85			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bradymonadales</i>	4.20			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Brocadiales</i>	4.12			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_</i>	6.83			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, alphaI_cluster</i>	4.82			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bacteriovoracaceae, Peredibacter</i>	5.10	CP	4.68	0.05
<i>Bacteria, Armatimonadetes, Fimbriimonadia, Fimbriimonadales</i>	5.35			-
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1, Acidobacterium</i>	6.25			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, Bryobacter</i>	6.63			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Nocardiaceae, Nocardia</i>	5.02			-
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales, Spirochaetaceae</i>	4.69			-
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales, Parachlamydiaceae, Neochlamydia</i>	4.25			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Alicyclobacillaceae, Tumebacillus</i>	5.37			-
<i>Bacteria, Parcubacteria, Candidatus_Nomurabacteria</i>	3.68			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae</i>	5.33			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Chitinophaga</i>	5.87			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, KF_JG30_B3</i>	5.40			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Methylophilales</i>	5.75			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales</i>	5.83			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylobacteriaceae, Meganema</i>	4.57			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales, Rhodobacteraceae</i>	3.82			-

<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Adhaeribacter</i>	3.97			-
<i>Bacteria, Armatimonadetes, Chthonomonadetes</i>	4.28			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Nocardiaceae, Smaragdicoccus</i>	4.53	CP	4.58	0.04
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Beijerinckiaceae</i>	5.59			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria</i>	5.32			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillaceae</i>	6.14			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Hyphomicrobium</i>	5.85			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Aeromonadales, Aeromonadaceae, Aeromonas</i>	4.62	CP	4.58	0.04
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Family_XIII, Mogibacterium</i>	0.00			-
<i>Bacteria, Proteobacteria, ARKICE_90</i>	4.49	CP	4.96	0.04
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Hyphomonadaceae, Woodsholea</i>	5.01			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae, Caulobacter</i>	5.11			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Tahibacter</i>	4.69	CP	4.72	0.05
<i>Bacteria, Chloroflexi, Ktedonobacteria, B12_WMSP1</i>	5.60			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Methylophilales, Methylophilaceae</i>	5.35			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bacteriovoracaceae</i>	0.00			-
<i>Bacteria, Proteobacteria, Betaproteobacteria</i>	4.76			-

<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales</i>	6.17			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae</i>	6.06			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae, Labrys</i>	4.48			-
<i>Bacteria, TM6__Dependentiae_</i>	5.13			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Limnobacter</i>	5.18			-
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales, Deinococcaceae</i>	3.93			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Leadbetterella</i>	0.00			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Oligoflexales, 0319_6G20</i>	5.85			-
<i>Bacteria, Parcubacteria, Candidatus_Azambacteria</i>	3.97			-
<i>Bacteria, Latescibacteria</i>	5.76	CP	5.28	0.05
<i>Bacteria, Armatimonadetes</i>	4.21			-
<i>Bacteria, Firmicutes</i>	7.32			-
<i>Bacteria, Ignavibacteriae</i>	4.98			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Chryseobacterium</i>	5.57			-
<i>Bacteria, GAL15</i>	5.90			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Tepidisphaerales, Tepidisphaeraceae</i>	6.10			-
<i>Bacteria, Chloroflexi, S085</i>	5.48	CP	5.10	0.05

<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, Stenotrophobacter</i>	4.35			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Filimonas</i>	5.28			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Phycisphaerales, Phycisphaeraceae, SM1A02</i>	4.55			-
<i>Bacteria, Chloroflexi, Thermomicrobia, Sphaerobacterales, Sphaerobacteraceae, Nitrolancea</i>	5.86	CK	5.21	0.05
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Lachnospiraceae</i>	4.23			-
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales, Porphyromonadaceae, Parabacteroides</i>	0.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae, Pseudoxanthobacter</i>	4.25			-
<i>Bacteria, Firmicutes, Limnochordia</i>	4.70	CK	4.62	0.04
<i>Bacteria, Fibrobacteres, Fibrobacteria, Fibrobacterales</i>	4.93			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, SM2D12</i>	5.47			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Neisseriales, Neisseriaceae, Vitreoscilla</i>	0.00			-
<i>Bacteria, Firmicutes, Clostridia, Halanaerobiales</i>	6.62			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Haliangiaceae</i>	6.08			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Longimicrobiales, Longimicrobiaceae</i>	5.07			-
<i>Bacteria, Chlamydiae</i>	5.05			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Micrococcaceae, Arthrobacter</i>	5.96	CP	5.47	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Frankiaceae</i>	6.17			-

<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Coxiellaceae, Coxiella</i>	4.50	CK	4.69	0.04
<i>Bacteria, Firmicutes, Erysipelotrichia, Erysipelotrichales</i>	5.32			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Phyllobacteriaceae, Mesorhizobium</i>	6.48			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Polyangiaceae</i>	4.16			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylocystaceae</i>	4.56			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Geodermatophilaceae, Blastococcus</i>	5.74			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Myxococcaceae</i>	4.63	CP	4.42	0.05
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Phaselicystidaceae, Phaselicystis</i>	4.16			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Chryseolinea</i>	5.12			-
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1, Candidatus_Koribacter</i>	5.37			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, MNC12</i>	5.06	CP	4.80	0.04
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Hahellaceae</i>	3.82			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Planococcaceae, Lysinibacillus</i>	5.42			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis, Agaricicola</i>	5.33			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Carnobacteriaceae, Carnobacterium</i>	4.44			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Eoetvoesia</i>	5.27			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae, Nonomuraea</i>	4.75			-

<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Pedobacter</i>	5.93			-
<i>Bacteria, Gemmatimonadetes</i>	7.35			-
<i>Bacteria, Parcubacteria</i>	6.41			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales</i>	6.26			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria</i>	3.97			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Bradyrhizobiaceae, Bradyrhizobium</i>	6.60			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, FFCH11085</i>	4.56			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Acidothermaceae</i>	6.18			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bdellovibrionaceae</i>	5.77			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Moraxellaceae, Perlucidibaca</i>	0.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Beijerinckiaceae, Methylosula</i>	4.69			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Iamiaceae, Iamia</i>	5.28			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, OM1_clade</i>	3.82			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Nitrosomonadales, Nitrosomonadaceae</i>	6.81			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Coxiellaceae, Rickettsiella</i>	4.89			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiaceae, Kaistia</i>	4.95			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales</i>	6.54	CP	6.11	0.05

<i>Bacteria, Chloroflexi, Thermomicrobia, JG30_KF_CM45</i>	6.04			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Parasegetibacter</i>	4.57			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales</i>	6.45			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae</i>	6.43	CP	6.06	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, MND8</i>	4.44			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, NB1_j</i>	4.44			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Paralcaligenes</i>	5.77	CP	5.35	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis, Nordella</i>	5.77	CP	5.37	0.05
<i>Bacteria, FCPU426</i>	4.67			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae, Aneurinibacillus</i>	3.93			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Bradyrhizobiaceae, Bosea</i>	4.77	CP	4.57	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Rhizobacter</i>	4.87			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Cellvibrionaceae, Simiduia</i>	3.97			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Blfdi19</i>	4.72			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales</i>	6.22			-
<i>Bacteria, Armatimonadetes, Chthonomonadetes, Chthonomonadales</i>	4.28			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Methylophilales, Methylophilaceae, Methylostenobacter</i>	5.36			-

<i>Bacteria, Proteobacteria, Deltaproteobacteria, Oligoflexales</i>	5.96			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Rhodocyclales</i>	5.16			-
<i>Bacteria, Fibrobacteres, Fibrobacteria</i>	4.93			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Rhodanobacter</i>	7.84			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Nitrosomonadales, Nitrosomonadaceae, Nitrospira</i>	5.78			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfuromonadales, Geobacteraceae, Geobacter</i>	3.97			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Flavihumibacter</i>	4.69	CP	4.58	0.05
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Thermoactinomycetaceae</i>	3.88			-
<i>Bacteria, Peregrinibacteria</i>	3.97			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria</i>	6.51			-
<i>Bacteria, Actinobacteria, Actinobacteria</i>	5.78			-
<i>Bacteria, Chloroflexi, SBR2076</i>	5.54			-
<i>Bacteria, Parcubacteria, Candidatus_Jorgensenbacteria</i>	4.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillaceae, Dongia</i>	5.66			-
<i>Bacteria, Acidobacteria</i>	7.55			-
<i>Bacteria, Chloroflexi, Chloroflexia, Chloroflexales, FFCH7168</i>	4.57			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiales_Incertae_Sedis</i>	0.00			-

<i>Bacteria, Proteobacteria, Betaproteobacteria, Hydrogenophilales, Hydrogenophilaceae</i>	4.86			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae, Dactylosporangium</i>	5.06			-
<i>Bacteria, Cyanobacteria, Cyanobacteria, SubsectionIII, FamilyI_o__SubsectionIII</i>	5.06	CP	4.76	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Intrasporangiaceae</i>	6.31			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Oceanospirillaceae</i>	5.36			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Aequorivita</i>	4.97			-
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales, cvE6</i>	4.94			-
<i>Bacteria, Firmicutes, Limnochordia, Limnochordales, Limnochordaceae</i>	4.70	CK	4.62	0.04
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Thermomonas</i>	4.99			-
<i>Bacteria, Ignavibacteriae, Ignavibacteria</i>	4.98			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Oligoflexales, Oligoflexaceae</i>	5.30			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, 27F_1492R</i>	4.48			-
<i>Bacteria, Fibrobacteres, Fibrobacteria, Fibrobacterales, Fibrobacteraceae</i>	4.76	CP	4.62	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardioideaceae, Marmoricola</i>	6.36	CP	5.87	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae, Leucobacter</i>	3.58			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, B10_SB3A</i>	5.20			-
<i>Bacteria, Chloroflexi, Caldilineae, Caldilineales, Caldilineaceae</i>	4.52			-

<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Pseudopedobacter</i>	5.37	CP	5.15	0.04
<i>Bacteria, Saccharibacteria, Candidatus_Saccharimonas</i>	4.12			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Amycolatopsis</i>	5.41			-
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1</i>	7.12			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Family_XIII</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales</i>	4.25			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae, Leifsonia</i>	5.74			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae</i>	5.67			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae, Hamadaea</i>	4.82			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, RB41</i>	5.51	CP	5.09	0.05
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales</i>	7.22			-
<i>Bacteria, Nitrospirae, Nitrospira</i>	6.36			-
<i>Bacteria, Armatimonadetes, Chthonomonadetes, Chthonomonadales, Chthonomonadaceae, Chthonomonas</i>	4.28			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae, Humibacter</i>	5.96			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, Paludibaculum</i>	4.94			-
<i>Bacteria, Fibrobacteres</i>	4.93			-
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales, Verrucomicrobiaceae, Verrucomicrobium</i>	0.00			-

<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Frateuria</i>	6.30			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bradymonadales, Bradymonadaceae, Bradymonas</i>	4.20			-
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales, Leptospiraceae, Turneriella</i>	4.46			-
<i>Bacteria, Cyanobacteria</i>	6.07			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Rhodomicrobium</i>	4.63	CP	4.61	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Kineosporiales, Kineosporiaceae</i>	5.69	CK	5.20	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Thiotrichales, Thiotrichaceae, Beggiatoa</i>	0.00			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Moheibacter</i>	4.95			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae</i>	7.43			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Bradyrhizobiaceae, Rhodopseudomonas</i>	5.53			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillaceae, Ferrovibrio</i>	3.93			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales</i>	5.32			-
<i>Bacteria, Bacteroidetes, Flavobacteriia</i>	6.64	CP	6.21	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillaceae, Inquilinus</i>	4.88			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Nitrosomonadales, Nitrosomonadaceae, Nitrosomonas</i>	4.38			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales</i>	6.02			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Alicyclobacillaceae, Alicyclobacillus</i>	4.96			-

<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Flavobacterium</i>	6.07			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, DSSF69</i>	4.69			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales, Enterobacteriaceae</i>	5.46	CP	5.06	0.05
<i>Bacteria, Acidobacteria, Acidobacteria, Holophagales, Holophagaceae, Geothrix</i>	4.53			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Ottowia</i>	5.93	CP	5.56	0.05
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales</i>	5.09			-
<i>Bacteria, Elusimicrobia</i>	5.46	CK	5.02	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, B1_7BS</i>	3.93			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Pedomicrobium</i>	5.04	CP	4.68	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Solirubrobacteraceae</i>	3.93			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales, Enterobacteriaceae, Serratia</i>	3.82			-
<i>Bacteria, Chloroflexi, JG30_KF_CM66</i>	5.76			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae, Sphaerisporangium</i>	4.98			-
<i>Bacteria, BRC1</i>	4.68			-
<i>Bacteria, Planctomycetes</i>	6.46			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae, Acidicaldus</i>	5.02			-
<i>Bacteria, Chloroflexi, Thermomicrobia, Sphaerobacterales, Sphaerobacteraceae</i>	5.86	CK	5.17	0.05

<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Demequinaceae</i>	3.97			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Nakamurellaceae, Nakamurella</i>	5.65	CP	5.12	0.05
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Family_XVII</i>	4.38			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, TM146</i>	5.13	CP	4.75	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, HTA4</i>	4.67			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Roseiarcaceae</i>	5.91			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales</i>	5.87			-
<i>Bacteria, Chloroflexi, KD4_96</i>	6.45			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Enterococcaceae</i>	6.03			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Thermomonosporaceae, Actinomadura</i>	5.57			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales</i>	7.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae, Phenylobacterium</i>	5.89			-
<i>Bacteria, Armatimonadetes, Fimbriimonadia</i>	5.35			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiaceae, Ilumatobacter</i>	4.82			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, HSB_OF53_F07</i>	6.40			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Halomonadaceae, Halomonas</i>	4.77			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, JG37_AG_20</i>	5.77			-

<i>Bacteria, Microgenomates</i>	5.46			-
<i>Bacteria, Proteobacteria, JTB23</i>	4.35			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Haliangiaceae, Haliangium</i>	6.08			-
<i>Bacteria, Parcubacteria, Candidatus_Magasanikbacteria</i>	5.09			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, Chthoniobacteraceae, Chthoniobacter</i>	5.08			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptomycetales, Streptomyetaceae</i>	6.41			-
<i>Bacteria, Firmicutes, Bacilli</i>	3.58			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Solimonadaceae, Solimonas</i>	5.57	CP	5.27	0.04
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfuromonadales</i>	3.97			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Candidimonas</i>	6.47			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Cellvibrionaceae</i>	5.07			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Taibaiella</i>	6.80			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Dermacoccaceae, Flexivirga</i>	5.87			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Cellulomonadaceae, Actinotalea</i>	4.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiaceae, Rhizobium</i>	5.98	CP	5.48	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales</i>	5.79			-
<i>Bacteria, Chloroflexi, Chloroflexia</i>	5.99	CP	5.61	0.05

<i>Bacteria, Cyanobacteria, Cyanobacteria, SubsectionIII, FamilyI_o__SubsectionIII, Phormidium</i>	0.00			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Brocadiales, Brocadiaceae, Candidatus_Kuenenia</i>	4.12			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Novosphingobium</i>	5.48	CP	5.03	0.05
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4</i>	6.09			-
<i>Bacteria, Spirochaetae</i>	4.84			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales</i>	5.95			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Dermacoccaceae</i>	5.87			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadales_Incertae_Sedis</i>	6.43			-
<i>Bacteria, Planctomycetes, BD7_11</i>	4.42			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Ramlibacter</i>	6.15			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, Thermosporotrichaceae</i>	5.94	CP	5.45	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Comamonas</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Gaiellales, Gaiellaceae, Gaiella</i>	6.00			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales</i>	6.03			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales</i>	3.98			-
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales, Verrucomicrobiaceae</i>	4.52			-
<i>Bacteria, Verrucomicrobia, Opitutae, Opitutales, Opitutaceae</i>	5.85			-

<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Gemmatimonadales, Gemmatimonadaceae, Gemmatimonas</i>	7.06			-
<i>Bacteria, Elusimicrobia, Elusimicrobia, Lineage_IV</i>	5.36	CK	4.99	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Phyllobacteriaceae, Aquamicrobium</i>	5.42			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bradymonadales, Bradymonadaceae</i>	4.20			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae, Luedemannella</i>	5.13			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Sandaracinaceae, Sandaracinus</i>	4.61	CP	4.63	0.05
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales, Planctomycetaceae</i>	6.00			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Gemmatimonadales, Gemmatimonadaceae</i>	7.01			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Streptococcaceae, Lactococcus</i>	6.06			-
<i>Bacteria, Chlorobi, Chlorobia, Chlorobiales, SJA_28</i>	3.82			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Solirubrobacteraceae, Solirubrobacter</i>	3.93			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, DA101_soil_group</i>	6.35	CK	5.77	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardiodaceae, Kribbella</i>	5.34			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, PHOS_HE51</i>	4.94	CP	4.79	0.04
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Sediminibacterium</i>	5.27	CP	4.82	0.05
<i>Bacteria, Proteobacteria</i>	5.87			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Castellaniella</i>	6.52			-

<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Gemmatimonadales</i>	7.35			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, 1921_3</i>	5.81			-
<i>Bacteria, Bacteroidetes, Cytophagia</i>	6.54	CP	6.13	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Cryomorphaceae, Wandonia</i>	6.02	CP	5.71	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae, Asticcacaulis</i>	5.85	CP	5.42	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Nevskiaceae, Nevskia</i>	4.16			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Solimonadaceae</i>	5.81	CP	5.50	0.05
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales, Trueperaceae, Truepera</i>	5.42			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae, Brevundimonas</i>	5.66			-
<i>Bacteria, Chloroflexi, Chloroflexia, Chloroflexales, Roseiflexaceae</i>	5.97	CP	5.59	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Cryomorphaceae</i>	0.00			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Polyangiaceae, Sorangium</i>	5.09			-
<i>Bacteria, Acidobacteria, Acidobacteria, Holophagales, Holophagaceae, Holophaga</i>	6.22			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, BacC_u_018</i>	5.26			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Cellulomonadaceae</i>	4.26			-
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales</i>	4.84			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales</i>	6.12			-

<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales, Verrucomicrobiaceae, Luteolibacter</i>	3.68			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillales_Incertae_Sedis, Reyranela</i>	6.26			-
<i>Bacteria, FBP</i>	5.80	CK	5.28	0.05
<i>Bacteria, Armatimonadetes, Fimbriimonadia, Fimbriimonadales, Fimbriimonadaceae</i>	5.35			-
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales, Parachlamydiaceae</i>	4.25			-
<i>Bacteria, Verrucomicrobia, Opitutae, Opitutales, Opitutaceae, Opitutus</i>	5.85			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales</i>	6.20			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Mizugakiibacter</i>	7.65			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Phycisphaerales, Phycisphaeraceae, Phycisphaera</i>	4.69			-
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardiodaceae</i>	6.64	CP	6.10	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae, Duganella</i>	0.00			-
<i>Bacteria, Verrucomicrobia, Opitutae, Opitutales</i>	5.85			-
<i>Bacteria, Parcubacteria, Candidatus_Campbellbacteria</i>	0.00			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales</i>	6.64	CP	6.20	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Methylococcales, Methylococcaceae, Methylocaldum</i>	3.58			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales</i>	5.24	CP	4.81	0.05
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Archangiaceae, Anaeromyxobacter</i>	5.64			-

<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Coxiellaceae, Aquicella</i>	5.77			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Sporolactobacillaceae</i>	6.41	CK	6.06	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Rudaea</i>	4.26			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales</i>	7.07			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, BIRii41</i>	5.37	CP	5.07	0.04
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Achromobacter</i>	5.23			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae, Brevibacillus</i>	6.35			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Promicromonosporaceae, Cellulosimicrobium</i>	4.12			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Thermogemmatissporales</i>	5.40			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Rhodocyclales, Rhodocyclaceae</i>	5.16			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Nannocystaceae</i>	0.00			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, 11_24</i>	5.34			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Promicromonosporaceae</i>	4.12			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Parafilimonas</i>	4.73			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Niastella</i>	5.02			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Patulibacteraceae</i>	4.64			-
<i>Bacteria, Chloroflexi, Chloroflexia, Chloroflexales</i>	5.99	CP	5.63	0.05

<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Pricia</i>	5.82	CP	5.42	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales</i>	5.54			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Thermogemmatisporales, 1921_2</i>	5.40			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae, Microbispora</i>	5.96	CK	5.59	0.05
<i>Bacteria, Cyanobacteria, Cyanobacteria, Vampirovibrionales</i>	4.48			-
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae</i>	4.52			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Nocardiaceae</i>	5.63			-
<i>Bacteria, Planctomycetes, Planctomycetacia</i>	6.20			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Saprospiraceae</i>	4.98			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales, Rhodobacteraceae, Rhodobacter</i>	4.43			-
<i>Bacteria, Chloroflexi, TK10</i>	6.21			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Mycobacteriaceae</i>	6.10			-
<i>Bacteria, Chlorobi</i>	5.77			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Pseudomonadaceae, Pseudomonas</i>	6.22	CP	5.81	0.05
<i>Bacteria, Bacteroidetes, Bacteroidia</i>	5.09			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae</i>	6.08			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Gemmatimonadales, Gemmatimonadaceae, Gemmatirosa</i>	5.69			-

<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiales_Incertae_Sedis, Candidatus_Microthrix</i>	0.00			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, SAR324_clade_Marine_group_B_</i>	4.30			-
<i>Bacteria, Chloroflexi, Gitt_GS_136</i>	5.43	CP	4.83	0.05
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, DS_100</i>	0.00			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales, Enterobacteriaceae, Kluyvera</i>	5.45	CP	5.09	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Neisseriales</i>	4.25			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Rickettsiales_Incertae_Sedis, Candidatus_Odyssella</i>	4.34			-
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales</i>	5.43			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae</i>	6.41	CP	5.97	0.05
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, KD3_93</i>	4.71			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Xenophilus</i>	4.96			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, NS11_12_marine_group</i>	5.05			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Pseudoxanthomonas</i>	5.07	CP	4.81	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Solimonadaceae, Polycyclovorans</i>	5.43	CP	5.13	0.05
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales, Spirochaetaceae, Spirochaeta_2</i>	4.69			-
<i>Bacteria, Nitrospirae</i>	6.36			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Methylophilales, Methylophilaceae, Methylobacillus</i>	5.02	CP	4.73	0.05

<i>Bacteria, Firmicutes, Bacilli, Bacillales, Alicyclobacillaceae</i>	5.46			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, Xiphinematobacteraceae, Candidatus_Xiphinematobacter</i>	5.01			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Parapedobacter</i>	5.85			-
<i>Bacteria, Fibrobacteres, Fibrobacteria, Fibrobacterales, Fibrobacteraceae, possible_genus_04</i>	4.42			-
<i>Bacteria, Cyanobacteria, Cyanobacteria, SubsectionIII, FamilyI_o__SubsectionIII, Microcoleus</i>	4.12			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Emticicia</i>	4.16			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Clostridiaceae_1, Clostridium_sensu_stricto_1</i>	5.62			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Sporolactobacillaceae, Sporolactobacillus</i>	6.32	CK	5.95	0.05
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Clostridiaceae_1, Clostridium_sensu_stricto_9</i>	4.67			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, JG30a_KF_32</i>	6.19			-
<i>Bacteria, Chlamydiae, Chlamydiae</i>	5.05			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae, Acidisoma</i>	4.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Phyllobacteriaceae, Aminobacter</i>	5.73			-
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales, Porphyromonadaceae, Dysgonomonas</i>	0.00			-
<i>Bacteria, Chloroflexi, Anaerolineae, Anaerolineales</i>	6.32	CP	5.91	0.05
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Flavisolibacter</i>	6.14			-
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales, Simkaniaceae</i>	3.93			-

<i>Bacteria, Chloroflexi, Anaerolineae, Anaerolineales, Anaerolineaceae</i>	6.32	CP	5.90	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Elev_16S_1332</i>	4.53			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Ferruginibacter</i>	5.27	CP	4.95	0.05
<i>Bacteria, Chloroflexi</i>	5.33			-
<i>Bacteria, Acidobacteria, Acidobacteria, Holophagales</i>	6.52	CP	6.05	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, 0319_6M6</i>	4.93			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Hydrogenophilales</i>	4.86			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhodobiaceae</i>	5.50			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Rhizorhapis</i>	4.67			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Empedobacter</i>	4.38			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Family_XII_o__Bacillales</i>	4.76			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Hyphomonadaceae</i>	4.16			-
<i>Bacteria, Chloroflexi, JG37_AG_4</i>	6.86			-
<i>Bacteria, Firmicutes, Clostridia</i>	5.03			-
<i>Bacteria, Chloroflexi, SHA_26</i>	4.63			-
<i>Bacteria, Chloroflexi, Caldilineae</i>	4.52			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Heliimonas</i>	4.16			-

<i>Bacteria, Planctomycetes, Planctomycetacia, Brocadiales, Brocadiaceae</i>	4.12			-
<i>Bacteria, Omnitrophica</i>	3.58			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae, Paucimonas</i>	4.41			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, C0119</i>	6.27			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Iamiaceae</i>	5.28			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Acidothermaceae, Acidothermus</i>	6.18			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, JG30_KF_AS9</i>	6.99			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Planococcaceae, Sporosarcina</i>	5.30			-
<i>Bacteria, Saccharibacteria</i>	7.42			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Legionellaceae, Legionella</i>	5.00			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cyclobacteriaceae</i>	0.00			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Porticoccaceae, C1_B045</i>	4.26			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Micrococcaceae, Sinomonas</i>	4.49	CP	4.76	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, RB446</i>	4.16			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Aeromonadales</i>	4.62	CP	4.58	0.04
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfuromonadales, Geobacteraceae</i>	3.97			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Enterococcaceae, Enterococcus</i>	6.03			-

<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae, Cohnella</i>	6.32			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Methylococcales, Methylococcaceae</i>	3.58			-
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales, Trueperaceae</i>	5.42			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae</i>	6.84			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Nevskiaceae</i>	6.21			-
<i>Bacteria, Firmicutes, Clostridia, Halanaerobiales, ODP1230B8_23</i>	6.62			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Christensenellaceae, Christensenellaceae_R_7_group</i>	3.58			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis, Bauldia</i>	5.13			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bdellovibrionaceae, Bdellovibrio</i>	5.76			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, Xiphinematobacteraceae</i>	5.01			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Alcanivoracaceae, Alcanivorax</i>	5.92			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, SC_I_84</i>	6.74			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae</i>	5.31			-
<i>Bacteria, Cyanobacteria, Cyanobacteria, SubsectionIII</i>	5.11	CP	4.79	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardiodaceae, Nocardioidea</i>	6.14	CP	5.61	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Thermomonosporaceae</i>	5.57			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfurellales, Desulfurellaceae, H16</i>	6.06			-

<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1, Granulicella</i>	5.99			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, PAUC26f</i>	4.63			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Thiotrichales, Thiotrichaceae</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales, Actinospicaceae</i>	5.62			-
<i>Bacteria, Firmicutes, Limnochordia, Limnochordales</i>	4.70	CK	4.60	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Pseudonocardia</i>	4.98			-
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales</i>	4.52			-
<i>Bacteria, Chlorobi, Chlorobia, Chlorobiales</i>	5.77			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, KCM_B_15</i>	4.78			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Aeromonadales, Aeromonadaceae</i>	4.62	CP	4.60	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales</i>	5.67			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae, Massilia</i>	6.12			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales</i>	5.33			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacteriales, FCPS473</i>	5.35			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Phycisphaerales, Phycisphaeraceae</i>	0.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylobacteriaceae, Microvirga</i>	4.85			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Sphingobium</i>	5.56			-

<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Family_XVII, Sulfobacillus</i>	4.38			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Alcanivoracaceae</i>	5.92			-
<i>Bacteria, Nitrospirae, Nitrospira, Nitrospira</i>	6.36			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae, Variibacter</i>	5.48			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes</i>	4.66			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Rickettsiales_Incertae_Sedis</i>	4.34			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, CWT_CU03_E12</i>	5.24			-
<i>Bacteria, Chloroflexi, Ktedonobacteria</i>	5.33			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae, Acidiphilium</i>	4.85			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, I_10</i>	5.27			-
<i>Bacteria, Chloroflexi, Caldilineae, Caldilineales</i>	4.52			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfurellales, Desulfurellaceae</i>	6.06			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Holosporaceae</i>	4.52			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Lechevalieria</i>	4.91	CP	4.66	0.05
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales, Verrucomicrobiaceae, Haloferula</i>	4.52			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia</i>	7.63			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Ralstonia</i>	5.86			-

<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Mycobacteriaceae, Mycobacterium</i>	6.10			-
<i>Bacteria, Chloroflexi, Anaerolineae</i>	6.32	CP	5.89	0.05
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales, Porphyromonadaceae</i>	5.09			-
<i>Bacteria, Actinobacteria</i>	7.56			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Alphaproteobacteria_Incertae_Sedis</i>	4.76			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiaceae, CL500_29_marine_group</i>	4.86			-
<i>Bacteria, Acidobacteria, Acidobacteria, Subgroup_10</i>	5.71	CP	5.24	0.05
<i>Bacteria, Cyanobacteria, Cyanobacteria</i>	6.01			-
<i>Bacteria, Acidobacteria, Acidobacteria, Subgroup_7</i>	6.01			-
<i>Bacteria</i>	6.00			-
Taxonomy	Mean	Group	LDA	P value
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae, Pseudoduganella</i>	4.92			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae, Streptosporangium</i>	3.58			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Streptococcaceae</i>	6.04			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Archangiaceae</i>	4.66			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Brucellaceae, Ochrobactrum</i>	4.84			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, YNPFFP1</i>	5.55			-

<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae</i>	5.76			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Erythrobacteraceae, Altererythrobacter</i>	5.59			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Hahellaceae, Hahella</i>	3.68			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Peptostreptococcaceae, Paeniclostridium</i>	5.43			-
<i>Bacteria, Actinobacteria, Actinobacteria, Kineosporiales</i>	5.69	CK	5.20	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales</i>	7.07			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Lacibacter</i>	3.86			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiaceae</i>	4.64			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Dokdonella</i>	5.67			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Zymomonas</i>	4.13			-
<i>Bacteria, Chlorobi, Chlorobia, Chlorobiales, OPB56</i>	5.73			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Phyllobacteriaceae</i>	6.57			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Nubsella</i>	3.56			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Kutzneria</i>	4.58			-
<i>Bacteria, Elusimicrobia, Elusimicrobia, Lineage_IIc</i>	4.34			-
<i>Bacteria, Elusimicrobia, Elusimicrobia, Lineage_I Ib</i>	4.73			-
<i>Bacteria, Elusimicrobia, Elusimicrobia, Lineage_I Ia</i>	4.16			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Rhodoplanes</i>	5.46			-
<i>Bacteria, Bacteroidetes</i>	5.21			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Nocardiaceae, Rhodococcus</i>	5.04			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Longimicrobiales</i>	5.38			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae, Pseudolabrys</i>	6.55			-
<i>Bacteria, Verrucomicrobia, OPB35_soil_group, Pedosphaera</i>	4.41			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Moraxellaceae</i>	4.77			-
<i>Bacteria, Acidobacteria, Acidobacteria, Subgroup_10, ABS_19</i>	5.25			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae</i>	6.63			-
<i>Bacteria, Ignavibacteriae, Ignavibacteria, Ignavibacteriales</i>	4.26			-
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales</i>	6.48			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bdellovibrionaceae, OM27_clade</i>	4.16			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Dyadobacter</i>	4.98	LM	4.81	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Sphingopyxis</i>	5.64			-
<i>Bacteria, Deinococcus_Thermus, Deinococci</i>	5.77			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Legionellaceae</i>	4.64			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Thiotrichales, EV818SWSAP88</i>	3.93			-

<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Sphingobacterium</i>	5.14			-
<i>Bacteria, Verrucomicrobia, Opitutae</i>	5.74			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales</i>	6.03			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, Ktedonobacteraceae</i>	5.03			-
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales, Porphyromonadaceae, Petrimonas</i>	5.09			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Carnobacteriaceae</i>	4.41			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales</i>	5.55			-
<i>Bacteria, Candidatus_Berkelbacteria</i>	4.26			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Dinghuibacter</i>	3.91			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis</i>	6.82			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Moraxellaceae, Acinetobacter</i>	4.51			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, P3OB_42</i>	5.72			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, MNG7</i>	4.33			-
<i>Bacteria, Actinobacteria, Actinobacteria, Gaiellales, Gaiellaceae</i>	6.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae</i>	6.60			-
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales, Catenulisporaceae, Catenulispora</i>	5.12			-
<i>Bacteria, Firmicutes, Erysipelotrichia</i>	5.37			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales</i>	5.68			-
<i>Bacteria, Verrucomicrobia, OPB35_soil_group</i>	6.29			-
<i>Bacteria, Planctomycetes, Phycisphaerae</i>	6.11	CK	5.59	0.05
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Family_XII_o__Bacillales, Exiguobacterium</i>	4.76			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae</i>	6.19			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Arenibacter</i>	5.29			-
<i>Bacteria, Armatimonadetes, Chthonomonadetes, Chthonomonadales, Chthonomonadaceae</i>	4.28			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Aquincola</i>	5.32			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales</i>	6.34			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Bogoriellaceae</i>	4.19			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae</i>	5.75			-
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales, Catenulisporaceae</i>	5.12			-
<i>Bacteria, Verrucomicrobia, Spartobacteria</i>	6.39	CK	5.81	0.05
<i>Bacteria, Chlorobi, Chlorobia</i>	5.73			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Thiotrichales</i>	3.93			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales</i>	3.58			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Nevskiaceae, Alkanibacter</i>	6.41			-

<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales, Deinococcaceae, Deinococcus</i>	4.23	LM	4.87	0.04
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Sandaracinaceae</i>	4.78			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Segetibacter</i>	4.46			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae</i>	3.56			-
<i>Bacteria, Actinobacteria, Actinobacteria, Gaiellales</i>	6.78			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Cellvibrionaceae, Cellvibrio</i>	5.11			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Muricauda</i>	4.40	LM	4.67	0.04
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales</i>	6.83			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, AKYH767</i>	4.70			-
<i>Bacteria, Acidobacteria, Acidobacteria</i>	6.86			-
<i>Bacteria, Firmicutes, Erysipelotrichia, Erysipelotrichales, Erysipelotrichaceae, Turicibacter</i>	5.37			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Porticoccaceae</i>	4.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Rickettsiaceae, Candidatus_Trichorickettsia</i>	0.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales, Rhodobacteraceae, Rubellimicrobium</i>	4.78			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis, Rhizomicrobium</i>	6.78			-
<i>Bacteria, Deinococcus_Thermus</i>	5.77			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylobacteriaceae, Methylobacterium</i>	4.44			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Devosia</i>	6.48			-
<i>Bacteria, Firmicutes, Erysipelotrichia, Erysipelotrichales, Erysipelotrichaceae</i>	5.37			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales, Rhodobacteraceae, Paracoccus</i>	4.74			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, Thermosporotrichaceae, Thermosporothrix</i>	4.72			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadales_Incertae_Sedis, Steroidobacter</i>	5.69			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Mitochondria</i>	3.72			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Sphingomonas</i>	7.34			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptomycetales, Streptomyetaceae, Streptomyces</i>	5.99			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Pseudomonadaceae</i>	5.90	LM	5.40	0.05
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, 1959_1</i>	4.47			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Tepidisphaerales</i>	6.10	CK	5.59	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Alphaproteobacteria_Incertae_Sedis, Micavibrio</i>	4.45	LM	4.73	0.04
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Panacagrimonas</i>	4.61			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, mle1_27</i>	4.60	LM	4.94	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Geodermatophilaceae</i>	5.65			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, AKIW659</i>	4.51			-
<i>Bacteria, Chloroflexi, Thermomicrobia, Sphaerobacterales</i>	5.86	CK	5.31	0.05

<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Lysobacter</i>	5.91			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Neisseriales, Neisseriaceae</i>	4.19			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Methylococcales</i>	4.04			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Erythrobacteraceae</i>	6.17			-
<i>Bacteria, Peregrinibacteria, Candidatus_Peribacteria</i>	4.63	LM	4.57	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Luteimonas</i>	6.08			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhodobiaceae, Parvibaculum</i>	5.71			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Demequinaceae, Lysinimicrobium</i>	4.43			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Crenotalea</i>	6.43			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Arenimonas</i>	6.00			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Clostridiaceae_1</i>	4.54			-
<i>Bacteria, Chloroflexi, P2_11E</i>	4.67			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Phycisphaerales</i>	4.28			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Bacillaceae, Oceanobacillus</i>	4.64			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Mucilaginibacter</i>	5.98			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Confluentibacter</i>	4.70			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Cryomorphaceae, Fluviicola</i>	5.44			-

<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Delftia</i>	3.68			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Streptococcaceae, Streptococcus</i>	4.66			-
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales</i>	5.05	CK	4.69	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Luteibacter</i>	5.78	LM	5.52	0.05
<i>Bacteria, WS6</i>	3.56			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Pusillimonas</i>	5.29			-
<i>Bacteria, Actinobacteria, Actinobacteria, Kineosporiales, Kineosporiaceae, Angustibacter</i>	5.69	CK	5.18	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, NS9_marine_group</i>	5.32	LM	5.07	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Streptomycetales</i>	6.38			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Arachidicoccus</i>	6.88			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Vitellibacter</i>	4.51			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Pandoraea</i>	5.17			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Aquabacterium</i>	5.57			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Variovorax</i>	4.52			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, Chthoniobacteraceae</i>	4.98			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Bacillaceae, Bacillus</i>	6.10			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Rhodocyclales, Rhodocyclaceae, Uliginosibacterium</i>	4.21			-

<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae</i>	7.09			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, G12_WMSP1</i>	5.21			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Hyphomonadaceae, Hirschia</i>	4.72			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Sporocytophaga</i>	5.23			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales</i>	5.93	LM	5.47	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae</i>	6.02			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales, Planctomycetaceae, Planctomyces</i>	3.58			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, DA111</i>	6.49			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Saccharothrix</i>	3.91			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae</i>	6.24			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Galbibacter</i>	3.95			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadales_Incertae_Sedis, Acidibacter</i>	6.33			-
<i>Bacteria, Chloroflexi, Anaerolineae, Anaerolineales, Anaerolineaceae, Anaerolinea</i>	4.30			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae, Micromonospora</i>	5.57			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Rickettsiaceae</i>	0.00			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Christensenellaceae</i>	3.58			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, AKYH478</i>	4.27			-

<i>Bacteria, Acidobacteria, Acidobacteria, Vicinamibacter</i>	4.51			-
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales, Actinospicaceae, Actinospica</i>	5.39	CK	4.99	0.05
<i>Bacteria, Ignavibacteriae, Ignavibacteria, Ignavibacteriales, BSV26</i>	4.69			-
<i>Bacteria, Elusimicrobia, Elusimicrobia</i>	5.46			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae</i>	5.80			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales, Enterobacteriaceae, Serratia fonticola RB_25_group</i>	0.00			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Ohtaekwangia</i>	4.37			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Oceanospirillaceae, Pseudohongiella</i>	5.33			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales</i>	6.15			-
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1, Edaphobacter</i>	5.70			-
<i>Bacteria, Acidobacteria, Acidobacteria, Holophagales, Holophagaceae</i>	6.17	LM	5.82	0.05
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Bacillaceae</i>	6.12			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Sporichthyaceae</i>	4.72	CK	4.68	0.05
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Planococcaceae</i>	5.83			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Planococcaceae, Solibacillus</i>	5.31			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae, Rhodovastum</i>	5.90			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Hydrogenophilales, Hydrogenophilaceae, Thiobacillus</i>	4.75			-

<i>Bacteria, Firmicutes, Bacilli, Bacillales, Sporolactobacillaceae, Tuberibacillus</i>	5.69	CK	5.37	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Intrasporangiaceae, Terrabacter</i>	5.48	LM	4.74	0.05
<i>Bacteria, Chloroflexi, Elev_1554</i>	3.88			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Halomonadaceae</i>	4.04			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Micrococcaceae</i>	6.20			-
<i>Bacteria, Chloroflexi, Thermomicrobia</i>	6.31	CK	5.68	0.05
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfurellales</i>	6.06			-
<i>Bacteria, Spirochaetae, Spirochaetes</i>	5.22			-
<i>Bacteria, Chloroflexi, Thermomicrobia, AKYG1722</i>	5.49			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Flavitalea</i>	5.35			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Frankiaceae, Jatrophihabitans</i>	6.14			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Moraxellaceae, Psychrobacter</i>	0.00			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales, Planctomycetaceae, Singulisphaera</i>	5.65			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Thermoactinomycetaceae, Shimazuella</i>	4.95			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae, Lysinimonas</i>	6.20	CK	5.42	0.05
<i>Bacteria, Firmicutes, Bacilli, C178B</i>	6.18	CK	5.84	0.05
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Peptostreptococcaceae</i>	5.30			-

<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Cupriavidus</i>	4.57			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Dyella</i>	6.73			-
<i>Bacteria, Verrucomicrobia</i>	6.63			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Gsoil_1167</i>	4.23	LM	4.86	0.04
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Burkholderia_Paraburkholderia</i>	6.30			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, Candidatus_Solibacter</i>	6.40			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Phaselicystidaceae</i>	4.30			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Nakamurellaceae</i>	5.61			-
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales</i>	5.53			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillales_Incertae_Sedis</i>	6.18			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Lachnospiraceae, Lachnospiraceae_NK3A20_group</i>	3.56			-
<i>Bacteria, Planctomycetes, OM190</i>	3.68			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, TRA3_20</i>	5.92			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Pelomonas</i>	4.35			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales, Planctomycetaceae, Isosphaera</i>	5.10	CK	5.02	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Bogoriellaceae, Georgenia</i>	4.19			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, env_OPS_17</i>	5.48			-

<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Coxiellaceae</i>	5.99			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Gelidibacter</i>	5.63			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Stenotrophomonas</i>	5.56			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Verticia</i>	4.60			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Beijerinckiaceae, Methylovirgula</i>	5.32			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales</i>	6.15			-
<i>Bacteria, Chloroflexi, Chloroflexia, Chloroflexales, Roseiflexaceae, Roseiflexus</i>	5.39			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiaceae</i>	5.82			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Roseiarcaceae, Roseiarcus</i>	5.91			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales</i>	5.13			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae, Paenibacillus</i>	6.41			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Eel_36e1D6</i>	0.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Bradyrhizobiaceae</i>	5.40			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, Tellurimicrobium</i>	4.85			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Patulibacteraceae, Patulibacter</i>	4.64			-
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardiodaceae, Aeromicrobium</i>	5.59	LM	5.23	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Nitrosomonadales</i>	6.74			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylobacteriaceae</i>	4.95			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Cytophaga</i>	5.02			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Sporichthyaceae, Sporichthya</i>	4.67			-
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales, Leptospiraceae</i>	4.46			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Terrimonas</i>	5.31			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Brucellaceae</i>	4.84			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bradymonadales</i>	4.43			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Brocadiales</i>	3.86			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_</i>	6.83			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, alphaI_cluster</i>	4.82			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bacteriovoracaceae, Peredibacter</i>	5.06	LM	4.71	0.05
<i>Bacteria, Armatimonadetes, Fimbriimonadia, Fimbriimonadales</i>	5.31			-
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1, Acidobacterium</i>	6.19			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, Bryobacter</i>	6.63			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Nocardiaceae, Nocardia</i>	5.02			-
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales, Spirochaetaceae</i>	5.19			-
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales, Parachlamydiaceae, Neochlamydia</i>	4.24			-

<i>Bacteria, Firmicutes, Bacilli, Bacillales, Alicyclobacillaceae, Tumebacillus</i>	5.35			-
<i>Bacteria, Parcubacteria, Candidatus_Nomurabacteria</i>	3.68			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae</i>	5.33			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Chitinophaga</i>	5.69			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, KF_JG30_B3</i>	5.26			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Methylophilales</i>	5.77			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales</i>	6.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylobacteriaceae, Meganema</i>	4.48			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales, Rhodobacteraceae</i>	4.13			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Adhaeribacter</i>	0.00			-
<i>Bacteria, Armatimonadetes, Chthonomonadetes</i>	4.28			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Nocardiaceae, Smaragdicoccus</i>	4.53			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Beijerinckiaceae</i>	5.39			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria</i>	5.40			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillaceae</i>	5.90			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Hyphomicrobium</i>	5.80			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Aeromonadales, Aeromonadaceae, Aeromonas</i>	0.00			-

<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Family_XIII, Mogibacterium</i>	4.27			-
<i>Bacteria, Proteobacteria, ARKICE_90</i>	4.33			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Hyphomonadaceae, Woodsholea</i>	4.61			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae, Caulobacter</i>	5.35	LM	5.07	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Tahibacter</i>	4.51			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, B12_WMSP1</i>	5.60	CK	5.10	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Methylophilales, Methylophilaceae</i>	5.39			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bacteriovoracaceae</i>	0.00			-
<i>Bacteria, Proteobacteria, Betaproteobacteria</i>	4.71	CK	4.80	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales</i>	6.17			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae</i>	6.06			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae, Labrys</i>	4.10			-
<i>Bacteria, TM6__Dependentiae__</i>	5.22			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Limnobacter</i>	5.18			-
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales, Deinococcaceae</i>	4.23	LM	4.88	0.04
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Leadbetterella</i>	4.16			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Oligoflexales, 0319_6G20</i>	5.85			-

<i>Bacteria, Parcubacteria, Candidatus_Azambacteria</i>	3.56			-
<i>Bacteria, Latescibacteria</i>	5.41			-
<i>Bacteria, Armatimonadetes</i>	4.49			-
<i>Bacteria, Firmicutes</i>	7.32			-
<i>Bacteria, Ignavibacteriae</i>	4.83			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Chryseobacterium</i>	5.57			-
<i>Bacteria, GAL15</i>	5.85			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Tepidisphaerales, Tepidisphaeraceae</i>	6.10	CK	5.60	0.05
<i>Bacteria, Chloroflexi, S085</i>	5.18			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, Stenotrophobacter</i>	4.43			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Filimonas</i>	5.63			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Phycisphaerales, Phycisphaeraceae, SM1A02</i>	4.28			-
<i>Bacteria, Chloroflexi, Thermomicrobia, Sphaerobacterales, Sphaerobacteraceae, Nitrolancea</i>	5.86	CK	5.30	0.05
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Lachnospiraceae</i>	3.56			-
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales, Porphyromonadaceae, Parabacteroides</i>	0.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae, Pseudoxanthobacter</i>	4.33			-
<i>Bacteria, Firmicutes, Limnochordia</i>	4.70			-

<i>Bacteria, Fibrobacteres, Fibrobacteria, Fibrobacterales</i>	4.86			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, SM2D12</i>	5.63			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Neisseriales, Neisseriaceae, Vitreoscilla</i>	0.00			-
<i>Bacteria, Firmicutes, Clostridia, Halanaerobiales</i>	6.62			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Haliangiaceae</i>	6.01			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Longimicrobiales, Longimicrobiaceae</i>	5.38			-
<i>Bacteria, Chlamydiae</i>	5.05	CK	4.68	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Micrococcaceae, Arthrobacter</i>	5.52			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Frankiaceae</i>	6.14			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Coxiellaceae, Coxiella</i>	4.50			-
<i>Bacteria, Firmicutes, Erysipelotrichia, Erysipelotrichales</i>	5.37			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Phyllobacteriaceae, Mesorhizobium</i>	6.48			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Polyangiaceae</i>	4.33			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylocystaceae</i>	4.63			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Geodermatophilaceae, Blastococcus</i>	5.66			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Myxococcaceae</i>	3.93			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Phaselicystidaceae, Phaselicystis</i>	4.30			-

<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Chryseolinea</i>	5.48	LM	5.03	0.05
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1, Candidatus_Koribacter</i>	5.37			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, MNC12</i>	3.56			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Hahellaceae</i>	3.68			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Planococcaceae, Lysinibacillus</i>	5.42			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis, Agaricicola</i>	5.33			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Carnobacteriaceae, Carnobacterium</i>	4.41			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Eoetvoesia</i>	5.26			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae, Nonomuraea</i>	4.62			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Pedobacter</i>	5.90			-
<i>Bacteria, Gemmatimonadetes</i>	7.35			-
<i>Bacteria, Parcubacteria</i>	6.41			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales</i>	6.19			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria</i>	3.72			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Bradyrhizobiaceae, Bradyrhizobium</i>	6.60			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, FFCH11085</i>	4.52			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Acidothermaceae</i>	6.18			-

<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bdellovibrionaceae</i>	5.98			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Moraxellaceae, Perlucidibaca</i>	4.42			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Beijerinckiaceae, Methylosorus</i>	4.62	LM	4.55	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Iamiaceae, Iamia</i>	4.98			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, OM1_clade</i>	4.02			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Nitrosomonadales, Nitrosomonadaceae</i>	6.68			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Coxiellaceae, Rickettsiella</i>	4.89			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiaceae, Kaistia</i>	4.58			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales</i>	6.36	LM	5.91	0.05
<i>Bacteria, Chloroflexi, Thermomicrobia, JG30_KF_CM45</i>	6.04	CK	5.48	0.05
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Parasegetibacter</i>	4.04			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales</i>	6.45			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae</i>	6.20	LM	5.75	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, MND8</i>	4.16			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, NB1_j</i>	4.44			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Paralcaligenes</i>	5.36			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis, Nordella</i>	5.16			-

<i>Bacteria, FCPU426</i>	4.67			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae, Aneurinibacillus</i>	4.43			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Bradyrhizobiaceae, Bosea</i>	4.63	LM	4.78	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Rhizobacter</i>	4.79			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Cellvibrionaceae, Simiduia</i>	0.00			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Blfdi19</i>	4.72			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales</i>	6.19			-
<i>Bacteria, Armatimonadetes, Chthonomonadetes, Chthonomonadales</i>	4.28			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Methylophilales, Methylophilaceae, Methylostenobacter</i>	4.88			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Oligoflexales</i>	5.96			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Rhodocyclales</i>	4.82			-
<i>Bacteria, Fibrobacteres, Fibrobacteria</i>	4.86			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Rhodanobacter</i>	7.84			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Nitrosomonadales, Nitrosomonadaceae, Nitrospira</i>	5.78			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfuromonadales, Geobacteraceae, Geobacter</i>	0.00			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Flavohumibacter</i>	4.76	LM	4.63	0.05
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Thermoactinomycetaceae</i>	4.95			-

<i>Bacteria, Peregrinibacteria</i>	4.63	LM	4.56	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria</i>	6.51			-
<i>Bacteria, Actinobacteria, Actinobacteria</i>	5.78			-
<i>Bacteria, Chloroflexi, SBR2076</i>	5.55			-
<i>Bacteria, Parcubacteria, Candidatus_Jorgensenbacteria</i>	4.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillaceae, Dongia</i>	5.26			-
<i>Bacteria, Acidobacteria</i>	7.53			-
<i>Bacteria, Chloroflexi, Chloroflexia, Chloroflexales, FFCH7168</i>	4.40			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiales_Incertae_Sedis</i>	3.72			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Hydrogenophilales, Hydrogenophilaceae</i>	4.75			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae, Dactylosporangium</i>	4.68			-
<i>Bacteria, Cyanobacteria, Cyanobacteria, SubsectionIII, FamilyI_o_SubsectionIII</i>	4.54			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Intrasporangiaceae</i>	6.32			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Oceanospirillaceae</i>	5.33			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Aequorivita</i>	5.29			-
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales, cvE6</i>	4.94			-
<i>Bacteria, Firmicutes, Limnochordia, Limnochordales, Limnochordaceae</i>	4.70			-

<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Thermomonas</i>	5.20	LM	4.86	0.05
<i>Bacteria, Ignavibacteriae, Ignavibacteria</i>	4.83			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Oligoflexales, Oligoflexaceae</i>	5.30			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, 27F_1492R</i>	4.65			-
<i>Bacteria, Fibrobacteres, Fibrobacteria, Fibrobacterales, Fibrobacteraceae</i>	4.63			-
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardiodaceae, Marmoricola</i>	6.10			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae, Leucobacter</i>	3.58			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, B10_SB3A</i>	5.20	CK	4.85	0.05
<i>Bacteria, Chloroflexi, Caldilineae, Caldilineales, Caldilineaceae</i>	4.52			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Pseudopedobacter</i>	4.39	LM	5.12	0.04
<i>Bacteria, Saccharibacteria, Candidatus_Saccharimonas</i>	4.33			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Amycolatopsis</i>	5.33			-
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1</i>	7.12			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Family_XIII</i>	4.27			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales</i>	4.54			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae, Leifsonia</i>	5.64			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae</i>	5.64			-

<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae, Hamadaea</i>	4.78			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, RB41</i>	5.24			-
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales</i>	7.22			-
<i>Bacteria, Nitrospirae, Nitrospira</i>	6.12			-
<i>Bacteria, Armatimonadetes, Chthonomonadetes, Chthonomonadales, Chthonomonadaceae, Chthonomonas</i>	4.28			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae, Humibacter</i>	5.67			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, Paludibaculum</i>	4.57			-
<i>Bacteria, Fibrobacteres</i>	4.86			-
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales, Verrucomicrobiaceae, Verrucomicrobium</i>	4.07			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Frateuria</i>	6.30			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bradymonadales, Bradymonadaceae, Bradymonas</i>	4.43			-
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales, Leptospiraceae, Turneriella</i>	4.46			-
<i>Bacteria, Cyanobacteria</i>	5.91			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Rhodomicrobium</i>	4.16			-
<i>Bacteria, Actinobacteria, Actinobacteria, Kineosporiales, Kineosporiaceae</i>	5.69	CK	5.19	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Thiotrichales, Thiotrichaceae, Beggiatoa</i>	0.00			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Moheibacter</i>	4.98			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae</i>	7.35			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Bradyrhizobiaceae, Rhodopseudomonas</i>	5.41			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillaceae, Ferrovibrio</i>	4.07			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales</i>	5.32			-
<i>Bacteria, Bacteroidetes, Flavobacteriia</i>	6.74			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillaceae, Inquilinus</i>	4.30			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Nitrosomonadales, Nitrosomonadaceae, Nitrosomonas</i>	4.46			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales</i>	5.88			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Alicyclobacillaceae, Alicyclobacillus</i>	4.96			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Flavobacterium</i>	6.02			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, DSSF69</i>	4.69			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales, Enterobacteriaceae</i>	5.55			-
<i>Bacteria, Acidobacteria, Acidobacteria, Holophagales, Holophagaceae, Geothrix</i>	4.71			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Ottowia</i>	5.25			-
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales</i>	5.09			-
<i>Bacteria, Elusimicrobia</i>	5.46			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, B1_7BS</i>	4.15			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Pedomicrobium</i>	4.72			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Solirubrobacteraceae</i>	4.29			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales, Enterobacteriaceae, Serratia</i>	3.91			-
<i>Bacteria, Chloroflexi, JG30_KF_CM66</i>	5.76			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae, Sphaerisporangium</i>	4.98			-
<i>Bacteria, BRC1</i>	4.73			-
<i>Bacteria, Planctomycetes</i>	6.46	CK	5.80	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae, Acidicaldus</i>	5.02			-
<i>Bacteria, Chloroflexi, Thermomicrobia, Sphaerobacterales, Sphaerobacteraceae</i>	5.86	CK	5.29	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Demequinaceae</i>	4.43			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Nakamurellaceae, Nakamurella</i>	5.61			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Family_XVII</i>	4.47			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, TM146</i>	4.57			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, HTA4</i>	4.88			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Roseiarcaceae</i>	5.91			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales</i>	6.01			-
<i>Bacteria, Chloroflexi, KD4_96</i>	6.32			-

<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Enterococcaceae</i>	6.03			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Thermomonosporaceae, Actinomadura</i>	5.57			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales</i>	6.89			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae, Phenylobacterium</i>	5.95			-
<i>Bacteria, Armatimonadetes, Fimbriimonadia</i>	5.31			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiaceae, Ilumatobacter</i>	4.44			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, HSB_OF53_F07</i>	6.40			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Halomonadaceae, Halomonas</i>	4.04			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, JG37_AG_20</i>	5.77			-
<i>Bacteria, Microgenomates</i>	5.46			-
<i>Bacteria, Proteobacteria, JTB23</i>	4.19			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Haliangiaceae, Haliangium</i>	6.01			-
<i>Bacteria, Parcubacteria, Candidatus_Magasanikbacteria</i>	4.75			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, Chthoniobacteraceae, Chthoniobacter</i>	4.98			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptomycetales, Streptomycetaceae</i>	6.17			-
<i>Bacteria, Firmicutes, Bacilli</i>	3.58			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Solimonadaceae, Solimonas</i>	5.60	LM	5.21	0.04

<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfuromonadales</i>	0.00			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Candidimonas</i>	6.40			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Cellvibrionaceae</i>	5.11			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Taibaiella</i>	6.76			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Dermacoccaceae, Flexivirga</i>	5.63	CK	5.24	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Cellulomonadaceae, Actinotalea</i>	4.27			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiaceae, Rhizobium</i>	5.80			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales</i>	5.75			-
<i>Bacteria, Chloroflexi, Chloroflexia</i>	5.43			-
<i>Bacteria, Cyanobacteria, Cyanobacteria, SubsectionIII, FamilyI_o__SubsectionIII, Phormidium</i>	4.04			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Brocadiales, Brocadiaceae, Candidatus_Kuenenia</i>	3.86			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Novosphingobium</i>	5.28			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4</i>	6.09			-
<i>Bacteria, Spirochaetae</i>	5.22			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales</i>	6.01			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Dermacoccaceae</i>	5.63	CK	5.25	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadales_Incertae_Sedis</i>	6.37			-

<i>Bacteria, Planctomycetes, BD7_11</i>	4.46			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Ramlibacter</i>	6.03			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, Thermosporotrichaceae</i>	5.58			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Comamonas</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Gaiellales, Gaiellaceae, Gaiella</i>	6.00			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales</i>	5.96			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales</i>	3.98			-
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales, Verrucomicrobiaceae</i>	4.35			-
<i>Bacteria, Verrucomicrobia, Opitutae, Opitutales, Opitutaceae</i>	5.74			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Gemmatimonadales, Gemmatimonadaceae, Gemmatimonas</i>	7.06			-
<i>Bacteria, Elusimicrobia, Elusimicrobia, Lineage_IV</i>	5.36			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Phyllobacteriaceae, Aquamicrobium</i>	5.42			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bradymonadales, Bradymonadaceae</i>	4.43			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae, Luedemannella</i>	4.99			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Sandaracinaceae, Sandaracinus</i>	4.97	LM	4.85	0.05
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales, Planctomycetaceae</i>	6.00	CK	5.19	0.05
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Gemmatimonadales, Gemmatimonadaceae</i>	7.01			-

<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Streptococcaceae, Lactococcus</i>	6.02			-
<i>Bacteria, Chlorobi, Chlorobia, Chlorobiales, SJA_28</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Solirubrobacteraceae, Solirubrobacter</i>	4.29			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, DA101_soil_group</i>	6.35	CK	5.72	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardiodaceae, Kribbella</i>	5.47			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, PHOS_HE51</i>	0.00			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Sediminibacterium</i>	5.31	LM	4.87	0.05
<i>Bacteria, Proteobacteria</i>	5.87			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Castellaniella</i>	6.19			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Gemmatimonadales</i>	7.35			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, 1921_3</i>	5.66			-
<i>Bacteria, Bacteroidetes, Cytophagia</i>	6.36	LM	5.88	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Cryomorphaceae, Wandonia</i>	5.82	LM	5.47	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae, Asticcacaulis</i>	5.61	LM	5.10	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Nevskiaceae, Nevskia</i>	4.46			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Solimonadaceae</i>	5.65	LM	5.27	0.05
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales, Trueperaceae, Truepera</i>	5.76			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae, Brevundimonas</i>	5.56			-
<i>Bacteria, Chloroflexi, Chloroflexia, Chloroflexales, Roseiflexaceae</i>	5.39			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Cryomorphaceae</i>	4.21			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Polyangiaceae, Sorangium</i>	5.00			-
<i>Bacteria, Acidobacteria, Acidobacteria, Holophagales, Holophagaceae, Holophaga</i>	6.26			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, BacC_u_018</i>	5.19			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Cellulomonadaceae</i>	4.27			-
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales</i>	5.22			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales</i>	6.11			-
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales, Verrucomicrobiaceae, Luteolibacter</i>	3.68			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillales_Incertae_Sedis, Reyranelia</i>	6.18			-
<i>Bacteria, FBP</i>	5.80			-
<i>Bacteria, Armatimonadetes, Fimbriimonadia, Fimbriimonadales, Fimbriimonadaceae</i>	5.31			-
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales, Parachlamydiaceae</i>	4.24			-
<i>Bacteria, Verrucomicrobia, Opitutae, Opitutaes, Opitutaceae, Opitutus</i>	5.74			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales</i>	6.20	CK	5.51	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Mizugakiibacter</i>	7.65			-

<i>Bacteria, Planctomycetes, Phycisphaerae, Phycisphaerales, Phycisphaeraceae, Phycisphaera</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardiodaceae</i>	6.48			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae, Duganella</i>	4.53	LM	4.70	0.04
<i>Bacteria, Verrucomicrobia, Opitutae, Opitutales</i>	5.74			-
<i>Bacteria, Parcubacteria, Candidatus_Campbellbacteria</i>	0.00			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales</i>	6.74			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Methylococcales, Methylococcaceae, Methylocaldum</i>	4.04			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales</i>	5.14			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Archangiaceae, Anaeromyxobacter</i>	5.55			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Coxiellaceae, Aquicella</i>	5.98			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Sporolactobacillaceae</i>	6.41	CK	6.09	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Rudaea</i>	4.26			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales</i>	7.07			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, B1rii41</i>	4.92	LM	4.70	0.04
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Achromobacter</i>	5.06			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae, Brevibacillus</i>	6.35			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Promicromonosporaceae, Cellulosimicrobium</i>	4.46			-

<i>Bacteria, Chloroflexi, Ktedonobacteria, Thermogemmatissporales</i>	5.40			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Rhodocyclales, Rhodocyclaceae</i>	4.72			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Nannocystaceae</i>	3.56			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, 11_24</i>	4.95			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Promicromonosporaceae</i>	4.46			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Parafilimonas</i>	5.09	LM	4.83	0.05
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Niastella</i>	4.90			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Patulibacteraceae</i>	4.64			-
<i>Bacteria, Chloroflexi, Chloroflexia, Chloroflexales</i>	5.43			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Pricia</i>	6.29	LM	5.98	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales</i>	5.72			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Thermogemmatissporales, 1921_2</i>	5.40			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae, Microbispora</i>	5.96			-
<i>Bacteria, Cyanobacteria, Cyanobacteria, Vampirovibrionales</i>	4.83			-
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae</i>	4.35			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Nocardiaceae</i>	5.33			-
<i>Bacteria, Planctomycetes, Planctomycetacia</i>	6.20	CK	5.55	0.05

<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Saprospiraceae</i>	4.87			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales, Rhodobacteraceae, Rhodobacter</i>	4.28			-
<i>Bacteria, Chloroflexi, TK10</i>	6.13			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Mycobacteriaceae</i>	6.10			-
<i>Bacteria, Chlorobi</i>	5.73			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Pseudomonadaceae, Pseudomonas</i>	5.90	LM	5.39	0.05
<i>Bacteria, Bacteroidetes, Bacteroidia</i>	5.09			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae</i>	6.08			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Gemmatimonadales, Gemmatimonadaceae, Gemmatirosa</i>	5.69			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiales_Incertae_Sedis, Candidatus_Microthrix</i>	3.72			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, SAR324_clade_Marine_group_B_</i>	4.28			-
<i>Bacteria, Chloroflexi, Gitt_GS_136</i>	5.14	CK	4.75	0.05
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, DS_100</i>	4.28			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales, Enterobacteriaceae, Kluyvera</i>	5.54			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Neisseriales</i>	4.19			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Rickettsiales_Incertae_Sedis, Candidatus_Odyssella</i>	4.70			-
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales</i>	5.77			-

<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae</i>	6.08			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, KD3_93</i>	4.28			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Xenophilus</i>	5.12			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, NS11_12_marine_group</i>	5.06			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Pseudoxanthomonas</i>	4.79	LM	4.74	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Solimonadaceae, Polycyclovorans</i>	4.62			-
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales, Spirochaetaceae, Spirochaeta_2</i>	5.19			-
<i>Bacteria, Nitrospirae</i>	6.12			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Methylophilales, Methylophilaceae, Methylobacillus</i>	5.44	LM	5.19	0.05
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Alicyclobacillaceae</i>	5.44			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacteriales, Xiphinematobacteraceae, Candidatus_Xiphinematobacter</i>	4.92			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Parapedobacter</i>	4.30			-
<i>Bacteria, Fibrobacteres, Fibrobacteria, Fibrobacterales, Fibrobacteraceae, possible_genus_04</i>	4.48			-
<i>Bacteria, Cyanobacteria, Cyanobacteria, SubsectionIII, FamilyI_o_SubsectionIII, Microcoleus</i>	3.95			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Emticicia</i>	4.16			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Clostridiaceae_1, Clostridium_sensu_stricto_1</i>	5.62			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Sporolactobacillaceae, Sporolactobacillus</i>	6.32	CK	6.00	0.05

<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Clostridiaceae_1, Clostridium_sensu_stricto_9</i>	4.25			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, JG30a_KF_32</i>	6.19			-
<i>Bacteria, Chlamydiae, Chlamydiae</i>	5.05	CK	4.74	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae, Acidisoma</i>	4.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Phyllobacteriaceae, Aminobacter</i>	5.82			-
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales, Porphyromonadaceae, Dysgonomonas</i>	0.00			-
<i>Bacteria, Chloroflexi, Anaerolineae, Anaerolineales</i>	5.96			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Flavisolibacter</i>	6.08			-
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales, Simkaniaceae</i>	4.23			-
<i>Bacteria, Chloroflexi, Anaerolineae, Anaerolineales, Anaerolineaceae</i>	5.95			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Elev_16S_1332</i>	4.92			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Ferruginibacter</i>	4.73			-
<i>Bacteria, Chloroflexi</i>	5.33			-
<i>Bacteria, Acidobacteria, Acidobacteria, Holophagales</i>	6.52	LM	6.08	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, 0319_6M6</i>	4.91			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Hydrogenophilales</i>	4.75			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhodobiaceae</i>	5.50			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Rhizorhapis</i>	4.67			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Empedobacter</i>	4.38			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Family_XII_o__Bacillales</i>	4.76			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Hyphomonadaceae</i>	4.16			-
<i>Bacteria, Chloroflexi, JG37_AG_4</i>	6.86			-
<i>Bacteria, Firmicutes, Clostridia</i>	4.82			-
<i>Bacteria, Chloroflexi, SHA_26</i>	4.63			-
<i>Bacteria, Chloroflexi, Caldilineae</i>	4.52			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Heliimonas</i>	4.16			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Brocadiales, Brocadiaceae</i>	3.86			-
<i>Bacteria, Omnitrophica</i>	3.58			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae, Paucimonas</i>	4.41			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, C0119</i>	6.27			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Iamiaceae</i>	4.98			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Acidothermaceae, Acidothermus</i>	6.18			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, JG30_KF_AS9</i>	6.99			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Planococcaceae, Sporosarcina</i>	5.30			-

<i>Bacteria, Saccharibacteria</i>	7.11			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Legionellaceae, Legionella</i>	4.64			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cyclobacteriaceae</i>	3.95			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Porticoccaceae, C1_B045</i>	4.26			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Micrococcaceae, Sinomonas</i>	4.54			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, RB446</i>	4.16			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Aeromonadales</i>	0.00			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfuromonadales, Geobacteraceae</i>	0.00			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Enterococcaceae, Enterococcus</i>	6.03			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae, Cohnella</i>	6.32			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Methylococcales, Methylococcaceae</i>	4.04			-
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales, Trueperaceae</i>	5.76			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae</i>	6.84			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Nevskiaceae</i>	6.41			-
<i>Bacteria, Firmicutes, Clostridia, Halanaerobiales, ODP1230B8_23</i>	6.62			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Christensenellaceae, Christensenellaceae_R_7_group</i>	3.58			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis, Bauldia</i>	5.21			-

<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bdellovibrionaceae, Bdellovibrio</i>	5.98			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, Xiphinematobacteraceae</i>	4.92			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Alcanivoracaceae, Alcanivorax</i>	5.92			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, SC_I_84</i>	6.74			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae</i>	5.31	CK	4.96	0.05
<i>Bacteria, Cyanobacteria, Cyanobacteria, SubsectionIII</i>	4.73	LM	4.69	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardioideaceae, Nocardioide</i>	6.03			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Thermomonosporaceae</i>	5.57			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfurellales, Desulfurellaceae, H16</i>	6.06			-
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1, Granulicella</i>	5.99			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, PAUC26f</i>	4.42			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Thiotrichales, Thiotrichaceae</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales, Actinospicaceae</i>	5.39	CK	4.98	0.05
<i>Bacteria, Firmicutes, Limnochordia, Limnochordales</i>	4.70			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardaceae, Pseudonocardia</i>	5.03			-
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales</i>	4.35			-
<i>Bacteria, Chlorobi, Chlorobia, Chlorobiales</i>	5.73			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, KCM_B_15</i>	4.51			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Aeromonadales, Aeromonadaceae</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales</i>	5.64			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae, Massilia</i>	5.97			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales</i>	5.45			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, FCPS473</i>	5.40			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Phycisphaerales, Phycisphaeraceae</i>	0.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylobacteriaceae, Microvirga</i>	4.85			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Sphingobium</i>	4.71			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Family_XVII, Sulfobacillus</i>	4.47			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Alcanivoracaceae</i>	5.92			-
<i>Bacteria, Nitrospirae, Nitrospira, Nitrospira</i>	6.12			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae, Variibacter</i>	5.48			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes</i>	4.66			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Rickettsiales_Incertae_Sedis</i>	4.70			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, CWT_CU03_E12</i>	5.31			-
<i>Bacteria, Chloroflexi, Ktedonobacteria</i>	5.33			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae, Acidiphilium</i>	4.85			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, I_10</i>	5.02			-
<i>Bacteria, Chloroflexi, Caldilineae, Caldilineales</i>	4.52			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfurellales, Desulfurellaceae</i>	6.06			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Holosporaceae</i>	4.68			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Lechevalieria</i>	4.86	LM	4.66	0.05
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales, Verrucomicrobiaceae, Haloferula</i>	4.16			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia</i>	7.51			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Ralstonia</i>	5.58			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Mycobacteriaceae, Mycobacterium</i>	6.10			-
<i>Bacteria, Chloroflexi, Anaerolineae</i>	5.96			-
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales, Porphyromonadaceae</i>	5.09			-
<i>Bacteria, Actinobacteria</i>	7.50			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Alphaproteobacteria_Incertae_Sedis</i>	4.82			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiaceae, CL500_29_marine_group</i>	4.45			-
<i>Bacteria, Acidobacteria, Acidobacteria, Subgroup_10</i>	5.25			-
<i>Bacteria, Cyanobacteria, Cyanobacteria</i>	5.90			-

<i>Bacteria, Acidobacteria, Acidobacteria, Subgroup_7</i>	5.88			-
<i>Bacteria</i>	6.00			-
Taxonomy	Mean	Group	LDA	P value
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae, Pseudoduganella</i>	4.21	OS	4.88	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae, Streptosporangium</i>	4.19			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Streptococcaceae</i>	6.04			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Archangiaceae</i>	4.44	CK	4.56	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Brucellaceae, Ochrobactrum</i>	4.43			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, YNPFFP1</i>	5.55			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae</i>	5.76			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Erythrobacteraceae, Altererythrobacter</i>	5.42			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Hahellaceae, Hahella</i>	3.68			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Peptostreptococcaceae, Paeniclostridium</i>	5.43	CK	5.11	0.05
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Longimicrobiales</i>	5.43			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae, Pseudolabrys</i>	7.07			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Lacibacter</i>	4.01			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiaceae</i>	4.82			-

<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Dokdonella</i>	5.67			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Zymomonas</i>	3.71			-
<i>Bacteria, Chlorobi, Chlorobia, Chlorobiales, OPB56</i>	5.65			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Phyllobacteriaceae</i>	6.57			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Nubsella</i>	3.88			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Kutzneria</i>	4.55			-
<i>Bacteria, Elusimicrobia, Elusimicrobia, Lineage_IIC</i>	3.55			-
<i>Bacteria, Elusimicrobia, Elusimicrobia, Lineage_IIB</i>	4.73			-
<i>Bacteria, Elusimicrobia, Elusimicrobia, Lineage_IIA</i>	3.88			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Rhodoplanes</i>	5.46			-
<i>Bacteria, Bacteroidetes</i>	4.88			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Nocardiaceae, Rhodococcus</i>	5.11			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales</i>	5.79			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, Ktedonobacteraceae</i>	6.55			-
<i>Bacteria, Verrucomicrobia, OPB35_soil_group, Pedosphaera</i>	4.44			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Moraxellaceae</i>	4.68	OS	4.71	0.04
<i>Bacteria, Acidobacteria, Acidobacteria, Subgroup_10, ABS_19</i>	5.25			-

<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae</i>	6.44			-
<i>Bacteria, Ignavibacteriae, Ignavibacteria, Ignavibacteriales</i>	3.55			-
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales</i>	6.48			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bdellovibrionaceae, OM27_clade</i>	4.33			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Dyadobacter</i>	4.53			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Sphingopyxis</i>	5.54			-
<i>Bacteria, Deinococcus_Thermus, Deinococci</i>	5.29			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Legionellaceae</i>	4.59			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Thiotrichales, EV818SWSAP88</i>	3.93			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Sphingobacterium</i>	5.20			-
<i>Bacteria, Verrucomicrobia, Opitutae</i>	5.74			-
<i>Bacteria, Verrucomicrobia, OPB35_soil_group</i>	6.19			-
<i>Bacteria, Planctomycetes, Phycisphaerae</i>	4.99			-
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales, Porphyromonadaceae, Petrimonas</i>	5.09			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Carnobacteriaceae</i>	4.41			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales</i>	5.15			-
<i>Bacteria, Candidatus_Berkelbacteria</i>	4.26			-

<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Dinghuibacter</i>	0.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis</i>	6.82	CK	6.32	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Moraxellaceae, Acinetobacter</i>	4.40	OS	4.91	0.04
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, P3OB_42</i>	5.33			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, MNG7</i>	4.42			-
<i>Bacteria, Actinobacteria, Actinobacteria, Gaiellales, Gaiellaceae</i>	6.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae</i>	6.60			-
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales, Catenulisporaceae, Catenulispora</i>	5.43			-
<i>Bacteria, Firmicutes, Erysipelotrichia</i>	5.30			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales</i>	5.40			-
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales, Deinococcaceae, Deinococcus</i>	3.71			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Sandaracinaceae</i>	6.11	CK	5.64	0.05
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Family_XII_o__Bacillales, Exiguobacterium</i>	4.76			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae</i>	6.19			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Arenibacter</i>	4.52	OS	4.49	0.04
<i>Bacteria, Armatimonadetes, Chthonomonadetes, Chthonomonadales, Chthonomonadaceae</i>	4.28			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Aquincola</i>	5.32			-

<i>Bacteria, Firmicutes, Bacilli, Lactobacillales</i>	6.34			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Bogoriellaceae</i>	3.98			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae</i>	5.75			-
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales, Catenulisporaceae</i>	5.43			-
<i>Bacteria, Verrucomicrobia, Spartobacteria</i>	6.39	CK	5.90	0.05
<i>Bacteria, Chlorobi, Chlorobia</i>	5.67			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Thiotrichales</i>	3.93			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales</i>	3.58			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Nevskiaceae, Alkanibacter</i>	6.18			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylobacteriaceae, Methylobacterium</i>	4.44			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Devosia</i>	4.46			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Segetibacter</i>	4.46			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae</i>	3.71			-
<i>Bacteria, Actinobacteria, Actinobacteria, Gaiellales</i>	6.78			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Cellvibrionaceae, Cellvibrio</i>	5.29	OS	4.91	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Muricauda</i>	4.67			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales</i>	6.83			-

<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, AKYH767</i>	4.45			-
<i>Bacteria, Acidobacteria, Acidobacteria</i>	6.86			-
<i>Bacteria, Firmicutes, Erysipelotrichia, Erysipelotrichales, Erysipelotrichaceae, Turicibacter</i>	5.30			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Porticoccaceae</i>	4.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Rickettsiaceae, Candidatus_Trichorickettsia</i>	0.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales, Rhodobacteraceae, Rubellimicrobium</i>	4.31			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis, Rhizomicrobium</i>	6.78	CK	6.25	0.05
<i>Bacteria, Deinococcus_Thermus</i>	5.29			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae_Subgroup_3_, AKIW659</i>	4.51	CK	5.06	0.04
<i>Bacteria, Chloroflexi, Thermomicrobia, Sphaerobacterales</i>	6.48			-
<i>Bacteria, Firmicutes, Erysipelotrichia, Erysipelotrichales, Erysipelotrichaceae</i>	5.30			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales, Rhodobacteraceae, Paracoccus</i>	4.43			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, Thermosporotrichaceae, Thermosporothrix</i>	4.72			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadales_Incertae_Sedis, Steroidobacter</i>	5.50			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Mitochondria</i>	3.58			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Sphingomonas</i>	7.34			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptomycetales, Streptomycetaceae, Streptomyces</i>	5.99			-

<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Pseudomonadaceae</i>	5.57			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, 1959_1</i>	4.47			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Tepidisphaerales</i>	6.10	CK	5.67	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Alphaproteobacteria_Incertae_Sedis, Micavibrio</i>	4.20			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Panacagrimonas</i>	5.43	OS	5.08	0.05
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, mle1_27</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Geodermatophilaceae</i>	5.65	CK	5.23	0.05
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacterales, Sphingobacteriaceae, Mucilaginibacter</i>	5.98			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Confluentibacter</i>	5.86	CK	5.36	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Lysobacter</i>	5.87			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Neisseriales, Neisseriaceae</i>	3.68			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Methylococcales</i>	4.01			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Erythrobacteraceae</i>	6.05			-
<i>Bacteria, Peregrinibacteria, Candidatus_Peribacteria</i>	4.98	OS	4.65	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Luteimonas</i>	6.04			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhodobiaceae, Parvibaculum</i>	5.71			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Demequinaceae, Lysinimicrobium</i>	4.73	OS	4.53	0.04

<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Crenotalea</i>	6.43	CK	6.10	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Arenimonas</i>	5.94			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Clostridiaceae_1</i>	4.54			-
<i>Bacteria, Chloroflexi, P2_11E</i>	4.67	CK	4.58	0.05
<i>Bacteria, Planctomycetes, Phycisphaerae, Phycisphaerales</i>	4.28			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Bacillaceae, Oceanobacillus</i>	4.64			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Variovorax</i>	4.52			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, Chthoniobacteraceae</i>	4.91	OS	4.69	0.04
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Cryomorphaceae, Fluviicola</i>	5.50	OS	5.20	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Delftia</i>	4.39			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Streptococcaceae, Streptococcus</i>	4.66			-
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales</i>	5.08			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Luteibacter</i>	4.28			-
<i>Bacteria, WS6</i>	4.40	OS	4.99	0.04
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Pusillimonas</i>	5.29			-
<i>Bacteria, Actinobacteria, Actinobacteria, Kineosporiales, Kineosporiaceae, Angustibacter</i>	5.69	CK	5.29	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, NS9_marine_group</i>	4.91	OS	4.57	0.04

<i>Bacteria, Actinobacteria, Actinobacteria, Streptomycetales</i>	6.35			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Arachidicoccus</i>	6.88			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Vitellibacter</i>	5.21	OS	4.93	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Pandoraea</i>	5.19			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Aquabacterium</i>	0.00			-
<i>Bacteria, Chloroflexi, Anaerolineae, Anaerolineales, Anaerolineaceae, Anaerolinea</i>	4.21			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae, Micromonospora</i>	4.98			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Bacillaceae, Bacillus</i>	6.10	CK	5.58	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Rhodocyclales, Rhodocyclaceae, Uliginosibacterium</i>	0.00			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae</i>	7.09			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, G12_WMSP1</i>	5.21	CK	4.83	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Hyphomonadaceae, Hirschia</i>	4.85			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Sporocytophaga</i>	5.23			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales</i>	5.62			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae</i>	6.02	CK	5.66	0.05
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales, Planctomycetaceae, Planctomyces</i>	3.59			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, DA111</i>	6.49			-

<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Saccharothrix</i>	4.54	OS	4.66	0.04
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae</i>	6.24			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Galbibacter</i>	4.38	OS	4.74	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadales_Incertae_Sedis, Acidibacter</i>	6.33			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Bacillaceae</i>	6.12	CK	5.61	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Sporichthyaceae</i>	5.57			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Rickettsiaceae</i>	0.00			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Christensenellaceae</i>	3.58			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, AKYH478</i>	4.16			-
<i>Bacteria, Acidobacteria, Acidobacteria, Vicinamibacter</i>	4.24			-
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales, Actinospicaceae, Actinospica</i>	5.46			-
<i>Bacteria, Ignavibacteriae, Ignavibacteria, Ignavibacteriales, BSV26</i>	4.94	OS	4.62	0.05
<i>Bacteria, Elusimicrobia, Elusimicrobia</i>	5.46			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae</i>	5.80			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales, Enterobacteriaceae, Serratia_fonticola_RB_25_group</i>	4.03			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Ohtaekwangia</i>	4.97	OS	4.76	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Oceanospirillaceae, Pseudohongiella</i>	5.62	OS	5.23	0.05

<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales</i>	6.15	CK	5.82	0.05
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1, Edaphobacter</i>	5.70	CK	5.35	0.05
<i>Bacteria, Acidobacteria, Acidobacteria, Holophagales, Holophagaceae</i>	6.07	OS	5.64	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Frankiaceae, Jatrophihabitans</i>	6.09			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Moraxellaceae, Psychrobacter</i>	4.72			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Planococcaceae</i>	5.83			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Planococcaceae, Solibacillus</i>	5.31			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae, Rhodovastum</i>	5.90	CK	5.53	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Hydrogenophilales, Hydrogenophilaceae, Thiobacillus</i>	4.75			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Sporolactobacillaceae, Tuberibacillus</i>	5.69	CK	5.38	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Intrasporangiaceae, Terrabacter</i>	5.35			-
<i>Bacteria, Chloroflexi, Elev_1554</i>	3.88			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Halomonadaceae</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Micrococcaceae</i>	6.16			-
<i>Bacteria, Chloroflexi, Thermomicrobia</i>	6.31	CK	5.71	0.05
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfurellales</i>	6.06			-
<i>Bacteria, Spirochaetae, Spirochaetes</i>	4.84			-

<i>Bacteria, Chloroflexi, Thermomicrobia, AKYG1722</i>	5.32			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Flavitalea</i>	5.20			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillales_Incertae_Sedis</i>	6.18			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Lachnospiraceae, Lachnospiraceae_NK3A20_group</i>	3.55			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales, Planctomycetaceae, Singulisphaera</i>	5.65			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Thermoactinomycetaceae, Shimazuella</i>	4.28			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae, Lysinimonas</i>	6.20	CK	5.64	0.05
<i>Bacteria, Firmicutes, Bacilli, C178B</i>	6.18	CK	5.90	0.05
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Peptostreptococcaceae</i>	5.30	CK	4.89	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Cupriavidus</i>	4.57			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Dyella</i>	6.74			-
<i>Bacteria, Verrucomicrobia</i>	6.63	CK	5.81	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Gsoil_1167</i>	3.96			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Burkholderia_Paraburkholderia</i>	6.36			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, Candidatus_Solibacter</i>	6.40			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Phaselicystidaceae</i>	4.16			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Nakamurellaceae</i>	5.31			-

<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales</i>	5.75			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Roseiarcaceae, Roseiarcus</i>	5.91	CK	5.46	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales</i>	0.00			-
<i>Bacteria, Planctomycetes, OM190</i>	3.68			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, TRA3_20</i>	5.92			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Pelomonas</i>	4.16			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales, Planctomycetaceae, Isosphaera</i>	5.10	CK	4.87	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Bogoriellaceae, Georgenia</i>	3.98			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, env_OPS_17</i>	5.23	OS	4.79	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Coxiellaceae</i>	5.84			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Gelidibacter</i>	5.01			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Stenotrophomonas</i>	5.56			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Verticia</i>	4.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Beijerinckiaceae, Methylovirgula</i>	5.32	CK	4.96	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales</i>	6.15			-
<i>Bacteria, Chloroflexi, Chloroflexia, Chloroflexales, Roseiflexaceae, Roseiflexus</i>	5.47			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiaceae</i>	5.80			-

<i>Bacteria, Planctomycetes, Planctomycetacia, Brocadiales</i>	0.00			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_</i>	5.42	OS	5.02	0.05
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae, Paenibacillus</i>	6.41			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Eel_36e1D6</i>	3.71			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Bradyrhizobiaceae</i>	5.40	CK	4.92	0.05
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, Tellurimicrobium</i>	4.72	OS	4.56	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Patulibacteraceae, Patulibacter</i>	4.64			-
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardiodaceae, Aeromicrobium</i>	5.76	OS	5.35	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Nitrosomonadales</i>	6.74			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylobacteriaceae</i>	4.95			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Cytophaga</i>	4.68			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Sporichthyaceae, Sporichthya</i>	4.67			-
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales, Leptospiraceae</i>	4.46			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Terrimonas</i>	5.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Brucellaceae</i>	4.43			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bradymonadales</i>	3.71			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales</i>	6.07			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylobacteriaceae, Meganema</i>	6.83			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, alphaI_cluster</i>	4.82			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bacteriovoracaceae, Peredibacter</i>	4.81			-
<i>Bacteria, Armatimonadetes, Fimbriimonadia, Fimbriimonadales</i>	5.13			-
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1, Acidobacterium</i>	6.19	CK	5.62	0.05
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, Bryobacter</i>	6.63	CK	6.13	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Nocardiaceae, Nocardia</i>	5.02			-
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales, Spirochaetaceae</i>	4.61			-
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales, Parachlamydiaceae, Neochlamydia</i>	4.24			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Alicyclobacillaceae, Tumebacillus</i>	5.11			-
<i>Bacteria, Parcubacteria, Candidatus_Nomurabacteria</i>	3.71			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae</i>	5.33			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Chitinophaga</i>	5.75			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, KF_JG30_B3</i>	5.26			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Methylophilales</i>	5.45			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, B12_WMSP1</i>	5.60	CK	5.21	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Methylophilales, Methylophilaceae</i>	4.48			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales, Rhodobacteraceae</i>	4.04			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Adhaeribacter</i>	0.00			-
<i>Bacteria, Armatimonadetes, Chthonomonadetes</i>	4.28			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Nocardiaceae, Smaragdicoscoccus</i>	4.81	OS	4.67	0.04
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Beijerinckiaceae</i>	5.33			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria</i>	5.32			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillaceae</i>	6.01			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Hyphomicrobium</i>	5.80	CK	5.36	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Aeromonadales, Aeromonadaceae, Aeromonas</i>	0.00			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Family_XIII, Mogibacterium</i>	4.20			-
<i>Bacteria, Proteobacteria, ARKICE_90</i>	3.71			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Hyphomonadaceae, Woodsholea</i>	4.70			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae, Caulobacter</i>	4.95			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Tahibacter</i>	4.31			-
<i>Bacteria, Ignavibacteriae</i>	4.96	OS	4.64	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Chryseobacterium</i>	5.26			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bacteriovoracaceae</i>	4.66	OS	4.68	0.04

<i>Bacteria, Proteobacteria, Betaproteobacteria</i>	4.71			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales</i>	6.17			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae</i>	6.06			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae, Labrys</i>	3.55			-
<i>Bacteria, TM6__Dependentiae__</i>	5.03			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Limnobacter</i>	5.18			-
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales, Deinococcaceae</i>	3.71			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Leadbetterella</i>	0.00			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Oligoflexales, 0319_6G20</i>	5.85			-
<i>Bacteria, Parcubacteria, Candidatus_Azambacteria</i>	4.53	OS	4.61	0.04
<i>Bacteria, Latescibacteria</i>	5.22			-
<i>Bacteria, Armatimonadetes</i>	4.21			-
<i>Bacteria, Firmicutes</i>	7.32			-
<i>Bacteria, Firmicutes, Clostridia, Halanaerobiales</i>	6.62	CK	6.16	0.05
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Haliangiaceae</i>	5.57			-
<i>Bacteria, GAL15</i>	5.85			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Tepidisphaerales, Tepidisphaeraceae</i>	6.10	CK	5.65	0.05

<i>Bacteria, Chloroflexi, S085</i>	4.99			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, Stenotrophobacter</i>	4.41			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Filimonas</i>	5.28			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Phycisphaerales, Phycisphaeraceae, SM1A02</i>	4.28			-
<i>Bacteria, Chloroflexi, Thermomicrobia, Sphaerobacterales, Sphaerobacteraceae, Nitrolancea</i>	5.86	CK	5.30	0.05
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Lachnospiraceae</i>	0.00			-
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales, Porphyromonadaceae, Parabacteroides</i>	3.55			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae, Pseudoxanthobacter</i>	3.71			-
<i>Bacteria, Firmicutes, Limnochordia</i>	4.70			-
<i>Bacteria, Fibrobacteres, Fibrobacteria, Fibrobacterales</i>	5.11	OS	4.85	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, SM2D12</i>	5.90	OS	5.46	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Neisseriales, Neisseriaceae, Vitreoscilla</i>	3.71			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, MNC12</i>	3.55			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Hahellaceae</i>	6.16			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Longimicrobiales, Longimicrobiaceae</i>	5.43			-
<i>Bacteria, Chlamydiae</i>	5.08			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Micrococcaceae, Arthrobacter</i>	5.46			-

<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Frankiaceae</i>	6.09			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Coxiellaceae, Coxiella</i>	4.50			-
<i>Bacteria, Firmicutes, Erysipelotrichia, Erysipelotrichales</i>	5.30			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Phyllobacteriaceae, Mesorhizobium</i>	6.48			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Polyangiaceae</i>	4.16			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylocystaceae</i>	4.36			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Geodermatophilaceae, Blastococcus</i>	5.66	CK	5.15	0.05
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Myxococcaceae</i>	3.93			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Phaselicystidaceae, Phaselicystis</i>	4.16			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Chryseolinea</i>	5.44	OS	5.02	0.05
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1, Candidatus_Koribacter</i>	5.37	CK	4.91	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Moraxellaceae, Perlucidibaca</i>	4.28			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Beijerinckiaceae, Methylosorus</i>	3.68			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Planococcaceae, Lysinibacillus</i>	5.42			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis, Agaricicola</i>	5.33			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Carnobacteriaceae, Carnobacterium</i>	4.41			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Eoetvosia</i>	5.26	CK	4.99	0.05

<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae, Nonomuraea</i>	4.61			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Pedobacter</i>	5.82			-
<i>Bacteria, Gemmatimonadetes</i>	7.35			-
<i>Bacteria, Parcubacteria</i>	6.41			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales</i>	6.16			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria</i>	3.71			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Bradyrhizobiaceae, Bradyrhizobium</i>	6.60	CK	6.05	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, FFCH11085</i>	4.52			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Acidothermaceae</i>	6.18			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bdellovibrionaceae</i>	5.77			-
<i>Bacteria, FCPU426</i>	5.00			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae, Aneurinibacillus</i>	4.19			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Iamiaceae, Iamia</i>	5.17			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, OM1_clade</i>	3.59			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Nitrosomonadales, Nitrosomonadaceae</i>	6.68			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Coxiellaceae, Rickettsiella</i>	4.89			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiaceae, Kaistia</i>	4.43			-

<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales</i>	6.66	OS	6.23	0.05
<i>Bacteria, Chloroflexi, Thermomicrobia, JG30_KF_CM45</i>	6.04			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Parasegetibacter</i>	4.03			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales</i>	6.40			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae</i>	6.59	OS	6.23	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, MND8</i>	4.16			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, NB1_j</i>	4.44	CK	4.59	0.04
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Paralcaligenes</i>	5.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis, Nordella</i>	5.16			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Thermoactinomycetaceae</i>	4.28			-
<i>Bacteria, Peregrinibacteria</i>	4.11			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Bradyrhizobiaceae, Bosea</i>	4.23			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Rhizobacter</i>	4.79			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Cellvibrionaceae, Simiduia</i>	4.75	OS	4.65	0.04
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Blfdi19</i>	4.82			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales</i>	6.19			-
<i>Bacteria, Armatimonadetes, Chthonomonadetes, Chthonomonadales</i>	4.28			-

<i>Bacteria, Proteobacteria, Betaproteobacteria, Methylophilales, Methylophilaceae, Methylothera</i>	4.88			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Oligoflexales</i>	5.96			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Rhodocyclales</i>	4.72			-
<i>Bacteria, Fibrobacteres, Fibrobacteria</i>	5.11	OS	4.80	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Rhodanobacter</i>	7.84	CK	7.44	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, Nitrosomonadales, Nitrosomonadaceae, Nitrosospira</i>	5.78			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfuromonadales, Geobacteraceae, Geobacter</i>	3.59			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Flavihumibacter</i>	4.34			-
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales, cvE6</i>	4.94			-
<i>Bacteria, Firmicutes, Limnochordia, Limnochordales, Limnochordaceae</i>	4.98	OS	4.63	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria</i>	6.51			-
<i>Bacteria, Actinobacteria, Actinobacteria</i>	5.78			-
<i>Bacteria, Chloroflexi, SBR2076</i>	5.52	CK	4.84	0.05
<i>Bacteria, Parcubacteria, Candidatus_Jorgensenbacteria</i>	4.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillaceae, Dongia</i>	5.20			-
<i>Bacteria, Acidobacteria</i>	7.53			-
<i>Bacteria, Chloroflexi, Chloroflexia, Chloroflexales, FFCH7168</i>	3.96			-

<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiales_Incertae_Sedis</i>	3.59			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Hydrogenophilales, Hydrogenophilaceae</i>	4.75			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae, Dactylosporangium</i>	4.54			-
<i>Bacteria, Cyanobacteria, Cyanobacteria, SubsectionIII, FamilyI_o__SubsectionIII</i>	4.63			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Intrasporangiaceae</i>	6.28			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Oceanospirillaceae</i>	5.62	OS	5.25	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Aequorivita</i>	5.85	OS	5.49	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales</i>	5.44	OS	5.11	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae, Leifsonia</i>	4.70			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Thermomonas</i>	5.02	OS	4.69	0.05
<i>Bacteria, Ignavibacteriae, Ignavibacteria</i>	4.96	OS	4.64	0.05
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Oligoflexales, Oligoflexaceae</i>	5.30			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, 27F_1492R</i>	4.36			-
<i>Bacteria, Fibrobacteres, Fibrobacteria, Fibrobacterales, Fibrobacteraceae</i>	4.77	OS	4.74	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardiodaceae, Marmoricola</i>	6.07			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae, Leucobacter</i>	3.58			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, B10_SB3A</i>	5.20	CK	4.80	0.05

<i>Bacteria, Chloroflexi, Caldilineae, Caldilineales, Caldilineaceae</i>	4.52			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Pseudopedobacter</i>	0.00			-
<i>Bacteria, Saccharibacteria, Candidatus_Saccharimonas</i>	3.59			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Amycolatopsis</i>	5.29			-
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1</i>	7.12	CK	6.54	0.05
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Family_XIII</i>	4.20			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Rhodomicrobium</i>	3.71			-
<i>Bacteria, Actinobacteria, Actinobacteria, Kineosporiales, Kineosporiaceae</i>	5.64			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae</i>	5.55			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae, Hamadaea</i>	4.78			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, RB41</i>	5.10			-
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales</i>	7.22	CK	6.59	0.05
<i>Bacteria, Nitrospirae, Nitrospira</i>	6.12			-
<i>Bacteria, Armatimonadetes, Chthonomonadetes, Chthonomonadales, Chthonomonadaceae, Chthonomonas</i>	4.28			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae, Humibacter</i>	5.67	CK	5.29	0.05
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, Paludibaculum</i>	4.53			-
<i>Bacteria, Fibrobacteres</i>	5.11	OS	4.82	0.05

<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales, Verrucomicrobiaceae, Verrucomicrobium</i>	0.00			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Frateuria</i>	6.30	CK	5.94	0.05
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bradymonadales, Bradymonadaceae, Bradymonas</i>	3.71			-
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales, Leptospiraceae, Turneriella</i>	4.46			-
<i>Bacteria, Cyanobacteria</i>	5.91			-
<i>Bacteria, Acidobacteria, Acidobacteria, Holophagales, Holophagaceae, Geothrix</i>	4.92			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Ottowia</i>	5.69	CK	5.27	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Thiotrichales, Thiotrichaceae, Beggiatoa</i>	0.00			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Moheibacter</i>	4.82			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae</i>	7.35			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Bradyrhizobiaceae, Rhodopseudomonas</i>	5.33			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillaceae, Ferro vibrio</i>	4.72	OS	4.93	0.04
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales</i>	5.32	CK	4.91	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia</i>	6.54			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillaceae, Inquilinus</i>	4.72			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Nitrosomonadales, Nitrosomonadaceae, Nitrosomonas</i>	4.26			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales</i>	5.88			-

<i>Bacteria, Firmicutes, Bacilli, Bacillales, Alicyclobacillaceae, Alicyclobacillus</i>	4.96			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Flavobacterium</i>	5.83			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, DSSF69</i>	4.69			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales, Enterobacteriaceae</i>	5.15			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Family_XVII</i>	4.59			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, TM146</i>	5.25			-
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales</i>	5.09			-
<i>Bacteria, Elusimicrobia</i>	5.46			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, B1_7BS</i>	3.93			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Hyphomicrobiaceae, Pedomicrobium</i>	4.46			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Solirubrobacteraceae</i>	3.93			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales, Enterobacteriaceae, Serratia</i>	3.59			-
<i>Bacteria, Chloroflexi, JG30_KF_CM66</i>	5.76			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae, Sphaerisporangium</i>	4.98			-
<i>Bacteria, BRC1</i>	4.62			-
<i>Bacteria, Planctomycetes</i>	6.46	CK	5.94	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae, Acidicardus</i>	5.02	CK	4.66	0.05

<i>Bacteria, Chloroflexi, Thermomicrobia, Sphaerobacterales, Sphaerobacteraceae</i>	5.86	CK	5.39	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Demequinaceae</i>	4.73	OS	4.53	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Nakamurellaceae, Nakamurella</i>	5.31			-
<i>Bacteria, Proteobacteria, JTB23</i>	4.91	OS	4.67	0.04
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Haliangiaceae, Haliangium</i>	5.22	OS	4.83	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, HTA4</i>	4.67			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Roseiarcaceae</i>	5.91	CK	5.43	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales</i>	5.87			-
<i>Bacteria, Chloroflexi, KD4_96</i>	6.32			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Enterococcaceae</i>	6.03			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Thermomonosporaceae, Actinomadura</i>	5.57	CK	5.21	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales</i>	6.89			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae, Phenylobacterium</i>	5.89			-
<i>Bacteria, Armatimonadetes, Fimbriimonadia</i>	5.13			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiaceae, Ilumatobacter</i>	4.49			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, HSB_OF53_F07</i>	6.40	CK	5.93	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Halomonadaceae, Halomonas</i>	0.00			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, JG37_AG_20</i>	5.77			-
<i>Bacteria, Microgenomates</i>	5.46			-
<i>Bacteria, Cyanobacteria, Cyanobacteria, SubsectionIII, FamilyI_o__SubsectionIII, Phormidium</i>	0.00			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Brocadiales, Brocadiaceae, Candidatus_Kuenenia</i>	6.16			-
<i>Bacteria, Parcubacteria, Candidatus_Magasanikbacteria</i>	4.75			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, Chthoniobacteraceae, Chthoniobacter</i>	4.98			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptomycetales, Streptomycetaceae</i>	6.09			-
<i>Bacteria, Firmicutes, Bacilli</i>	3.96			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Solimonadaceae, Solimonas</i>	3.88			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfuromonadales</i>	3.59			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Candidimonas</i>	6.40	CK	6.09	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Cellvibrionaceae</i>	5.40	OS	5.05	0.05
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Taibaiella</i>	6.76			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Dermacoccaceae, Flexivirga</i>	5.63	CK	5.29	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Cellulomonadaceae, Actinotalea</i>	4.32			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiaceae, Rhizobium</i>	5.78			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales</i>	5.39			-

<i>Bacteria, Chloroflexi, Chloroflexia</i>	5.48			-
<i>Bacteria, Verrucomicrobia, Opitutae, Opitutales, Opitutaceae</i>	5.74			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Gemmatimonadales, Gemmatimonadaceae, Gemmatimonas</i>	0.00			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Novosphingobium</i>	5.20			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4</i>	6.09			-
<i>Bacteria, Spirochaetae</i>	4.84			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales</i>	5.90			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Dermacoccaceae</i>	5.63	CK	5.32	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadales_Incertae_Sedis</i>	6.37			-
<i>Bacteria, Planctomycetes, BD7_11</i>	4.18			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Ramlibacter</i>	6.00			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, Thermosporotrichaceae</i>	5.56			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Comamonas</i>	3.59			-
<i>Bacteria, Actinobacteria, Actinobacteria, Gaiellales, Gaiellaceae, Gaiella</i>	6.00			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales</i>	5.96			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales</i>	3.98			-
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales, Verrucomicrobiaceae</i>	4.28			-

<i>Bacteria, Proteobacteria</i>	6.04			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Castellaniella</i>	7.06			-
<i>Bacteria, Elusimicrobia, Elusimicrobia, Lineage_IV</i>	5.36			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Phyllobacteriaceae, Aquamicrobium</i>	5.42			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bradymonadales, Bradymonadaceae</i>	3.71			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae, Luedemannella</i>	4.99			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Sandaracinaceae, Sandaracinus</i>	4.40			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales, Planctomycetaceae</i>	6.00	CK	5.52	0.05
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Gemmatimonadales, Gemmatimonadaceae</i>	7.01			-
<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Streptococcaceae, Lactococcus</i>	6.02			-
<i>Bacteria, Chlorobi, Chlorobia, Chlorobiales, SJA_28</i>	4.38	OS	4.81	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Solirubrobacteraceae, Solirubrobacter</i>	3.93			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, DA101_soil_group</i>	6.35	CK	5.90	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardiodaceae, Kribbella</i>	5.20			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, PHOS_HE51</i>	3.86			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Sediminibacterium</i>	5.23			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Cellulomonadaceae</i>	4.32			-

<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales</i>	6.18			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Gemmatimonadales</i>	7.35			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, 1921_3</i>	5.66			-
<i>Bacteria, Bacteroidetes, Cytophagia</i>	6.66	OS	6.25	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Cryomorphaceae, Wandonia</i>	5.52			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae, Asticcacaulis</i>	5.27			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Nevskiaceae, Nevskia</i>	4.16			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Solimonadaceae</i>	5.02			-
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales, Trueperaceae, Truepera</i>	5.29			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Caulobacteraceae, Brevundimonas</i>	5.50			-
<i>Bacteria, Chloroflexi, Chloroflexia, Chloroflexales, Roseiflexaceae</i>	5.47			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Cryomorphaceae</i>	0.00			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Polyangiaceae, Sorangium</i>	4.80			-
<i>Bacteria, Acidobacteria, Acidobacteria, Holophagales, Holophagaceae, Holophaga</i>	6.10			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, BacC_u_018</i>	5.19	CK	4.88	0.05
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales</i>	6.54			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Methylococcales, Methylococcaceae, Methylocaldum</i>	4.84			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales</i>	6.09			-
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales, Verrucomicrobiaceae, Luteolibacter</i>	3.68			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Rhodospirillales_Incertae_Sedis, Reyranella</i>	6.18			-
<i>Bacteria, FBP</i>	5.80	CK	5.33	0.05
<i>Bacteria, Armatimonadetes, Fimbriimonadia, Fimbriimonadales, Fimbriimonadaceae</i>	5.13			-
<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales, Parachlamydiaceae</i>	4.24			-
<i>Bacteria, Verrucomicrobia, Opitutae, Opitutales, Opitutaceae, Opitutus</i>	5.74			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales</i>	6.20	CK	5.64	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Mizugakiibacter</i>	7.65			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Phycisphaerales, Phycisphaeraceae, Phycisphaera</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardiodaceae</i>	6.48			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae, Duganella</i>	0.00			-
<i>Bacteria, Verrucomicrobia, Opitutae, Opitutales</i>	5.74			-
<i>Bacteria, Parcubacteria, Candidatus_Campbellbacteria</i>	5.78	OS	5.51	0.04
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Promicromonosporaceae</i>	4.29			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Parafilimonas</i>	4.01			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales</i>	4.80			-

<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Archangiaceae, Anaeromyxobacter</i>	5.55			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Coxiellaceae, Aquicella</i>	5.77			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Sporolactobacillaceae</i>	6.41	CK	6.14	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Rudaea</i>	4.26			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales</i>	7.07			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, BIRii41</i>	4.94	OS	4.67	0.04
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae, Achromobacter</i>	5.06			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae, Brevibacillus</i>	6.35			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Promicromonosporaceae, Cellulosimicrobium</i>	4.29			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Thermogemmatissporales</i>	5.40			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Rhodocyclales, Rhodocyclaceae</i>	4.72			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Myxococcales, Nannocystaceae</i>	4.25	OS	4.71	0.04
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, 11_24</i>	5.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Mycobacteriaceae</i>	6.10			-
<i>Bacteria, Chlorobi</i>	4.28			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Niastella</i>	4.72			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Patulibacteraceae</i>	4.64			-

<i>Bacteria, Chloroflexi, Chloroflexia, Chloroflexales</i>	5.48			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Pricia</i>	5.89	OS	5.51	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales</i>	5.91			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Thermogemmatissporales, 1921_2</i>	5.40			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Streptosporangiaceae, Microbispora</i>	5.96	CK	5.63	0.05
<i>Bacteria, Cyanobacteria, Cyanobacteria, Vampirovibrionales</i>	4.74			-
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae</i>	4.28			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Nocardiaceae</i>	5.46			-
<i>Bacteria, Planctomycetes, Planctomycetacia</i>	6.20	CK	5.63	0.05
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Saprospiraceae</i>	5.21	OS	4.86	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodobacterales, Rhodobacteraceae, Rhodobacter</i>	4.28			-
<i>Bacteria, Chloroflexi, TK10</i>	6.13			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Comamonadaceae, Xenophilus</i>	4.85			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, NS11_12_marine_group</i>	5.67			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Pseudomonadaceae, Pseudomonas</i>	5.57			-
<i>Bacteria, Bacteroidetes, Bacteroidia</i>	5.09			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Microbacteriaceae</i>	6.08	CK	5.68	0.05

<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes, Gemmatimonadales, Gemmatimonadaceae, Gemmatirosa</i>	5.69			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiales_Incertae_Sedis, Candidatus_Microthrix</i>	3.59			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, SAR324_clade_Marine_group_B_</i>	4.40			-
<i>Bacteria, Chloroflexi, Gitt_GS_136</i>	5.14			-
<i>Bacteria, Acidobacteria, Acidobacteria, Blastocatellales, Blastocatellaceae__Subgroup_4, DS_100</i>	3.55			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales, Enterobacteriaceae, Kluyvera</i>	5.10			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Neisseriales</i>	3.96			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Rickettsiales_Incertae_Sedis, Candidatus_Odyssella</i>	4.26			-
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales</i>	5.29			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Alcaligenaceae</i>	5.95			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, KD3_93</i>	4.67			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, JG30a_KF_32</i>	6.19	CK	5.72	0.05
<i>Bacteria, Chlamydiae, Chlamydiae</i>	5.12			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Xanthomonadaceae, Pseudoxanthomonas</i>	4.78	OS	4.63	0.05
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Solimonadaceae, Polycyclovorans</i>	4.99			-
<i>Bacteria, Spirochaetae, Spirochaetes, Spirochaetales, Spirochaetaceae, Spirochaeta_2</i>	4.61			-
<i>Bacteria, Nitrospirae</i>	6.12			-

<i>Bacteria, Proteobacteria, Betaproteobacteria, Methylophilales, Methylophilaceae, Methylobacillus</i>	5.06	OS	4.69	0.05
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Alicyclobacillaceae</i>	5.34	CK	5.02	0.05
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, Xiphinematobacteraceae, Candidatus_Xiphinematobacter</i>	4.92			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Sphingobacteriaceae, Parapedobacter</i>	4.48	OS	4.80	0.04
<i>Bacteria, Fibrobacteres, Fibrobacteria, Fibrobacterales, Fibrobacteraceae, possible_genus_04</i>	4.84	OS	4.54	0.05
<i>Bacteria, Cyanobacteria, Cyanobacteria, SubsectionIII, FamilyI_o__SubsectionIII, Microcoleus</i>	0.00			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cytophagaceae, Emticicia</i>	4.16			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Clostridiaceae_1, Clostridium_sensu_stricto_1</i>	5.62	CK	5.13	0.05
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Sporolactobacillaceae, Sporolactobacillus</i>	6.32	CK	6.05	0.04
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Clostridiaceae_1, Clostridium_sensu_stricto_9</i>	4.06			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Rhizorhapis</i>	4.67			-
<i>Bacteria, Bacteroidetes, Flavobacteriia, Flavobacteriales, Flavobacteriaceae, Empedobacter</i>	5.08			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae, Acidisoma</i>	4.26			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Phyllobacteriaceae, Aminobacter</i>	5.60			-
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales, Porphyromonadaceae, Dysgonomonas</i>	0.00			-
<i>Bacteria, Chloroflexi, Anaerolineae, Anaerolineales</i>	5.91			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Flavisolibacter</i>	5.96			-

<i>Bacteria, Chlamydiae, Chlamydiae, Chlamydiales, Simkaniaceae</i>	4.73	OS	4.56	0.05
<i>Bacteria, Chloroflexi, Anaerolineae, Anaerolineales, Anaerolineaceae</i>	5.91			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, Elev_16S_1332</i>	4.53			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Ferruginibacter</i>	4.59			-
<i>Bacteria, Chloroflexi</i>	5.33			-
<i>Bacteria, Acidobacteria, Acidobacteria, Holophagales</i>	6.40			-
<i>Bacteria, Actinobacteria, Actinobacteria, Solirubrobacterales, 0319_6M6</i>	4.90			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Hydrogenophilales</i>	4.75			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhodobiaceae</i>	5.50			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Planococcaceae, Sporosarcina</i>	5.30			-
<i>Bacteria, Saccharibacteria</i>	4.38			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Family_XII_o__Bacillales</i>	4.76			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Caulobacterales, Hyphomonadaceae</i>	4.16			-
<i>Bacteria, Chloroflexi, JG37_AG_4</i>	6.86			-
<i>Bacteria, Firmicutes, Clostridia</i>	4.93			-
<i>Bacteria, Chloroflexi, SHA_26</i>	4.63			-
<i>Bacteria, Chloroflexi, Caldilineae</i>	4.52			-

<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, Chitinophagaceae, Heliimonas</i>	4.16			-
<i>Bacteria, Planctomycetes, Planctomycetacia, Brocadiales, Brocadiaceae</i>	0.00			-
<i>Bacteria, Omnitrphica</i>	3.58			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae, Paucimonas</i>	4.47			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, C0119</i>	6.27	CK	5.69	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Iamiaceae</i>	5.17			-
<i>Bacteria, Actinobacteria, Actinobacteria, Frankiales, Acidothermaceae, Acidothermus</i>	6.18			-
<i>Bacteria, Chloroflexi, Ktedonobacteria, JG30_KF_AS9</i>	6.99	CK	6.57	0.05
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Christensenellaceae, Christensenellaceae_R_7_group</i>	3.58			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizobiales_Incertae_Sedis, Bauldia</i>	7.11			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Legionellales, Legionellaceae, Legionella</i>	4.59			-
<i>Bacteria, Bacteroidetes, Cytophagia, Cytophagales, Cyclobacteriaceae</i>	4.24			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Cellvibrionales, Porticoccaceae, C1_B045</i>	4.26			-
<i>Bacteria, Actinobacteria, Actinobacteria, Micrococcales, Micrococcaceae, Sinomonas</i>	4.34			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, RB446</i>	4.16			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Aeromonadales</i>	0.00			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfuromonadales, Geobacteraceae</i>	3.59			-

<i>Bacteria, Firmicutes, Bacilli, Lactobacillales, Enterococcaceae, Enterococcus</i>	6.03			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae, Cohnella</i>	6.32			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Methylococcales, Methylococcaceae</i>	4.01			-
<i>Bacteria, Deinococcus_Thermus, Deinococci, Deinococcales, Trueperaceae</i>	5.29			-
<i>Bacteria, Firmicutes, Bacilli, Bacillales, Paenibacillaceae</i>	6.84			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Xanthomonadales, Nevskiaceae</i>	6.18			-
<i>Bacteria, Firmicutes, Clostridia, Halanaerobiales, ODP1230B8_23</i>	6.62	CK	6.15	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Pseudonocardia</i>	4.91			-
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales</i>	5.13	CK	4.77	0.05
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales, Bdellovibrionaceae, Bdellovibrio</i>	5.76			-
<i>Bacteria, Verrucomicrobia, Spartobacteria, Chthoniobacterales, Xiphinematobacteraceae</i>	4.92			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Alcanivoracaceae, Alcanivorax</i>	5.92	CK	5.67	0.05
<i>Bacteria, Proteobacteria, Betaproteobacteria, SC_I_84</i>	6.74	CK	6.31	0.05
<i>Bacteria, Actinobacteria, Actinobacteria, Micromonosporales, Micromonosporaceae</i>	5.31			-
<i>Bacteria, Cyanobacteria, Cyanobacteria, SubsectionIII</i>	4.63			-
<i>Bacteria, Actinobacteria, Actinobacteria, Propionibacteriales, Nocardiodaceae, Nocardioides</i>	6.05			-
<i>Bacteria, Actinobacteria, Actinobacteria, Streptosporangiales, Thermomonosporaceae</i>	5.57	CK	5.23	0.05

<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfurellales, Desulfurellaceae, H16</i>	6.06			-
<i>Bacteria, Acidobacteria, Acidobacteria, Acidobacteriales, Acidobacteriaceae__Subgroup_1, Granulicella</i>	5.99			-
<i>Bacteria, Acidobacteria, Acidobacteria, Solibacterales, Solibacteraceae__Subgroup_3_, PAUC26f</i>	4.89	OS	4.86	0.04
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Thiotrichales, Thiotrichaceae</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Catenulisporales, Actinospicaceae</i>	5.46			-
<i>Bacteria, Firmicutes, Limnochordia, Limnochordales</i>	4.70			-
<i>Bacteria, Gemmatimonadetes, Gemmatimonadetes</i>	4.93			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Rickettsiales_Incertae_Sedis</i>	4.28			-
<i>Bacteria, Chlorobi, Chlorobia, Chlorobiales</i>	5.67			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, KCM_B_15</i>	4.48			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Aeromonadales, Aeromonadaceae</i>	0.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales</i>	5.55			-
<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Oxalobacteraceae, Massilia</i>	5.90			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales</i>	5.89	OS	5.44	0.05
<i>Bacteria, Chloroflexi, Ktedonobacteria, Ktedonobacterales, FCPS473</i>	5.31			-
<i>Bacteria, Planctomycetes, Phycisphaerae, Phycisphaerales, Phycisphaeraceae</i>	3.55			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Methylobacteriaceae, Microvirga</i>	4.85			-

<i>Bacteria, Proteobacteria, Alphaproteobacteria, Sphingomonadales, Sphingomonadaceae, Sphingobium</i>	4.71			-
<i>Bacteria, Firmicutes, Clostridia, Clostridiales, Family_XVII, Sulfobacillus</i>	4.59			-
<i>Bacteria, Proteobacteria, Gammaproteobacteria, Oceanospirillales, Alcanivoracaceae</i>	5.92	CK	5.62	0.05
<i>Bacteria, Nitrospirae, Nitrospira, Nitrospira</i>	6.12			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Xanthobacteraceae, Variibacter</i>	5.48			-
<i>Bacteria</i>	6.00			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Mycobacteriaceae, Mycobacterium</i>	4.26			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia, Sphingobacteriales, CWT_CU03_E12</i>	5.46			-
<i>Bacteria, Chloroflexi, Ktedonobacteria</i>	5.33	CK	4.96	0.05
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, Acetobacteraceae, Acidiphilium</i>	4.85			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rhodospirillales, I_10</i>	5.02			-
<i>Bacteria, Chloroflexi, Caldilineae, Caldilineales</i>	4.52			-
<i>Bacteria, Proteobacteria, Deltaproteobacteria, Desulfurellales, Desulfurellaceae</i>	6.06			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Rickettsiales, Holosporaceae</i>	4.52			-
<i>Bacteria, Actinobacteria, Actinobacteria, Pseudonocardiales, Pseudonocardiaceae, Lechevalieria</i>	4.68	OS	4.52	0.05
<i>Bacteria, Verrucomicrobia, Verrucomicrobiae, Verrucomicrobiales, Verrucomicrobiaceae, Haloferula</i>	4.16			-
<i>Bacteria, Bacteroidetes, Sphingobacteriia</i>	7.51			-

<i>Bacteria, Proteobacteria, Betaproteobacteria, Burkholderiales, Burkholderiaceae, Ralstonia</i>	5.58			-
<i>Bacteria, Actinobacteria, Actinobacteria, Corynebacteriales, Mycobacteriaceae, Mycobacterium</i>	6.10			-
<i>Bacteria, Chloroflexi, Anaerolineae</i>	5.91			-
<i>Bacteria, Bacteroidetes, Bacteroidia, Bacteroidales, Porphyromonadaceae</i>	5.09			-
<i>Bacteria, Actinobacteria</i>	7.50			-
<i>Bacteria, Proteobacteria, Alphaproteobacteria, Alphaproteobacteria_Incertae_Sedis</i>	4.76			-
<i>Bacteria, Actinobacteria, Actinobacteria, Acidimicrobiales, Acidimicrobiaceae, CL500_29_marine_group</i>	4.55			-
<i>Bacteria, Acidobacteria, Acidobacteria, Subgroup_10</i>	5.25			-
<i>Bacteria, Cyanobacteria, Cyanobacteria</i>	5.90			-
<i>Bacteria, Acidobacteria, Acidobacteria, Subgroup_7</i>	5.88			-
<i>Bacteria</i>	6.00			-