**Table S2**. 16s common OTUs between samples, and their taxonomic identification. k: kingdom; p: phylum; c: class; o: order; f: family; g: genus; s:species.

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| OTU Number | Taxonomic identification |
| OTU\_1 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_Bradyrhizobium; s\_\_Bradyrhizobium\_elkanii |
| OTU\_2 | k\_\_Bacteria; p\_\_Spirochaetota; c\_\_Brevinematia; o\_\_Brevinematales; f\_\_Brevinemataceae; g\_\_Brevinema; s\_\_ |
| OTU\_3 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae |
| OTU\_4 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_5 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus; s\_\_ |
| OTU\_6 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_0319-7L14; f\_\_0319-7L14; g\_\_0319-7L14; s\_\_ |
| OTU\_7 | k\_\_Bacteria; p\_\_Cyanobacteria; c\_\_Cyanobacteriia; o\_\_Chloroplast; f\_\_Chloroplast; g\_\_Chloroplast |
| OTU\_8 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_9 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiaceae; g\_\_Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium |
| OTU\_10 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiaceae; g\_\_Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium |
| OTU\_11 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia |
| OTU\_12 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus; s\_\_ |
| OTU\_13 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_AD3; o\_\_AD3; f\_\_AD3; g\_\_AD3; s\_\_ |
| OTU\_14 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Pseudonocardiales; f\_\_Pseudonocardiaceae; g\_\_Crossiella; s\_\_ |
| OTU\_15 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_16 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_17 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Sphingomonadales; f\_\_Sphingomonadaceae; g\_\_Sphingomonas; s\_\_ |
| OTU\_18 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_19 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_20 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Reyranellales; f\_\_Reyranellaceae; g\_\_Reyranella; s\_\_ |
| OTU\_21 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_22 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_23 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_; s\_\_ |
| OTU\_24 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Micropepsales; f\_\_Micropepsaceae; g\_\_; s\_\_ |
| OTU\_25 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_26 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Hyphomicrobiaceae; g\_\_Pedomicrobium; s\_\_ |
| OTU\_27 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter; s\_\_ |
| OTU\_28 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_29 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Hyphomicrobiaceae; g\_\_Hyphomicrobium; s\_\_Hyphomicrobium\_facile |
| OTU\_30 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_; f\_\_; g\_\_ |
| OTU\_31 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae |
| OTU\_32 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_33 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_AD3; o\_\_AD3; f\_\_AD3; g\_\_AD3; s\_\_ |
| OTU\_36 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_37 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Pseudonocardiales; f\_\_Pseudonocardiaceae; g\_\_Amycolatopsis; s\_\_Amycolatopsis\_mediterranei |
| OTU\_38 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_39 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus |
| OTU\_40 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Micrococcales; f\_\_Micrococcaceae; g\_\_Pseudarthrobacter; s\_\_Arthrobacter\_sp. |
| OTU\_41 | k\_\_Archaea; p\_\_Crenarchaeota; c\_\_Nitrososphaeria; o\_\_Nitrosotaleales; f\_\_Nitrosotaleaceae; g\_\_Nitrosotaleaceae; s\_\_ |
| OTU\_42 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_43 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Bacillus; s\_\_Bacillus\_thuringiensis |
| OTU\_44 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Labraceae; g\_\_Labrys |
| OTU\_45 | k\_\_Archaea; p\_\_Crenarchaeota; c\_\_Nitrososphaeria; o\_\_Nitrosotaleales; f\_\_Nitrosotaleaceae; g\_\_Candidatus\_Nitrosotalea; s\_\_ |
| OTU\_46 | k\_\_Bacteria; p\_\_Methylomirabilota; c\_\_Methylomirabilia; o\_\_Rokubacteriales; f\_\_Rokubacteriales; g\_\_Rokubacteriales; s\_\_ |
| OTU\_47 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus |
| OTU\_48 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Corynebacteriales; f\_\_Mycobacteriaceae; g\_\_Mycobacterium |
| OTU\_49 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Propionibacteriales; f\_\_Propionibacteriaceae; g\_\_Cutibacterium; s\_\_Cutibacterium\_acnes |
| OTU\_51 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_52 | k\_\_Archaea; p\_\_Crenarchaeota; c\_\_Nitrososphaeria; o\_\_Nitrososphaerales; f\_\_Nitrososphaeraceae; g\_\_Nitrososphaeraceae; s\_\_ |
| OTU\_53 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_54 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Dongiales; f\_\_Dongiaceae; g\_\_Dongia |
| OTU\_56 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_57 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter; s\_\_ |
| OTU\_58 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_AD3; o\_\_AD3; f\_\_AD3; g\_\_AD3; s\_\_ |
| OTU\_59 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_60 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_62 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_63 | k\_\_Bacteria; p\_\_WPS-2; c\_\_WPS-2; o\_\_WPS-2; f\_\_WPS-2; g\_\_WPS-2; s\_\_ |
| OTU\_64 | k\_\_Archaea; p\_\_Thermoplasmatota; c\_\_Thermoplasmata; o\_\_Methanomassiliicoccales; f\_\_; g\_\_; s\_\_ |
| OTU\_65 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Beijerinckiaceae; g\_\_Roseiarcus; s\_\_ |
| OTU\_66 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_Puia; s\_\_ |
| OTU\_68 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_69 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1) |
| OTU\_71 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_; s\_\_ |
| OTU\_72 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Streptomycetales; f\_\_Streptomycetaceae; g\_\_Streptomyces |
| OTU\_73 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_WD260; f\_\_WD260; g\_\_WD260; s\_\_ |
| OTU\_74 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Devosiaceae; g\_\_Devosia; s\_\_ |
| OTU\_75 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Thermoanaerobaculia; o\_\_Thermoanaerobaculales; f\_\_Thermoanaerobaculaceae; g\_\_Subgroup\_10 |
| OTU\_76 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_AD3; o\_\_AD3; f\_\_AD3; g\_\_AD3; s\_\_ |
| OTU\_77 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_IS-44; s\_\_ |
| OTU\_78 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Streptomycetales; f\_\_Streptomycetaceae; g\_\_Streptomyces |
| OTU\_79 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_KF-JG30-B3; g\_\_KF-JG30-B3; s\_\_ |
| OTU\_80 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Pseudonocardiales; f\_\_Pseudonocardiaceae; g\_\_Kutzneria; s\_\_Kutzneria\_albida |
| OTU\_82 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiaceae; g\_\_Mesorhizobium; s\_\_Mesorhizobium\_huakuii |
| OTU\_84 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Streptosporangiales; f\_\_Streptosporangiaceae; g\_\_Streptosporangium |
| OTU\_85 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus; s\_\_Actinomycetales\_bacterium |
| OTU\_86 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_; s\_\_ |
| OTU\_87 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Corynebacteriales; f\_\_Mycobacteriaceae; g\_\_Mycobacterium |
| OTU\_88 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_89 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_90 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_91 | k\_\_Bacteria; p\_\_Nitrospirota; c\_\_Nitrospiria; o\_\_Nitrospirales; f\_\_Nitrospiraceae; g\_\_Nitrospira |
| OTU\_92 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_bacterium\_Ellin6515 |
| OTU\_93 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Bacillus |
| OTU\_94 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_bacterium\_Ellin6517 |
| OTU\_95 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_97 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_99 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_100 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_101 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_102 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_103 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Streptosporangiales; f\_\_Thermomonosporaceae; g\_\_Actinoallomurus |
| OTU\_104 | k\_\_Bacteria; p\_\_Methylomirabilota; c\_\_Methylomirabilia; o\_\_Rokubacteriales; f\_\_Rokubacteriales; g\_\_Rokubacteriales; s\_\_ |
| OTU\_105 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Micromonosporales; f\_\_Micromonosporaceae; g\_\_Actinocatenispora |
| OTU\_106 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_MND1; s\_\_ |
| OTU\_107 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_108 | k\_\_Bacteria; p\_\_Cyanobacteria; c\_\_Cyanobacteriia; o\_\_Chloroplast; f\_\_Chloroplast; g\_\_Chloroplast |
| OTU\_109 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae |
| OTU\_111 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_112 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_113 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_GOUTA6; s\_\_ |
| OTU\_114 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_116 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Beijerinckiaceae; g\_\_Methylobacterium-Methylorubrum |
| OTU\_118 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales |
| OTU\_119 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_120 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Burkholderiaceae; g\_\_Burkholderia-Caballeronia-Paraburkholderia; s\_\_Paraburkholderia\_terrae |
| OTU\_121 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Burkholderiaceae; g\_\_Burkholderia-Caballeronia-Paraburkholderia; s\_\_Paraburkholderia\_caledonica |
| OTU\_122 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Sphingomonadales; f\_\_Sphingomonadaceae; g\_\_Sphingomonas |
| OTU\_123 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_124 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Micromonosporales; f\_\_Micromonosporaceae |
| OTU\_125 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_126 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Sutterellaceae; g\_\_; s\_\_ |
| OTU\_127 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Xanthomonadales; f\_\_Rhodanobacteraceae |
| OTU\_128 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Myxococcia; o\_\_Myxococcales; f\_\_Anaeromyxobacteraceae; g\_\_Anaeromyxobacter; s\_\_ |
| OTU\_129 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_130 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Acidipila; s\_\_ |
| OTU\_131 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales |
| OTU\_132 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_Pseudolabrys; s\_\_ |
| OTU\_133 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Bacillus |
| OTU\_134 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Caulobacteraceae; g\_\_; s\_\_ |
| OTU\_135 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_138 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Occallatibacter; s\_\_ |
| OTU\_139 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Propionibacteriales; f\_\_Nocardioidaceae; g\_\_Nocardioides; s\_\_ |
| OTU\_140 | k\_\_Archaea; p\_\_Crenarchaeota; c\_\_Nitrososphaeria; o\_\_Group\_1.1c; f\_\_Group\_1.1c; g\_\_Group\_1.1c; s\_\_ |
| OTU\_141 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_143 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_144 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_146 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_Gaiellaceae; g\_\_Gaiella; s\_\_ |
| OTU\_147 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_MND1; s\_\_ |
| OTU\_148 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_149 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_150 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_151 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales |
| OTU\_152 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Burkholderiaceae; g\_\_Burkholderia-Caballeronia-Paraburkholderia |
| OTU\_154 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_AD3; o\_\_AD3; f\_\_AD3; g\_\_AD3; s\_\_ |
| OTU\_155 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_TK10; o\_\_TK10; f\_\_TK10; g\_\_TK10 |
| OTU\_156 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_ADurb.Bin063-1; s\_\_ |
| OTU\_157 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Koribacteraceae; g\_\_Candidatus\_Koribacter; s\_\_ |
| OTU\_158 | k\_\_Bacteria; p\_\_Nitrospirota; c\_\_Nitrospiria; o\_\_Nitrospirales; f\_\_Nitrospiraceae; g\_\_Nitrospira; s\_\_ |
| OTU\_159 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_160 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_Puia; s\_\_ |
| OTU\_161 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_163 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus; s\_\_ |
| OTU\_164 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Micropepsales; f\_\_Micropepsaceae; g\_\_; s\_\_ |
| OTU\_165 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_JG30-KF-AS9; g\_\_JG30-KF-AS9; s\_\_Chloroflexi\_bacterium |
| OTU\_166 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_KD4-96; o\_\_KD4-96; f\_\_KD4-96; g\_\_KD4-96; s\_\_ |
| OTU\_167 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Catenulisporales; f\_\_Catenulisporaceae; g\_\_Catenulispora |
| OTU\_168 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_Ellin6067; s\_\_ |
| OTU\_169 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_170 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_171 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Phaselicystidaceae; g\_\_Phaselicystis; s\_\_ |
| OTU\_172 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_mle1-7; s\_\_ |
| OTU\_174 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Thermoanaerobaculia; o\_\_Thermoanaerobaculales; f\_\_Thermoanaerobaculaceae; g\_\_Subgroup\_10 |
| OTU\_175 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter |
| OTU\_176 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Propionibacteriales; f\_\_Nocardioidaceae; g\_\_Marmoricola; s\_\_ |
| OTU\_177 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Methyloligellaceae; g\_\_; s\_\_ |
| OTU\_178 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Occallatibacter; s\_\_ |
| OTU\_179 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Dongiales; f\_\_Dongiaceae; g\_\_Dongia; s\_\_ |
| OTU\_180 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_AD3; o\_\_AD3; f\_\_AD3; g\_\_AD3; s\_\_ |
| OTU\_181 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_; s\_\_ |
| OTU\_182 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiales\_Incertae\_Sedis; g\_\_Bauldia; s\_\_ |
| OTU\_183 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae; g\_\_1959-1; s\_\_ |
| OTU\_184 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales; f\_\_; g\_\_; s\_\_ |
| OTU\_185 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_ |
| OTU\_186 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_187 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_A21b; g\_\_A21b; s\_\_ |
| OTU\_188 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Chthoniobacteraceae; g\_\_Candidatus\_Udaeobacter; s\_\_ |
| OTU\_190 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Edaphobacter; s\_\_ |
| OTU\_191 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_192 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_193 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_Nitrosospira |
| OTU\_194 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_195 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_Gaiellaceae; g\_\_Gaiella; s\_\_ |
| OTU\_197 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_198 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Sphingomonadales; f\_\_Sphingomonadaceae; g\_\_Sphingomonas; s\_\_Sphingomonas\_faeni |
| OTU\_199 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Nakamurellaceae; g\_\_Nakamurella; s\_\_ |
| OTU\_201 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Pajaroellobacter; s\_\_ |
| OTU\_204 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Devosiaceae; g\_\_; s\_\_ |
| OTU\_205 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Micrococcales; f\_\_Intrasporangiaceae |
| OTU\_206 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_207 | k\_\_Bacteria; p\_\_Methylomirabilota; c\_\_Methylomirabilia; o\_\_Rokubacteriales; f\_\_Rokubacteriales; g\_\_Rokubacteriales; s\_\_ |
| OTU\_210 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Acidipila; s\_\_ |
| OTU\_212 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales |
| OTU\_216 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiales\_Incertae\_Sedis; g\_\_; s\_\_ |
| OTU\_217 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales; f\_\_Iamiaceae; g\_\_Iamia; s\_\_ |
| OTU\_218 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Myxococcia; o\_\_Myxococcales; f\_\_Anaeromyxobacteraceae; g\_\_Anaeromyxobacter; s\_\_ |
| OTU\_219 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Frankiaceae; g\_\_Jatrophihabitans; s\_\_ |
| OTU\_220 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_221 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Holophagae; o\_\_Subgroup\_7; f\_\_Subgroup\_7; g\_\_Subgroup\_7; s\_\_ |
| OTU\_222 | k\_\_Archaea; p\_\_Crenarchaeota; c\_\_Nitrososphaeria; o\_\_Nitrososphaerales; f\_\_Nitrososphaeraceae; g\_\_Nitrososphaeraceae; s\_\_ |
| OTU\_223 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_224 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_URHD0088; g\_\_URHD0088; s\_\_ |
| OTU\_225 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_; g\_\_; s\_\_ |
| OTU\_226 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae |
| OTU\_227 | k\_\_Bacteria; p\_\_Desulfobacterota; c\_\_; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_228 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Pseudonocardiales; f\_\_Pseudonocardiaceae; g\_\_Pseudonocardia; s\_\_ |
| OTU\_229 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_Conexibacter; s\_\_ |
| OTU\_230 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_231 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Geodermatophilaceae |
| OTU\_232 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_233 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Xanthomonadales; f\_\_Rhodanobacteraceae; g\_\_Dokdonella; s\_\_ |
| OTU\_234 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_MND1; s\_\_ |
| OTU\_235 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Acidimicrobiales; f\_\_Acidimicrobiaceae; g\_\_; s\_\_ |
| OTU\_236 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Burkholderiaceae; g\_\_Burkholderia-Caballeronia-Paraburkholderia |
| OTU\_238 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_240 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_241 | k\_\_Bacteria; p\_\_GAL15; c\_\_GAL15; o\_\_GAL15; f\_\_GAL15; g\_\_GAL15; s\_\_ |
| OTU\_242 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Corynebacteriales; f\_\_Mycobacteriaceae; g\_\_Mycobacterium |
| OTU\_247 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Holophagae; o\_\_Subgroup\_7; f\_\_Subgroup\_7; g\_\_Subgroup\_7; s\_\_ |
| OTU\_248 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_JG30-KF-AS9; g\_\_JG30-KF-AS9 |
| OTU\_249 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Occallatibacter; s\_\_ |
| OTU\_250 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_JG30-KF-AS9; g\_\_JG30-KF-AS9; s\_\_ |
| OTU\_252 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Burkholderiaceae; g\_\_Burkholderia-Caballeronia-Paraburkholderia |
| OTU\_253 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter; s\_\_ |
| OTU\_255 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Hyphomonadaceae; g\_\_SWB02; s\_\_ |
| OTU\_256 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae |
| OTU\_257 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus; s\_\_ |
| OTU\_258 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae; g\_\_; s\_\_ |
| OTU\_259 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Anoxybacillus |
| OTU\_260 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Beijerinckiaceae; g\_\_Roseiarcus; s\_\_ |
| OTU\_261 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_263 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter |
| OTU\_264 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Sphingomonadales; f\_\_Sphingomonadaceae; g\_\_Parablastomonas; s\_\_ |
| OTU\_265 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_266 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Burkholderiaceae; g\_\_Burkholderia-Caballeronia-Paraburkholderia |
| OTU\_268 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Streptosporangiales; f\_\_Streptosporangiaceae; g\_\_Nonomuraea; s\_\_Nonomuraea\_sp. |
| OTU\_269 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_270 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Caulobacteraceae; g\_\_Phenylobacterium; s\_\_ |
| OTU\_271 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_A21b; g\_\_A21b; s\_\_ |
| OTU\_272 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Chthoniobacteraceae; g\_\_Candidatus\_Udaeobacter; s\_\_ |
| OTU\_274 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Anaerolineae; o\_\_Anaerolineae; f\_\_Anaerolineae; g\_\_Anaerolineae; s\_\_ |
| OTU\_275 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_278 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_279 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Burkholderiaceae; g\_\_Burkholderia-Caballeronia-Paraburkholderia |
| OTU\_280 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_Puia; s\_\_ |
| OTU\_281 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_; s\_\_ |
| OTU\_282 | k\_\_Bacteria; p\_\_Methylomirabilota; c\_\_Methylomirabilia; o\_\_Rokubacteriales; f\_\_Rokubacteriales; g\_\_Rokubacteriales; s\_\_ |
| OTU\_283 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_; s\_\_ |
| OTU\_287 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Methyloligellaceae; g\_\_Methyloligellaceae; s\_\_ |
| OTU\_288 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia |
| OTU\_289 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_Acidiphilium; s\_\_ |
| OTU\_290 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_KD4-96; o\_\_KD4-96; f\_\_KD4-96; g\_\_KD4-96; s\_\_ |
| OTU\_291 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_292 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_BIrii41; g\_\_BIrii41; s\_\_ |
| OTU\_293 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Micromonosporales; f\_\_Micromonosporaceae; g\_\_Dactylosporangium; s\_\_ |
| OTU\_294 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_296 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_297 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter; s\_\_ |
| OTU\_298 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_SC-I-84; g\_\_SC-I-84 |
| OTU\_300 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_IS-44; s\_\_ |
| OTU\_302 | k\_\_Bacteria; p\_\_RCP2-54; c\_\_RCP2-54; o\_\_RCP2-54; f\_\_RCP2-54; g\_\_RCP2-54; s\_\_ |
| OTU\_303 | k\_\_Bacteria |
| OTU\_304 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_JG30-KF-AS9; g\_\_JG30-KF-AS9; s\_\_ |
| OTU\_305 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Kineosporiales; f\_\_Kineosporiaceae |
| OTU\_306 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_JG30-KF-AS9; g\_\_JG30-KF-AS9; s\_\_ |
| OTU\_307 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_JG30-KF-AS9; g\_\_JG30-KF-AS9; s\_\_ |
| OTU\_309 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Nakamurellaceae; g\_\_Nakamurella |
| OTU\_310 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_311 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_312 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_313 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_ADurb.Bin063-1; s\_\_ |
| OTU\_314 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Sphingobacteriales; f\_\_Sphingobacteriaceae; g\_\_Mucilaginibacter; s\_\_ |
| OTU\_316 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_319 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae; g\_\_Aquabacterium; s\_\_ |
| OTU\_321 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_Xanthobacteraceae; s\_\_Rhizobiales\_bacterium |
| OTU\_322 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_323 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_Puia; s\_\_ |
| OTU\_326 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Caulobacteraceae; g\_\_Phenylobacterium; s\_\_ |
| OTU\_327 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_328 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_329 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Granulicella; s\_\_ |
| OTU\_330 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Dehalococcoidia; o\_\_S085; f\_\_S085; g\_\_S085; s\_\_ |
| OTU\_332 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Catenulisporales; f\_\_Actinospicaceae; g\_\_Actinospica |
| OTU\_333 | k\_\_Archaea; p\_\_Crenarchaeota; c\_\_Nitrososphaeria; o\_\_Nitrososphaerales; f\_\_Nitrososphaeraceae; g\_\_Candidatus\_Nitrocosmicus; s\_\_ |
| OTU\_334 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_336 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Xanthomonadales; f\_\_Rhodanobacteraceae; g\_\_Rhodanobacter; s\_\_ |
| OTU\_337 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_338 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiales\_Incertae\_Sedis; g\_\_Alsobacter |
| OTU\_339 | k\_\_Bacteria |
| OTU\_341 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_342 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Myxococcia; o\_\_Myxococcales; f\_\_Anaeromyxobacteraceae; g\_\_Anaeromyxobacter; s\_\_ |
| OTU\_343 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_344 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_345 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Chloroflexia; o\_\_Chloroflexales; f\_\_Roseiflexaceae; g\_\_; s\_\_ |
| OTU\_346 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_SC-I-84; g\_\_SC-I-84; s\_\_ |
| OTU\_347 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Beijerinckiaceae; g\_\_Roseiarcus; s\_\_ |
| OTU\_348 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_MND1; s\_\_ |
| OTU\_349 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales |
| OTU\_352 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Chthoniobacteraceae; g\_\_Candidatus\_Udaeobacter; s\_\_ |
| OTU\_353 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales |
| OTU\_354 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_356 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Holophagae; o\_\_Subgroup\_7; f\_\_Subgroup\_7; g\_\_Subgroup\_7; s\_\_ |
| OTU\_359 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Myxococcia; o\_\_Myxococcales; f\_\_Anaeromyxobacteraceae; g\_\_Anaeromyxobacter; s\_\_ |
| OTU\_360 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Geodermatophilaceae |
| OTU\_361 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_362 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Micropepsales; f\_\_Micropepsaceae; g\_\_; s\_\_ |
| OTU\_364 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Salinisphaerales; f\_\_Solimonadaceae; g\_\_Nevskia |
| OTU\_365 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_P2-11E; o\_\_P2-11E; f\_\_P2-11E; g\_\_P2-11E; s\_\_ |
| OTU\_368 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_AD3; o\_\_AD3; f\_\_AD3; g\_\_AD3; s\_\_ |
| OTU\_372 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae |
| OTU\_373 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_; s\_\_ |
| OTU\_374 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae |
| OTU\_375 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Sutterellaceae; g\_\_; s\_\_ |
| OTU\_377 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_Ellin6067; s\_\_ |
| OTU\_378 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_379 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Pajaroellobacter; s\_\_ |
| OTU\_381 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_TRA3-20; g\_\_TRA3-20; s\_\_ |
| OTU\_382 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter; s\_\_ |
| OTU\_383 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Burkholderiaceae; g\_\_Cupriavidus; s\_\_Cupriavidus\_basilensis |
| OTU\_385 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae; g\_\_Thermosporothrix; s\_\_ |
| OTU\_386 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_388 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Blastocatellia; o\_\_Pyrinomonadales; f\_\_Pyrinomonadaceae; g\_\_RB41; s\_\_ |
| OTU\_389 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_393 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_394 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_397 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_Vicinamibacteraceae; g\_\_Vicinamibacteraceae; s\_\_ |
| OTU\_398 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Beijerinckiaceae; g\_\_Rhodoblastus; s\_\_ |
| OTU\_399 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria |
| OTU\_401 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_JG36-TzT-191; f\_\_JG36-TzT-191; g\_\_JG36-TzT-191; s\_\_ |
| OTU\_403 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_BIrii41; g\_\_BIrii41; s\_\_ |
| OTU\_404 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_405 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_407 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_408 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_CCD24; f\_\_CCD24; g\_\_CCD24; s\_\_ |
| OTU\_410 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_412 | k\_\_Bacteria; p\_\_Nitrospirota; c\_\_Nitrospiria; o\_\_Nitrospirales; f\_\_Nitrospiraceae; g\_\_Nitrospira; s\_\_ |
| OTU\_415 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Micropepsales; f\_\_Micropepsaceae; g\_\_; s\_\_ |
| OTU\_416 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_419 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_TK10; o\_\_TK10; f\_\_TK10; g\_\_TK10 |
| OTU\_420 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_421 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Chthoniobacteraceae; g\_\_Candidatus\_Udaeobacter; s\_\_ |
| OTU\_422 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Caulobacteraceae; g\_\_; s\_\_ |
| OTU\_423 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_Gemmatimonas; s\_\_ |
| OTU\_424 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Caulobacteraceae; g\_\_; s\_\_ |
| OTU\_425 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Sandaracinaceae; g\_\_ |
| OTU\_426 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_Flavitalea; s\_\_ |
| OTU\_429 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_430 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_; f\_\_; g\_\_ |
| OTU\_432 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiales\_Incertae\_Sedis; g\_\_Nordella; s\_\_Nordella\_oligomobilis |
| OTU\_433 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_Acidisoma |
| OTU\_434 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Cytophagales; f\_\_Microscillaceae |
| OTU\_436 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_KD4-96; o\_\_KD4-96; f\_\_KD4-96; g\_\_KD4-96; s\_\_ |
| OTU\_438 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Propionibacteriales; f\_\_Nocardioidaceae; g\_\_Kribbella; s\_\_Kribbella\_sp. |
| OTU\_439 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_440 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus |
| OTU\_441 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_442 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_Roseomonas |
| OTU\_444 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Pseudonocardiales; f\_\_Pseudonocardiaceae; g\_\_Pseudonocardia |
| OTU\_445 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_446 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_BIrii41; g\_\_BIrii41; s\_\_ |
| OTU\_447 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_A0839; g\_\_A0839; s\_\_ |
| OTU\_448 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae; g\_\_1921-3; s\_\_ |
| OTU\_451 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Frankiaceae; g\_\_Jatrophihabitans |
| OTU\_452 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_Conexibacter; s\_\_ |
| OTU\_454 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter; s\_\_ |
| OTU\_455 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Azospirillales; f\_\_Inquilinaceae; g\_\_Inquilinus; s\_\_ |
| OTU\_456 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Chloroflexia; o\_\_Thermomicrobiales; f\_\_JG30-KF-CM45; g\_\_JG30-KF-CM45 |
| OTU\_457 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_; f\_\_; g\_\_ |
| OTU\_458 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Reyranellales; f\_\_Reyranellaceae; g\_\_Reyranella; s\_\_ |
| OTU\_459 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_; s\_\_ |
| OTU\_461 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Beijerinckiaceae |
| OTU\_464 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_JG30-KF-AS9; g\_\_JG30-KF-AS9; s\_\_ |
| OTU\_465 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae |
| OTU\_466 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Streptosporangiales; f\_\_Streptosporangiaceae |
| OTU\_468 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Holophagae; o\_\_Subgroup\_7; f\_\_Subgroup\_7; g\_\_Subgroup\_7; s\_\_ |
| OTU\_470 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_473 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Micropepsales; f\_\_Micropepsaceae; g\_\_Micropepsis; s\_\_ |
| OTU\_474 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Xanthomonadales; f\_\_Rhodanobacteraceae; g\_\_Rhodanobacter; s\_\_ |
| OTU\_477 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Pseudonocardiales; f\_\_Pseudonocardiaceae; g\_\_Pseudonocardia; s\_\_Pseudonocardia\_sp. |
| OTU\_479 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Oxalobacteraceae; g\_\_Collimonas; s\_\_Collimonas\_sp. |
| OTU\_480 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales |
| OTU\_481 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_bacteriap25; o\_\_bacteriap25; f\_\_bacteriap25; g\_\_bacteriap25; s\_\_ |
| OTU\_483 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Oxalobacteraceae; g\_\_Massilia |
| OTU\_484 | k\_\_Bacteria |
| OTU\_488 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Propionibacteriales; f\_\_Nocardioidaceae; g\_\_Nocardioides; s\_\_ |
| OTU\_489 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Myxococcia; o\_\_Myxococcales; f\_\_Myxococcaceae; g\_\_; s\_\_ |
| OTU\_490 | k\_\_Bacteria |
| OTU\_491 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Corynebacteriales; f\_\_Nocardiaceae; g\_\_Nocardia |
| OTU\_492 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_Gemmatimonas; s\_\_ |
| OTU\_493 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Sphingobacteriales; f\_\_Sphingobacteriaceae; g\_\_Mucilaginibacter; s\_\_ |
| OTU\_494 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Micromonosporales; f\_\_Micromonosporaceae; g\_\_Actinoplanes; s\_\_Actinoplanes\_derwentensis |
| OTU\_495 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Gitt-GS-136; o\_\_Gitt-GS-136; f\_\_Gitt-GS-136; g\_\_Gitt-GS-136; s\_\_ |
| OTU\_499 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Holophagae; o\_\_Subgroup\_7; f\_\_Subgroup\_7; g\_\_Subgroup\_7; s\_\_ |
| OTU\_500 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_Solirubrobacter; s\_\_ |
| OTU\_501 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_mle1-7; s\_\_ |
| OTU\_502 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae |
| OTU\_503 | k\_\_Bacteria; p\_\_Patescibacteria; c\_\_Microgenomatia; o\_\_Candidatus\_Levybacteria; f\_\_Candidatus\_Levybacteria; g\_\_Candidatus\_Levybacteria; s\_\_ |
| OTU\_504 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_506 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_507 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_508 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae |
| OTU\_509 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_Gaiellaceae; g\_\_Gaiella; s\_\_ |
| OTU\_510 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_511 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_KF-JG30-B3; g\_\_KF-JG30-B3; s\_\_ |
| OTU\_513 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Dehalococcoidia; o\_\_S085; f\_\_S085; g\_\_S085; s\_\_ |
| OTU\_514 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_Ellin516; s\_\_ |
| OTU\_516 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae; g\_\_HSB\_OF53-F07; s\_\_ |
| OTU\_517 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_C0119; f\_\_C0119; g\_\_C0119; s\_\_ |
| OTU\_518 | k\_\_Archaea; p\_\_Crenarchaeota; c\_\_Nitrososphaeria; o\_\_Nitrosotaleales; f\_\_Nitrosotaleaceae; g\_\_Nitrosotaleaceae; s\_\_ |
| OTU\_519 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales |
| OTU\_520 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae |
| OTU\_521 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria |
| OTU\_525 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_Puia; s\_\_ |
| OTU\_526 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Granulicella; s\_\_ |
| OTU\_529 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Sandaracinaceae; g\_\_Sandaracinus; s\_\_ |
| OTU\_530 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_JG30-KF-CM66; o\_\_JG30-KF-CM66; f\_\_JG30-KF-CM66; g\_\_JG30-KF-CM66; s\_\_ |
| OTU\_531 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Steroidobacterales; f\_\_Steroidobacteraceae; g\_\_Steroidobacter |
| OTU\_532 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_Gemmatimonas; s\_\_ |
| OTU\_533 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae |
| OTU\_534 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Propionibacteriales; f\_\_Nocardioidaceae |
| OTU\_536 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae; g\_\_HSB\_OF53-F07; s\_\_ |
| OTU\_537 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_; s\_\_ |
| OTU\_538 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_543 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_Flavisolibacter; s\_\_ |
| OTU\_546 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales |
| OTU\_548 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_550 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Myxococcia; o\_\_Myxococcales; f\_\_Anaeromyxobacteraceae; g\_\_Anaeromyxobacter; s\_\_ |
| OTU\_552 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_556 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Xanthomonadales; f\_\_Rhodanobacteraceae; g\_\_Dyella |
| OTU\_557 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_BIrii41; g\_\_BIrii41; s\_\_ |
| OTU\_559 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_Elsteraceae; g\_\_; s\_\_ |
| OTU\_561 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_AD3; o\_\_AD3; f\_\_AD3; g\_\_AD3; s\_\_ |
| OTU\_562 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_Pedosphaera; s\_\_ |
| OTU\_563 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_JG30-KF-CM66; o\_\_JG30-KF-CM66; f\_\_JG30-KF-CM66; g\_\_JG30-KF-CM66; s\_\_ |
| OTU\_565 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae |
| OTU\_566 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_KD4-96; o\_\_KD4-96; f\_\_KD4-96; g\_\_KD4-96; s\_\_ |
| OTU\_567 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Pajaroellobacter; s\_\_ |
| OTU\_568 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_ |
| OTU\_570 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_KF-JG30-C25; f\_\_KF-JG30-C25; g\_\_KF-JG30-C25; s\_\_ |
| OTU\_571 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Pseudonocardiales; f\_\_Pseudonocardiaceae; g\_\_Amycolatopsis |
| OTU\_572 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Catenulisporales; f\_\_Actinospicaceae; g\_\_Actinospica; s\_\_Persicaria\_minor |
| OTU\_573 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_575 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_SHA-26; o\_\_SHA-26; f\_\_SHA-26; g\_\_SHA-26; s\_\_ |
| OTU\_576 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Clostridiaceae; g\_\_Clostridium\_sensu\_stricto\_9; s\_\_ |
| OTU\_578 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_Rhodopseudomonas; s\_\_ |
| OTU\_579 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_SC-I-84; g\_\_SC-I-84 |
| OTU\_580 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_581 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales |
| OTU\_582 | k\_\_Bacteria; p\_\_Nitrospirota; c\_\_Nitrospiria; o\_\_Nitrospirales; f\_\_Nitrospiraceae; g\_\_Nitrospira; s\_\_ |
| OTU\_585 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_Gemmatimonas; s\_\_ |
| OTU\_586 | k\_\_Bacteria; p\_\_WPS-2; c\_\_WPS-2; o\_\_WPS-2; f\_\_WPS-2; g\_\_WPS-2; s\_\_ |
| OTU\_587 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Thermoanaerobaculia; o\_\_Thermoanaerobaculales; f\_\_Thermoanaerobaculaceae; g\_\_Subgroup\_10 |
| OTU\_589 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_GOUTA6; s\_\_ |
| OTU\_590 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_591 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_Gemmatimonas; s\_\_ |
| OTU\_592 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_Pedosphaeraceae; s\_\_ |
| OTU\_594 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_597 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_; s\_\_ |
| OTU\_598 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Oxalobacteraceae; g\_\_Undibacterium |
| OTU\_599 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_JG30-KF-AS9; g\_\_JG30-KF-AS9; s\_\_ |
| OTU\_600 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales; f\_\_; g\_\_; s\_\_ |
| OTU\_601 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Salinisphaerales; f\_\_Solimonadaceae |
| OTU\_603 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_mle1-27; f\_\_mle1-27; g\_\_mle1-27 |
| OTU\_604 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Acidicapsa; s\_\_Acidicapsa\_sp. |
| OTU\_608 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Caulobacteraceae; g\_\_Brevundimonas |
| OTU\_609 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_P2-11E; o\_\_P2-11E; f\_\_P2-11E; g\_\_P2-11E; s\_\_ |
| OTU\_610 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Corynebacteriales; f\_\_Nocardiaceae; g\_\_Nocardia |
| OTU\_611 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Micropepsales; f\_\_Micropepsaceae; g\_\_; s\_\_ |
| OTU\_612 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae; g\_\_1921-2; s\_\_ |
| OTU\_613 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_617 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhodospirillales; f\_\_Rhodospirillaceae; g\_\_; s\_\_ |
| OTU\_619 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_Gemmatimonas; s\_\_ |
| OTU\_620 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Myxococcia; o\_\_Myxococcales; f\_\_Myxococcaceae; g\_\_Archangium |
| OTU\_621 | k\_\_Bacteria; p\_\_Fibrobacterota; c\_\_Fibrobacteria; o\_\_Fibrobacterales; f\_\_Fibrobacteraceae; g\_\_possible\_genus\_04; s\_\_ |
| OTU\_622 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Pseudonocardiales; f\_\_Pseudonocardiaceae; g\_\_Pseudonocardia |
| OTU\_623 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Paenibacillales; f\_\_Paenibacillaceae; g\_\_Paenibacillus; s\_\_Paenibacillus\_pectinilyticus |
| OTU\_624 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_KD4-96; o\_\_KD4-96; f\_\_KD4-96; g\_\_KD4-96; s\_\_ |
| OTU\_625 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhodospirillales; f\_\_; g\_\_; s\_\_ |
| OTU\_626 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_629 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae; g\_\_Thermosporothrix; s\_\_ |
| OTU\_630 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_AD3; o\_\_AD3; f\_\_AD3; g\_\_AD3; s\_\_ |
| OTU\_631 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae |
| OTU\_632 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Thermoanaerobaculia; o\_\_Thermoanaerobaculales; f\_\_Thermoanaerobaculaceae; g\_\_Subgroup\_10; s\_\_ |
| OTU\_634 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_635 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_636 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_JG30-KF-CM66; o\_\_JG30-KF-CM66; f\_\_JG30-KF-CM66; g\_\_JG30-KF-CM66; s\_\_ |
| OTU\_639 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Micromonosporales; f\_\_Micromonosporaceae; g\_\_Actinoplanes; s\_\_Actinoplanes\_sp. |
| OTU\_640 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_644 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Paenibacillales; f\_\_Paenibacillaceae; g\_\_Paenibacillus; s\_\_Paenibacillus\_xylanexedens |
| OTU\_647 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_650 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Pseudonocardiales; f\_\_Pseudonocardiaceae; g\_\_Pseudonocardia; s\_\_ |
| OTU\_653 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Corynebacteriales; f\_\_Nocardiaceae; g\_\_Rhodococcus; s\_\_Rhodococcus\_erythropolis |
| OTU\_657 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_; s\_\_ |
| OTU\_659 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_662 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Bacillus; s\_\_Bacillus\_simplex |
| OTU\_663 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Thermoanaerobaculia; o\_\_Thermoanaerobaculales; f\_\_Thermoanaerobaculaceae; g\_\_Subgroup\_10; s\_\_ |
| OTU\_664 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhodospirillales; f\_\_; g\_\_; s\_\_ |
| OTU\_665 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_actinobacterium\_BGR |
| OTU\_668 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Paenibacillales; f\_\_Paenibacillaceae; g\_\_Ammoniphilus; s\_\_ |
| OTU\_672 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Pseudonocardiales; f\_\_Pseudonocardiaceae; g\_\_Actinomycetospora; s\_\_ |
| OTU\_673 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_13; f\_\_Subgroup\_13; g\_\_Subgroup\_13; s\_\_ |
| OTU\_677 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Steroidobacterales; f\_\_Steroidobacteraceae; g\_\_; s\_\_ |
| OTU\_680 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_681 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Nakamurellaceae; g\_\_Nakamurella; s\_\_ |
| OTU\_682 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Micrococcales; f\_\_Cellulomonadaceae; g\_\_Cellulomonas; s\_\_Cellulomonas\_sp. |
| OTU\_683 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_Solirubrobacter |
| OTU\_687 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_ |
| OTU\_688 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Beijerinckiaceae |
| OTU\_690 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_694 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Pajaroellobacter; s\_\_ |
| OTU\_695 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Planctomycetes; o\_\_Isosphaerales; f\_\_Isosphaeraceae; g\_\_Aquisphaera; s\_\_ |
| OTU\_696 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_Ellin6067; s\_\_ |
| OTU\_697 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Pseudomonadales; f\_\_Pseudomonadaceae; g\_\_Pseudomonas; s\_\_Pseudomonas\_vancouverensis |
| OTU\_698 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae |
| OTU\_699 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter; s\_\_ |
| OTU\_701 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_703 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Caulobacteraceae; g\_\_ |
| OTU\_705 | k\_\_Bacteria; p\_\_Methylomirabilota; c\_\_Methylomirabilia; o\_\_Rokubacteriales; f\_\_Rokubacteriales; g\_\_Rokubacteriales; s\_\_ |
| OTU\_708 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Phycisphaerae; o\_\_Tepidisphaerales; f\_\_WD2101\_soil\_group; g\_\_WD2101\_soil\_group; s\_\_ |
| OTU\_709 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Holophagae; o\_\_Subgroup\_7; f\_\_Subgroup\_7; g\_\_Subgroup\_7; s\_\_ |
| OTU\_711 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia |
| OTU\_713 | k\_\_Bacteria; p\_\_WPS-2; c\_\_WPS-2; o\_\_WPS-2; f\_\_WPS-2; g\_\_WPS-2; s\_\_ |
| OTU\_714 | k\_\_Bacteria |
| OTU\_715 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales; f\_\_; g\_\_; s\_\_ |
| OTU\_716 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Dongiales; f\_\_Dongiaceae; g\_\_Dongia; s\_\_ |
| OTU\_719 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_bacterium\_Ellin6515 |
| OTU\_722 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_723 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae |
| OTU\_724 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_726 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_728 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_Pedosphaeraceae; s\_\_ |
| OTU\_729 | k\_\_Archaea; p\_\_Crenarchaeota; c\_\_Nitrososphaeria; o\_\_Nitrosotaleales; f\_\_Nitrosotaleaceae; g\_\_Nitrosotaleaceae; s\_\_ |
| OTU\_733 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_; s\_\_ |
| OTU\_735 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Chloroflexia; o\_\_Chloroflexales; f\_\_Roseiflexaceae; g\_\_; s\_\_ |
| OTU\_737 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Sphingobacteriales; f\_\_Sphingobacteriaceae; g\_\_Mucilaginibacter |
| OTU\_738 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Chthoniobacteraceae; g\_\_Candidatus\_Udaeobacter; s\_\_ |
| OTU\_739 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales; f\_\_Ilumatobacteraceae; g\_\_; s\_\_ |
| OTU\_740 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_Puia; s\_\_ |
| OTU\_741 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_742 | k\_\_Bacteria; p\_\_Nitrospirota; c\_\_Nitrospiria; o\_\_Nitrospirales; f\_\_Nitrospiraceae; g\_\_Nitrospira |
| OTU\_745 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Streptomycetales; f\_\_Streptomycetaceae; g\_\_Streptomyces |
| OTU\_747 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_748 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_749 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales |
| OTU\_751 | k\_\_Bacteria; p\_\_WPS-2; c\_\_WPS-2; o\_\_WPS-2; f\_\_WPS-2; g\_\_WPS-2; s\_\_ |
| OTU\_753 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Xanthomonadales; f\_\_Rhodanobacteraceae; g\_\_Rhodanobacter; s\_\_ |
| OTU\_755 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Xanthomonadales |
| OTU\_757 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Subgroup\_17; f\_\_Subgroup\_17; g\_\_Subgroup\_17; s\_\_ |
| OTU\_758 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_759 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_760 | k\_\_Bacteria |
| OTU\_762 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Subgroup\_5; o\_\_Subgroup\_5; f\_\_Subgroup\_5; g\_\_Subgroup\_5; s\_\_ |
| OTU\_764 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_765 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Reyranellales; f\_\_Reyranellaceae; g\_\_; s\_\_ |
| OTU\_766 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Blastocatellia; o\_\_Pyrinomonadales; f\_\_Pyrinomonadaceae; g\_\_RB41; s\_\_ |
| OTU\_772 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiales\_Incertae\_Sedis; g\_\_Nordella; s\_\_ |
| OTU\_774 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_MND1; s\_\_ |
| OTU\_776 | k\_\_Bacteria; p\_\_Fibrobacterota; c\_\_Fibrobacteria; o\_\_Fibrobacterales; f\_\_Fibrobacteraceae; g\_\_; s\_\_bacterium\_enrichment |
| OTU\_778 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_780 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Thermoanaerobaculia; o\_\_Thermoanaerobaculales; f\_\_Thermoanaerobaculaceae; g\_\_Subgroup\_10; s\_\_Acidobacteria\_bacterium |
| OTU\_781 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_WD260; f\_\_WD260; g\_\_WD260; s\_\_ |
| OTU\_783 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Hyphomicrobiaceae; g\_\_Pedomicrobium; s\_\_ |
| OTU\_790 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Alicyclobacillales; f\_\_Alicyclobacillaceae; g\_\_Tumebacillus |
| OTU\_792 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Oxalobacteraceae; g\_\_Noviherbaspirillum; s\_\_ |
| OTU\_794 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_797 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Sphingomonadales; f\_\_Sphingomonadaceae; g\_\_Sphingomonas |
| OTU\_799 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_800 | k\_\_Bacteria; p\_\_Latescibacterota; c\_\_Latescibacterota; o\_\_Latescibacterota; f\_\_Latescibacterota; g\_\_Latescibacterota; s\_\_ |
| OTU\_801 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_802 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_Conexibacter; s\_\_ |
| OTU\_803 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_805 | k\_\_Bacteria; p\_\_Desulfobacterota; c\_\_; o\_\_; f\_\_; g\_\_ |
| OTU\_806 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae; g\_\_HSB\_OF53-F07; s\_\_ |
| OTU\_808 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Minicystis; s\_\_ |
| OTU\_812 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_KD4-96; o\_\_KD4-96; f\_\_KD4-96; g\_\_KD4-96 |
| OTU\_813 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiaceae; g\_\_Mesorhizobium; s\_\_Mesorhizobium\_ciceri |
| OTU\_814 | k\_\_Bacteria; p\_\_WPS-2; c\_\_WPS-2; o\_\_WPS-2; f\_\_WPS-2; g\_\_WPS-2; s\_\_ |
| OTU\_816 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Opitutales; f\_\_Opitutaceae; g\_\_Opitutus; s\_\_ |
| OTU\_817 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Sorangium; s\_\_ |
| OTU\_818 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_820 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_KF-JG30-C25; f\_\_KF-JG30-C25; g\_\_KF-JG30-C25; s\_\_ |
| OTU\_822 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_823 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_Pedosphaeraceae; s\_\_ |
| OTU\_826 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Cytophagales; f\_\_Microscillaceae; g\_\_ |
| OTU\_830 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Holophagae; o\_\_Holophagales; f\_\_Holophagaceae; g\_\_Holophaga; s\_\_ |
| OTU\_832 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_Elsteraceae; g\_\_; s\_\_ |
| OTU\_836 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_Niastella; s\_\_ |
| OTU\_837 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Blastocatellia; o\_\_11-24; f\_\_11-24; g\_\_11-24; s\_\_ |
| OTU\_838 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Beijerinckiaceae; g\_\_Bosea |
| OTU\_842 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_Acidicaldus; s\_\_ |
| OTU\_846 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae; g\_\_Variovorax |
| OTU\_847 | k\_\_Bacteria; p\_\_RCP2-54; c\_\_RCP2-54; o\_\_RCP2-54; f\_\_RCP2-54; g\_\_RCP2-54; s\_\_ |
| OTU\_850 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Sandaracinaceae; g\_\_; s\_\_ |
| OTU\_851 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_853 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiales\_Incertae\_Sedis; g\_\_Bauldia; s\_\_ |
| OTU\_854 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_856 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_Elsteraceae; g\_\_; s\_\_ |
| OTU\_858 | k\_\_Archaea; p\_\_Crenarchaeota; c\_\_Nitrososphaeria; o\_\_Group\_1.1c; f\_\_Group\_1.1c; g\_\_Group\_1.1c; s\_\_ |
| OTU\_859 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Oxalobacteraceae; g\_\_Janthinobacterium |
| OTU\_865 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_866 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Pajaroellobacter; s\_\_ |
| OTU\_870 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_; s\_\_ |
| OTU\_871 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Propionibacteriales; f\_\_Nocardioidaceae; g\_\_Nocardioides; s\_\_Nocardioides\_sp. |
| OTU\_875 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_876 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_878 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Caulobacteraceae |
| OTU\_879 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_Conexibacter; s\_\_ |
| OTU\_880 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_Pedosphaeraceae; s\_\_ |
| OTU\_881 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Caulobacteraceae; g\_\_; s\_\_ |
| OTU\_882 | k\_\_Bacteria; p\_\_Methylomirabilota; c\_\_Methylomirabilia; o\_\_Rokubacteriales; f\_\_Rokubacteriales; g\_\_Rokubacteriales; s\_\_ |
| OTU\_885 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_Gemmatimonas; s\_\_ |
| OTU\_898 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_902 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_903 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_AD3; o\_\_AD3; f\_\_AD3; g\_\_AD3; s\_\_ |
| OTU\_906 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Micropepsales; f\_\_Micropepsaceae; g\_\_; s\_\_ |
| OTU\_910 | k\_\_Bacteria; p\_\_Desulfobacterota; c\_\_; o\_\_; f\_\_; g\_\_ |
| OTU\_911 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_912 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Koribacteraceae; g\_\_Candidatus\_Koribacter |
| OTU\_913 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae |
| OTU\_914 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_915 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_917 | k\_\_Bacteria; p\_\_Bdellovibrionota; c\_\_Oligoflexia; o\_\_0319-6G20; f\_\_0319-6G20; g\_\_0319-6G20 |
| OTU\_918 | k\_\_Bacteria; p\_\_Latescibacterota; c\_\_Latescibacterota; o\_\_Latescibacterota; f\_\_Latescibacterota; g\_\_Latescibacterota; s\_\_ |
| OTU\_923 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_925 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_926 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae; g\_\_Rubrivivax; s\_\_ |
| OTU\_929 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_13; f\_\_Subgroup\_13; g\_\_Subgroup\_13; s\_\_ |
| OTU\_938 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_941 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_JG30-KF-AS9; g\_\_JG30-KF-AS9; s\_\_ |
| OTU\_946 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Pajaroellobacter; s\_\_ |
| OTU\_948 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_949 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia |
| OTU\_950 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_ |
| OTU\_952 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Cryptosporangiaceae; g\_\_Cryptosporangium; s\_\_Cryptosporangium\_sp. |
| OTU\_954 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_ |
| OTU\_955 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales; f\_\_; g\_\_; s\_\_ |
| OTU\_956 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_957 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Planococcaceae; g\_\_Psychrobacillus |
| OTU\_959 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Opitutales; f\_\_Opitutaceae; g\_\_Lacunisphaera; s\_\_ |
| OTU\_960 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus; s\_\_ |
| OTU\_961 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Opitutales; f\_\_Opitutaceae |
| OTU\_963 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Pseudonocardiales; f\_\_Pseudonocardiaceae; g\_\_Actinophytocola; s\_\_ |
| OTU\_966 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_970 | k\_\_Bacteria; p\_\_Desulfobacterota; c\_\_; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_974 | k\_\_Archaea; p\_\_Crenarchaeota; c\_\_Nitrososphaeria; o\_\_Group\_1.1c; f\_\_Group\_1.1c; g\_\_Group\_1.1c; s\_\_ |
| OTU\_977 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Chloroflexia; o\_\_Chloroflexales; f\_\_Roseiflexaceae; g\_\_; s\_\_ |
| OTU\_978 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Chthoniobacteraceae; g\_\_Chthoniobacter |
| OTU\_981 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_982 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_987 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_988 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae |
| OTU\_992 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae |
| OTU\_996 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Sporolactobacillaceae; g\_\_Pullulanibacillus; s\_\_ |
| OTU\_999 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae |
| OTU\_1004 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Caulobacteraceae; g\_\_Asticcacaulis |
| OTU\_1009 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_1018 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_1023 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Paenibacillales; f\_\_Paenibacillaceae; g\_\_Paenibacillus; s\_\_ |
| OTU\_1029 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_TK10; o\_\_TK10; f\_\_TK10; g\_\_TK10; s\_\_ |
| OTU\_1031 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_OLB14; o\_\_OLB14; f\_\_OLB14; g\_\_OLB14; s\_\_ |
| OTU\_1033 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_Endobacter; s\_\_ |
| OTU\_1034 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_; g\_\_; s\_\_ |
| OTU\_1035 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae; g\_\_Ramlibacter; s\_\_ |
| OTU\_1039 | k\_\_Bacteria; p\_\_Chloroflexi |
| OTU\_1040 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter; s\_\_ |
| OTU\_1047 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_1049 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Corynebacteriales; f\_\_Nocardiaceae; g\_\_Smaragdicoccus; s\_\_ |
| OTU\_1050 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Hyphomonadaceae; g\_\_Hirschia; s\_\_ |
| OTU\_1053 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Caulobacteraceae; g\_\_; s\_\_ |
| OTU\_1055 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae |
| OTU\_1060 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae; g\_\_Ramlibacter |
| OTU\_1067 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_1068 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_KD4-96; o\_\_KD4-96; f\_\_KD4-96; g\_\_KD4-96; s\_\_ |
| OTU\_1074 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Phaselicystidaceae; g\_\_Phaselicystis; s\_\_ |
| OTU\_1079 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales |
| OTU\_1084 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Sphingomonadales; f\_\_Sphingomonadaceae; g\_\_Novosphingobium; s\_\_ |
| OTU\_1088 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Micropepsales; f\_\_Micropepsaceae |
| OTU\_1089 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_C0119; f\_\_C0119; g\_\_C0119; s\_\_ |
| OTU\_1092 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Pseudomonadales; f\_\_Pseudomonadaceae; g\_\_Pseudomonas |
| OTU\_1094 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae |
| OTU\_1100 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_1102 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Chlamydiae; o\_\_Chlamydiales |
| OTU\_1106 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Corynebacteriales; f\_\_Mycobacteriaceae; g\_\_Mycobacterium |
| OTU\_1109 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_A21b; g\_\_A21b; s\_\_ |
| OTU\_1111 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Dehalococcoidia; o\_\_S085; f\_\_S085; g\_\_S085; s\_\_ |
| OTU\_1113 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae; g\_\_G12-WMSP1; s\_\_ |
| OTU\_1114 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_JG30-KF-AS9; g\_\_JG30-KF-AS9 |
| OTU\_1118 | k\_\_Bacteria; p\_\_MBNT15; c\_\_MBNT15; o\_\_MBNT15; f\_\_MBNT15; g\_\_MBNT15 |
| OTU\_1119 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_1123 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhodomicrobiaceae; g\_\_Rhodomicrobium; s\_\_ |
| OTU\_1127 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Propionibacteriales; f\_\_Nocardioidaceae; g\_\_Actinopolymorpha |
| OTU\_1129 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhodospirillales; f\_\_Rhodospirillaceae; g\_\_; s\_\_ |
| OTU\_1130 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia |
| OTU\_1136 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae; g\_\_Rhizobacter |
| OTU\_1141 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Planctomycetes; o\_\_Gemmatales; f\_\_Gemmataceae; g\_\_; s\_\_ |
| OTU\_1144 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Micromonosporales; f\_\_Micromonosporaceae; g\_\_Luedemannella; s\_\_ |
| OTU\_1145 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_1147 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_ |
| OTU\_1148 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_1150 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus; s\_\_ |
| OTU\_1152 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales; f\_\_Microtrichaceae; g\_\_; s\_\_ |
| OTU\_1160 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_1161 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_1163 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Corynebacteriales; f\_\_Mycobacteriaceae; g\_\_Mycobacterium |
| OTU\_1164 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Chthoniobacteraceae; g\_\_Candidatus\_Udaeobacter; s\_\_ |
| OTU\_1168 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Salinisphaerales; f\_\_Solimonadaceae |
| OTU\_1170 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_1174 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_Gaiellaceae; g\_\_Gaiella; s\_\_ |
| OTU\_1176 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Subgroup\_5; o\_\_Subgroup\_5; f\_\_Subgroup\_5; g\_\_Subgroup\_5; s\_\_ |
| OTU\_1177 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_1180 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_Gemmatimonas; s\_\_ |
| OTU\_1181 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Geobacillus |
| OTU\_1182 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_Pedosphaeraceae; s\_\_ |
| OTU\_1185 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_1188 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Kapabacteria; o\_\_Kapabacteriales; f\_\_Kapabacteriales; g\_\_Kapabacteriales; s\_\_ |
| OTU\_1198 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae |
| OTU\_1199 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_TRA3-20; g\_\_TRA3-20; s\_\_ |
| OTU\_1200 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Subgroup\_22; o\_\_Subgroup\_22; f\_\_Subgroup\_22; g\_\_Subgroup\_22; s\_\_ |
| OTU\_1203 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Xiphinematobacteraceae; g\_\_Candidatus\_Xiphinematobacter; s\_\_ |
| OTU\_1205 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_SC-I-84; g\_\_SC-I-84; s\_\_ |
| OTU\_1207 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_MND1; s\_\_ |
| OTU\_1209 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_1224 | k\_\_Bacteria; p\_\_Elusimicrobiota; c\_\_Elusimicrobia; o\_\_Lineage\_IV; f\_\_Lineage\_IV; g\_\_Lineage\_IV; s\_\_ |
| OTU\_1228 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_TK10; o\_\_TK10; f\_\_TK10; g\_\_TK10; s\_\_ |
| OTU\_1232 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_1233 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia |
| OTU\_1234 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Paenibacillales; f\_\_Paenibacillaceae; g\_\_Paenibacillus; s\_\_Paenibacillus\_alginolyticus |
| OTU\_1244 | k\_\_Bacteria; p\_\_Bdellovibrionota; c\_\_Bdellovibrionia; o\_\_Bdellovibrionales; f\_\_Bdellovibrionaceae; g\_\_Bdellovibrio; s\_\_ |
| OTU\_1246 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_1247 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Subgroup\_5; o\_\_Subgroup\_5; f\_\_Subgroup\_5; g\_\_Subgroup\_5; s\_\_ |
| OTU\_1252 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Paenibacillales; f\_\_Paenibacillaceae; g\_\_Paenibacillus; s\_\_Paenibacillus\_glycanilyticus |
| OTU\_1259 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_1261 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_; s\_\_ |
| OTU\_1262 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria |
| OTU\_1265 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_Edaphobaculum; s\_\_ |
| OTU\_1266 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiales\_Incertae\_Sedis; g\_\_Bauldia; s\_\_ |
| OTU\_1279 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Sphingobacteriales; f\_\_CWT\_CU03-E12; g\_\_CWT\_CU03-E12; s\_\_ |
| OTU\_1280 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Burkholderiaceae; g\_\_Polynucleobacter; s\_\_Polynucleobacter\_asymbioticus |
| OTU\_1285 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Catenulisporales; f\_\_Catenulisporaceae; g\_\_Catenulispora; s\_\_Catenulispora\_sp. |
| OTU\_1289 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Pseudonocardiales; f\_\_Pseudonocardiaceae |
| OTU\_1291 | k\_\_Bacteria; p\_\_Methylomirabilota; c\_\_Methylomirabilia; o\_\_Rokubacteriales; f\_\_Rokubacteriales; g\_\_Rokubacteriales; s\_\_ |
| OTU\_1301 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_1302 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Myxococcia; o\_\_Myxococcales |
| OTU\_1304 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae |
| OTU\_1307 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_JG30-KF-CM66; o\_\_JG30-KF-CM66; f\_\_JG30-KF-CM66; g\_\_JG30-KF-CM66; s\_\_ |
| OTU\_1308 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales |
| OTU\_1309 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Planctomycetes; o\_\_Isosphaerales; f\_\_Isosphaeraceae; g\_\_Aquisphaera; s\_\_ |
| OTU\_1315 | k\_\_Bacteria |
| OTU\_1319 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales |
| OTU\_1335 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_JG30-KF-CM66; o\_\_JG30-KF-CM66; f\_\_JG30-KF-CM66; g\_\_JG30-KF-CM66; s\_\_ |
| OTU\_1344 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_KF-JG30-C25; f\_\_KF-JG30-C25; g\_\_KF-JG30-C25; s\_\_ |
| OTU\_1348 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Corynebacteriales; f\_\_Nocardiaceae; g\_\_Nocardia |
| OTU\_1352 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Bacillus |
| OTU\_1353 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_1361 | k\_\_Bacteria; p\_\_Latescibacterota; c\_\_Latescibacterota; o\_\_Latescibacterota; f\_\_Latescibacterota; g\_\_Latescibacterota; s\_\_ |
| OTU\_1384 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_1389 | k\_\_Bacteria; p\_\_Bdellovibrionota; c\_\_Oligoflexia; o\_\_0319-6G20; f\_\_0319-6G20; g\_\_0319-6G20; s\_\_ |
| OTU\_1393 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Subgroup\_22; o\_\_Subgroup\_22; f\_\_Subgroup\_22; g\_\_Subgroup\_22; s\_\_ |
| OTU\_1400 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_13; f\_\_Subgroup\_13; g\_\_Subgroup\_13; s\_\_ |
| OTU\_1405 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_Puia; s\_\_ |
| OTU\_1409 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Beijerinckiaceae; g\_\_Microvirga; s\_\_ |
| OTU\_1412 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria |
| OTU\_1417 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter; s\_\_ |
| OTU\_1418 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_TK10; o\_\_TK10; f\_\_TK10; g\_\_TK10 |
| OTU\_1420 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Corynebacteriales; f\_\_Nocardiaceae; g\_\_Rhodococcus |
| OTU\_1422 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_PAUC26f; f\_\_PAUC26f; g\_\_PAUC26f; s\_\_ |
| OTU\_1429 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Burkholderiaceae; g\_\_Cupriavidus |
| OTU\_1445 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_ |
| OTU\_1449 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_1459 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_1461 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Subgroup\_11; o\_\_Subgroup\_11; f\_\_Subgroup\_11; g\_\_Subgroup\_11; s\_\_ |
| OTU\_1472 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_Conexibacter; s\_\_ |
| OTU\_1473 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_1479 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_1491 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_1493 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_; s\_\_ |
| OTU\_1497 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_TRA3-20; g\_\_TRA3-20; s\_\_ |
| OTU\_1504 | k\_\_Bacteria; p\_\_Cyanobacteria; c\_\_Sericytochromatia; o\_\_Sericytochromatia; f\_\_Sericytochromatia; g\_\_Sericytochromatia; s\_\_ |
| OTU\_1506 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Anaerolineae; o\_\_Anaerolineales; f\_\_Anaerolineaceae; g\_\_; s\_\_ |
| OTU\_1513 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter |
| OTU\_1518 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_1521 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Opitutales; f\_\_Opitutaceae |
| OTU\_1532 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_Acidobacteria\_bacterium |
| OTU\_1538 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Kineosporiales; f\_\_Kineosporiaceae |
| OTU\_1543 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Subgroup\_5; o\_\_Subgroup\_5; f\_\_Subgroup\_5; g\_\_Subgroup\_5; s\_\_ |
| OTU\_1549 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Propionibacteriales; f\_\_Nocardioidaceae; g\_\_Nocardioides |
| OTU\_1552 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_A21b; g\_\_A21b; s\_\_ |
| OTU\_1555 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Geodermatophilaceae; g\_\_Blastococcus; s\_\_ |
| OTU\_1560 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae |
| OTU\_1573 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_1579 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_MND1; s\_\_ |
| OTU\_1587 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_TK10; o\_\_TK10; f\_\_TK10; g\_\_TK10; s\_\_ |
| OTU\_1588 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_1589 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Anaerolineae; o\_\_Anaerolineales; f\_\_Anaerolineaceae; g\_\_; s\_\_ |
| OTU\_1592 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_Edaphobaculum; s\_\_ |
| OTU\_1593 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Micropepsales; f\_\_Micropepsaceae; g\_\_; s\_\_ |
| OTU\_1596 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_A21b; g\_\_A21b; s\_\_ |
| OTU\_1614 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Xiphinematobacteraceae; g\_\_Candidatus\_Xiphinematobacter; s\_\_ |
| OTU\_1615 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae |
| OTU\_1616 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Alicyclobacillales; f\_\_Alicyclobacillaceae; g\_\_Tumebacillus; s\_\_Tumebacillus\_permanentifrigoris |
| OTU\_1624 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_Acidiphilium; s\_\_ |
| OTU\_1626 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_1631 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_1640 | k\_\_Bacteria; p\_\_Bdellovibrionota; c\_\_Bdellovibrionia; o\_\_Bdellovibrionales; f\_\_Bdellovibrionaceae; g\_\_Bdellovibrio; s\_\_ |
| OTU\_1644 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae |
| OTU\_1646 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_1650 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Sphingomonadales; f\_\_Sphingomonadaceae |
| OTU\_1651 | k\_\_Bacteria |
| OTU\_1657 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_; s\_\_ |
| OTU\_1663 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_1668 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_1670 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Sphingobacteriales; f\_\_CWT\_CU03-E12; g\_\_CWT\_CU03-E12; s\_\_ |
| OTU\_1674 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_MND1; s\_\_ |
| OTU\_1685 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_JG30-KF-AS9; g\_\_JG30-KF-AS9 |
| OTU\_1696 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_1701 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_1720 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_Afipia; s\_\_ |
| OTU\_1724 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Sporichthyaceae; g\_\_Sporichthya; s\_\_Sporichthya\_polymorpha |
| OTU\_1734 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_ADurb.Bin063-1; s\_\_ |
| OTU\_1741 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_1748 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_; s\_\_ |
| OTU\_1751 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_1761 | k\_\_Bacteria; p\_\_Elusimicrobiota; c\_\_Lineage\_IIa; o\_\_Lineage\_IIa; f\_\_Lineage\_IIa; g\_\_Lineage\_IIa; s\_\_ |
| OTU\_1762 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria |
| OTU\_1768 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_1782 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Planococcaceae; g\_\_Solibacillus |
| OTU\_1788 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia |
| OTU\_1796 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rickettsiales; f\_\_SM2D12; g\_\_SM2D12; s\_\_ |
| OTU\_1814 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_bacterium\_enrichment |
| OTU\_1827 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_1834 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_Rhodoplanes; s\_\_ |
| OTU\_1835 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Subgroup\_22; o\_\_Subgroup\_22; f\_\_Subgroup\_22; g\_\_Subgroup\_22; s\_\_ |
| OTU\_1837 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_1839 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Frankiaceae; g\_\_Jatrophihabitans |
| OTU\_1852 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Sphingomonadales; f\_\_Sphingomonadaceae |
| OTU\_1858 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_Conexibacter; s\_\_ |
| OTU\_1859 | k\_\_Bacteria; p\_\_SAR324\_clade(Marine\_group\_B); c\_\_SAR324\_clade(Marine\_group\_B); o\_\_SAR324\_clade(Marine\_group\_B); f\_\_SAR324\_clade(Marine\_group\_B); g\_\_SAR324\_clade(Marine\_group\_B); s\_\_bacterium\_enrichment |
| OTU\_1865 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_13; f\_\_Subgroup\_13; g\_\_Subgroup\_13; s\_\_ |
| OTU\_1882 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Hyphomicrobiaceae; g\_\_Hyphomicrobium; s\_\_ |
| OTU\_1887 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Anaerolineae; o\_\_SBR1031; f\_\_A4b; g\_\_A4b; s\_\_ |
| OTU\_1898 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Planctomycetes; o\_\_Isosphaerales; f\_\_Isosphaeraceae; g\_\_Tundrisphaera; s\_\_ |
| OTU\_1904 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Subgroup\_5; o\_\_Subgroup\_5; f\_\_Subgroup\_5; g\_\_Subgroup\_5; s\_\_ |
| OTU\_1927 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_Conexibacter |
| OTU\_1929 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Paenibacillales; f\_\_Paenibacillaceae; g\_\_Paenibacillus; s\_\_Paenibacillus\_sacheonensis |
| OTU\_1939 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Holophagae; o\_\_Subgroup\_7; f\_\_Subgroup\_7; g\_\_Subgroup\_7; s\_\_ |
| OTU\_1951 | k\_\_Bacteria; p\_\_Latescibacterota; c\_\_Latescibacterota; o\_\_Latescibacterota; f\_\_Latescibacterota; g\_\_Latescibacterota; s\_\_ |
| OTU\_1952 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Sphingomonadales; f\_\_Sphingomonadaceae; g\_\_Novosphingobium; s\_\_Novosphingobium\_capsulatum |
| OTU\_1976 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae |
| OTU\_1979 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_SC-I-84; g\_\_SC-I-84; s\_\_ |
| OTU\_1983 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_; s\_\_ |
| OTU\_1989 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae; g\_\_HSB\_OF53-F07; s\_\_ |
| OTU\_1994 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_1997 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Planctomycetes; o\_\_Isosphaerales; f\_\_Isosphaeraceae |
| OTU\_2011 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus; s\_\_ |
| OTU\_2019 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_ |
| OTU\_2042 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Azospirillales; f\_\_Inquilinaceae; g\_\_Inquilinus; s\_\_ |
| OTU\_2043 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae; g\_\_1921-3; s\_\_ |
| OTU\_2056 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_TK10; o\_\_TK10; f\_\_TK10; g\_\_TK10; s\_\_ |
| OTU\_2066 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Beijerinckiaceae; g\_\_Psychroglaciecola; s\_\_ |
| OTU\_2069 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Paenibacillales; f\_\_Paenibacillaceae; g\_\_Cohnella |
| OTU\_2086 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae |
| OTU\_2107 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_TK10; o\_\_TK10; f\_\_TK10; g\_\_TK10; s\_\_bacterium\_Ellin6519 |
| OTU\_2157 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae |
| OTU\_2158 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_; s\_\_ |
| OTU\_2161 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_2163 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales |
| OTU\_2175 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Planctomycetes; o\_\_Gemmatales; f\_\_Gemmataceae; g\_\_; s\_\_ |
| OTU\_2177 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_Ktedonobacteraceae |
| OTU\_2187 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiales\_Incertae\_Sedis; g\_\_Bauldia; s\_\_ |
| OTU\_2190 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Planctomycetes; o\_\_Gemmatales; f\_\_Gemmataceae; g\_\_; s\_\_ |
| OTU\_2216 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Bryocella; s\_\_ |
| OTU\_2224 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_2233 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_2235 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Paracaedibacterales; f\_\_Paracaedibacteraceae; g\_\_Candidatus\_Paracaedibacter; s\_\_ |
| OTU\_2245 | k\_\_Bacteria; p\_\_Methylomirabilota; c\_\_Methylomirabilia; o\_\_Rokubacteriales; f\_\_Rokubacteriales; g\_\_Rokubacteriales; s\_\_ |
| OTU\_2248 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Planctomycetes; o\_\_Gemmatales; f\_\_Gemmataceae; g\_\_Gemmata; s\_\_ |
| OTU\_2262 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Opitutales; f\_\_Opitutaceae; g\_\_Opitutus; s\_\_ |
| OTU\_2271 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_2280 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Myxococcia; o\_\_Myxococcales; f\_\_Myxococcaceae; g\_\_P3OB-42; s\_\_ |
| OTU\_2287 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales |
| OTU\_2312 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_37-13; g\_\_37-13; s\_\_ |
| OTU\_2317 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_WD260; f\_\_WD260; g\_\_WD260; s\_\_ |
| OTU\_2319 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_Acidiphilium |
| OTU\_2324 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales; f\_\_Ilumatobacteraceae; g\_\_CL500-29\_marine\_group |
| OTU\_2341 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae |
| OTU\_2356 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Sphingobacteriales; f\_\_Sphingobacteriaceae; g\_\_Mucilaginibacter |
| OTU\_2361 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Myxococcia; o\_\_Myxococcales; f\_\_Myxococcaceae |
| OTU\_2385 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Oxalobacteraceae; g\_\_Duganella; s\_\_Duganella\_sp. |
| OTU\_2386 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_2395 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Chloroflexia; o\_\_Thermomicrobiales; f\_\_JG30-KF-CM45; g\_\_JG30-KF-CM45; s\_\_bacterium\_Ellin6537 |
| OTU\_2406 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Holophagae; o\_\_Subgroup\_7; f\_\_Subgroup\_7; g\_\_Subgroup\_7; s\_\_ |
| OTU\_2407 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Pajaroellobacter; s\_\_ |
| OTU\_2408 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_2412 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales |
| OTU\_2419 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Brevibacillales; f\_\_Brevibacillaceae; g\_\_Brevibacillus |
| OTU\_2432 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_ADurb.Bin063-1; s\_\_ |
| OTU\_2442 | k\_\_Bacteria; p\_\_Nitrospirota; c\_\_Nitrospiria; o\_\_Nitrospirales; f\_\_Nitrospiraceae; g\_\_Nitrospira; s\_\_ |
| OTU\_2444 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_bacterium\_enrichment |
| OTU\_2447 | k\_\_Bacteria; p\_\_Armatimonadota; c\_\_; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_2457 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Holosporales; f\_\_Holosporaceae; g\_\_; s\_\_ |
| OTU\_2465 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_Acidisoma; s\_\_ |
| OTU\_2471 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae |
| OTU\_2486 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_mle1-27; f\_\_mle1-27; g\_\_mle1-27 |
| OTU\_2487 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Propionibacteriales; f\_\_Nocardioidaceae; g\_\_Nocardioides |
| OTU\_2507 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Planctomycetes; o\_\_Planctomycetales; f\_\_; g\_\_; s\_\_ |
| OTU\_2525 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Terriglobus |
| OTU\_2534 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Caulobacterales; f\_\_Caulobacteraceae; g\_\_Phenylobacterium |
| OTU\_2538 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Chthoniobacteraceae; g\_\_Candidatus\_Udaeobacter |
| OTU\_2558 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Aetherobacter; s\_\_ |
| OTU\_2559 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_2561 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae |
| OTU\_2589 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae |
| OTU\_2590 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_SC-I-84; g\_\_SC-I-84; s\_\_ |
| OTU\_2595 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_2622 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria |
| OTU\_2635 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_2643 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_2654 | k\_\_Bacteria; p\_\_Latescibacterota; c\_\_Latescibacterota; o\_\_Latescibacterota; f\_\_Latescibacterota; g\_\_Latescibacterota; s\_\_ |
| OTU\_2670 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_AD3; o\_\_AD3; f\_\_AD3; g\_\_AD3; s\_\_ |
| OTU\_2680 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus; s\_\_ |
| OTU\_2685 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_2687 | k\_\_Bacteria; p\_\_Patescibacteria; c\_\_Microgenomatia; o\_\_Candidatus\_Levybacteria; f\_\_Candidatus\_Levybacteria; g\_\_Candidatus\_Levybacteria; s\_\_ |
| OTU\_2689 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_2702 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_; f\_\_; g\_\_ |
| OTU\_2723 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_Pseudolabrys; s\_\_ |
| OTU\_2725 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Pajaroellobacter; s\_\_ |
| OTU\_2728 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Pajaroellobacter |
| OTU\_2745 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_Rhodoplanes; s\_\_ |
| OTU\_2746 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_TK10; o\_\_TK10; f\_\_TK10; g\_\_TK10; s\_\_bacterium\_Ellin6519 |
| OTU\_2749 | k\_\_Bacteria; p\_\_MBNT15; c\_\_MBNT15; o\_\_MBNT15; f\_\_MBNT15; g\_\_MBNT15; s\_\_ |
| OTU\_2772 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Blastocatellia; o\_\_Blastocatellales; f\_\_Blastocatellaceae; g\_\_JGI\_0001001-H03; s\_\_ |
| OTU\_2780 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_2786 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_2805 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_2810 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhodospirillales; f\_\_Rhodospirillaceae; g\_\_; s\_\_ |
| OTU\_2814 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_2820 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Devosiaceae; g\_\_Devosia |
| OTU\_2823 | k\_\_Bacteria; p\_\_Elusimicrobiota; c\_\_Lineage\_IIa; o\_\_Lineage\_IIa; f\_\_Lineage\_IIa; g\_\_Lineage\_IIa |
| OTU\_2843 | k\_\_Bacteria; p\_\_Desulfobacterota; c\_\_; o\_\_; f\_\_; g\_\_; s\_\_ |
| OTU\_2848 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae |
| OTU\_2854 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales |
| OTU\_2867 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Oxalobacteraceae; g\_\_Massilia |
| OTU\_2870 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Micropepsales; f\_\_Micropepsaceae |
| OTU\_2881 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae; g\_\_Polaromonas |
| OTU\_2895 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Propionibacteriales; f\_\_Nocardioidaceae; g\_\_Nocardioides |
| OTU\_2903 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_2916 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1) |
| OTU\_2923 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Beijerinckiaceae; g\_\_Microvirga; s\_\_Microvirga\_sp. |
| OTU\_2966 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_2968 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Bacillus |
| OTU\_2997 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales |
| OTU\_3001 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Frankiaceae; g\_\_Jatrophihabitans; s\_\_bacterium\_Ellin6090 |
| OTU\_3002 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter; s\_\_ |
| OTU\_3018 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_3027 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Chthoniobacteraceae; g\_\_Chthoniobacter; s\_\_ |
| OTU\_3049 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales |
| OTU\_3071 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_3091 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Holophagae; o\_\_Subgroup\_7; f\_\_Subgroup\_7; g\_\_Subgroup\_7; s\_\_ |
| OTU\_3092 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_Rhodoplanes; s\_\_ |
| OTU\_3110 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_Gemmatimonas; s\_\_ |
| OTU\_3127 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Planctomycetes; o\_\_Isosphaerales; f\_\_Isosphaeraceae; g\_\_Singulisphaera; s\_\_ |
| OTU\_3137 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales |
| OTU\_3144 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Planctomycetes; o\_\_Gemmatales; f\_\_Gemmataceae; g\_\_; s\_\_ |
| OTU\_3145 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_KD4-96; o\_\_KD4-96; f\_\_KD4-96; g\_\_KD4-96; s\_\_ |
| OTU\_3148 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Micrococcales; f\_\_Microbacteriaceae; g\_\_Leifsonia |
| OTU\_3173 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae |
| OTU\_3189 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus |
| OTU\_3224 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales |
| OTU\_3234 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_TK10; o\_\_TK10; f\_\_TK10; g\_\_TK10 |
| OTU\_3257 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_Solirubrobacter |
| OTU\_3276 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_Conexibacter; s\_\_ |
| OTU\_3307 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_Pedosphaera; s\_\_ |
| OTU\_3315 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Haliangiales; f\_\_Haliangiaceae; g\_\_Haliangium; s\_\_ |
| OTU\_3326 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_Conexibacter; s\_\_ |
| OTU\_3328 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Micropepsales; f\_\_Micropepsaceae; g\_\_; s\_\_ |
| OTU\_3331 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria |
| OTU\_3376 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Micromonosporales; f\_\_Micromonosporaceae |
| OTU\_3389 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_3437 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_3471 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Legionellales; f\_\_Legionellaceae; g\_\_Legionella; s\_\_Legionella\_sp. |
| OTU\_3485 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Myxococcia; o\_\_Myxococcales; f\_\_Anaeromyxobacteraceae; g\_\_Anaeromyxobacter; s\_\_ |
| OTU\_3486 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Chthoniobacteraceae; g\_\_Candidatus\_Udaeobacter; s\_\_ |
| OTU\_3491 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_3496 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Granulicella; s\_\_ |
| OTU\_3508 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae; g\_\_Ramlibacter |
| OTU\_3535 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Streptomycetales; f\_\_Streptomycetaceae; g\_\_Streptomyces |
| OTU\_3563 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_3581 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_3588 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_3608 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales |
| OTU\_3616 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Oxalobacteraceae |
| OTU\_3621 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus; s\_\_ |
| OTU\_3623 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_3629 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus; s\_\_ |
| OTU\_3647 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales |
| OTU\_3693 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales |
| OTU\_3697 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales |
| OTU\_3702 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiaceae; g\_\_Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium |
| OTU\_3707 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_3717 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_3724 | k\_\_Bacteria; p\_\_Bdellovibrionota; c\_\_Oligoflexia; o\_\_0319-6G20; f\_\_0319-6G20; g\_\_0319-6G20 |
| OTU\_3729 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales |
| OTU\_3742 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Frankiaceae; g\_\_Frankia; s\_\_Frankia\_sp. |
| OTU\_3771 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_IS-44; s\_\_ |
| OTU\_3787 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae; g\_\_Conexibacter |
| OTU\_3910 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Propionibacteriales; f\_\_Nocardioidaceae; g\_\_Nocardioides |
| OTU\_3937 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_Bradyrhizobium |
| OTU\_3943 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia |
| OTU\_3952 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales |
| OTU\_3962 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_4049 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiales\_Incertae\_Sedis; g\_\_; s\_\_ |
| OTU\_4078 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_4086 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_4093 | k\_\_Bacteria; p\_\_WPS-2; c\_\_WPS-2; o\_\_WPS-2; f\_\_WPS-2; g\_\_WPS-2; s\_\_ |
| OTU\_4162 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_4175 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Propionibacteriales; f\_\_Nocardioidaceae; g\_\_Marmoricola; s\_\_ |
| OTU\_4202 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Pseudonocardiales; f\_\_Pseudonocardiaceae; g\_\_Actinomycetospora; s\_\_Actinomycetospora\_sp. |
| OTU\_4234 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Micropepsales; f\_\_Micropepsaceae; g\_\_; s\_\_ |
| OTU\_4240 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rickettsiales; f\_\_SM2D12; g\_\_SM2D12; s\_\_ |
| OTU\_4250 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_4257 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_mle1-7; s\_\_ |
| OTU\_4258 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_4259 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Sphingobacteriales; f\_\_Sphingobacteriaceae; g\_\_Mucilaginibacter; s\_\_ |
| OTU\_4263 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_4278 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales |
| OTU\_4281 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Planctomycetes; o\_\_Gemmatales; f\_\_Gemmataceae; g\_\_; s\_\_ |
| OTU\_4282 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_4285 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales |
| OTU\_4324 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_4325 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Holophagae; o\_\_Subgroup\_7; f\_\_Subgroup\_7; g\_\_Subgroup\_7; s\_\_ |
| OTU\_4329 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_4335 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_; s\_\_ |
| OTU\_4416 | k\_\_Bacteria; p\_\_Desulfobacterota; c\_\_; o\_\_; f\_\_; g\_\_ |
| OTU\_4422 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Reyranellales; f\_\_Reyranellaceae; g\_\_Reyranella |
| OTU\_4427 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_SC-I-84; g\_\_SC-I-84; s\_\_ |
| OTU\_4444 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_4459 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales |
| OTU\_4495 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_Microtrichales; f\_\_Ilumatobacteraceae; g\_\_CL500-29\_marine\_group; s\_\_ |
| OTU\_4498 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_4509 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter; s\_\_ |
| OTU\_4535 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Cytophagales; f\_\_Microscillaceae; g\_\_; s\_\_ |
| OTU\_4546 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_4563 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_4564 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Streptosporangiales; f\_\_Thermomonosporaceae; g\_\_Actinomadura; s\_\_Actinomadura\_sp. |
| OTU\_4596 | k\_\_Bacteria; p\_\_Methylomirabilota; c\_\_Methylomirabilia; o\_\_Rokubacteriales; f\_\_Rokubacteriales; g\_\_Rokubacteriales; s\_\_ |
| OTU\_4620 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae; g\_\_Puia; s\_\_ |
| OTU\_4654 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_4669 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_4680 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_4690 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_; s\_\_ |
| OTU\_4694 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae |
| OTU\_4723 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_P2-11E; o\_\_P2-11E; f\_\_P2-11E; g\_\_P2-11E; s\_\_ |
| OTU\_4727 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae; g\_\_Acidiphilium |
| OTU\_4731 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_4733 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_MND1; s\_\_ |
| OTU\_4735 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_4780 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_Pedosphaeraceae; s\_\_ |
| OTU\_4799 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_4825 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae |
| OTU\_4907 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales |
| OTU\_4921 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_; g\_\_; s\_\_ |
| OTU\_4989 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter |
| OTU\_5063 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhodospirillales; f\_\_; g\_\_; s\_\_ |
| OTU\_5065 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Beijerinckiaceae; g\_\_Methylocapsa; s\_\_ |
| OTU\_5098 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae |
| OTU\_5137 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_5163 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Vicinamibacteria; o\_\_Vicinamibacterales; f\_\_Vicinamibacteraceae; g\_\_Vicinamibacteraceae; s\_\_ |
| OTU\_5170 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_5225 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Micromonosporales; f\_\_Micromonosporaceae; g\_\_Actinoplanes |
| OTU\_5254 | k\_\_Bacteria; p\_\_Bacteroidota; c\_\_Bacteroidia; o\_\_Chitinophagales; f\_\_Chitinophagaceae |
| OTU\_5256 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_5257 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_Gemmatimonas; s\_\_ |
| OTU\_5268 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Geodermatophilaceae; g\_\_Geodermatophilus; s\_\_ |
| OTU\_5285 | k\_\_Bacteria; p\_\_Nitrospirota; c\_\_Nitrospiria; o\_\_Nitrospirales; f\_\_Nitrospiraceae; g\_\_Nitrospira; s\_\_ |
| OTU\_5293 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae |
| OTU\_5296 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter; s\_\_ |
| OTU\_5322 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Beijerinckiaceae; g\_\_Roseiarcus; s\_\_ |
| OTU\_5326 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_ADurb.Bin063-1; s\_\_ |
| OTU\_5339 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Acetobacterales; f\_\_Acetobacteraceae |
| OTU\_5348 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_; s\_\_ |
| OTU\_5360 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Acidicapsa; s\_\_Acidicapsa\_sp. |
| OTU\_5361 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_Ellin6067; s\_\_ |
| OTU\_5396 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Paenibacillales; f\_\_Paenibacillaceae; g\_\_Paenibacillus; s\_\_Paenibacillus\_sinopodophylli |
| OTU\_5439 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_Aciditerrimonas\_sp. |
| OTU\_5446 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_5495 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_5498 | k\_\_Bacteria; p\_\_WPS-2; c\_\_WPS-2; o\_\_WPS-2; f\_\_WPS-2; g\_\_WPS-2; s\_\_ |
| OTU\_5539 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_5543 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Minicystis; s\_\_ |
| OTU\_5560 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_Solirubrobacteraceae |
| OTU\_5570 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Occallatibacter; s\_\_ |
| OTU\_5580 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Frankiaceae; g\_\_Jatrophihabitans; s\_\_ |
| OTU\_5597 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_5620 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_5638 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_5648 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria |
| OTU\_5657 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Micrococcales; f\_\_Microbacteriaceae; g\_\_Microbacterium |
| OTU\_5658 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_BIrii41; g\_\_BIrii41; s\_\_ |
| OTU\_5684 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_5699 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_TK10; o\_\_TK10; f\_\_TK10; g\_\_TK10; s\_\_bacterium\_Ellin6519 |
| OTU\_5704 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Myxococcia; o\_\_Myxococcales; f\_\_Anaeromyxobacteraceae; g\_\_Anaeromyxobacter; s\_\_ |
| OTU\_5733 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_KD4-96; o\_\_KD4-96; f\_\_KD4-96; g\_\_KD4-96; s\_\_ |
| OTU\_5750 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_5754 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_5864 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_5889 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae; g\_\_; s\_\_ |
| OTU\_5892 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales |
| OTU\_5896 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_5967 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_Gaiellaceae; g\_\_Gaiella; s\_\_ |
| OTU\_5974 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_5990 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_Gaiellaceae; g\_\_Gaiella; s\_\_ |
| OTU\_6004 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_6036 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Chthoniobacteraceae; g\_\_Candidatus\_Udaeobacter; s\_\_ |
| OTU\_6052 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_6053 | k\_\_Bacteria; p\_\_Gemmatimonadota; c\_\_Gemmatimonadetes; o\_\_Gemmatimonadales; f\_\_Gemmatimonadaceae; g\_\_; s\_\_ |
| OTU\_6071 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae; g\_\_Piscinibacter; s\_\_ |
| OTU\_6093 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Pseudomonadales; f\_\_Pseudomonadaceae; g\_\_Pseudomonas |
| OTU\_6110 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_6153 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_MND1; s\_\_ |
| OTU\_6221 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_Ktedonobacteria; o\_\_Ktedonobacterales; f\_\_JG30-KF-AS9; g\_\_JG30-KF-AS9; s\_\_ |
| OTU\_6237 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_6275 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Bryobacterales; f\_\_Bryobacteraceae; g\_\_Bryobacter; s\_\_ |
| OTU\_6322 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae |
| OTU\_6368 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Rhizobiales\_Incertae\_Sedis; g\_\_Bauldia; s\_\_ |
| OTU\_6391 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_MND1; s\_\_ |
| OTU\_6423 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae |
| OTU\_6431 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Frankiaceae; g\_\_Jatrophihabitans; s\_\_ |
| OTU\_6452 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae |
| OTU\_6525 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_6561 | k\_\_Bacteria; p\_\_Planctomycetota; c\_\_Planctomycetes; o\_\_Planctomycetales; f\_\_; g\_\_; s\_\_ |
| OTU\_6573 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Chthoniobacterales; f\_\_Chthoniobacteraceae; g\_\_Candidatus\_Udaeobacter; s\_\_ |
| OTU\_6662 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Gaiellales; f\_\_; g\_\_; s\_\_ |
| OTU\_6663 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_6718 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Solibacterales; f\_\_Solibacteraceae; g\_\_Candidatus\_Solibacter; s\_\_ |
| OTU\_6744 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Subgroup\_2; f\_\_Subgroup\_2; g\_\_Subgroup\_2; s\_\_ |
| OTU\_6757 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Myxococcia; o\_\_Myxococcales; f\_\_Myxococcaceae |
| OTU\_6781 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Hyphomicrobiaceae; g\_\_Hyphomicrobium |
| OTU\_6786 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Thermoleophilia; o\_\_Solirubrobacterales; f\_\_67-14; g\_\_67-14; s\_\_ |
| OTU\_6804 | k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Planococcaceae; g\_\_Sporosarcina |
| OTU\_6841 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_MND1; s\_\_ |
| OTU\_6863 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus |
| OTU\_6870 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_SC-I-84; g\_\_SC-I-84; s\_\_ |
| OTU\_6871 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_bacteriap25; o\_\_bacteriap25; f\_\_bacteriap25; g\_\_bacteriap25; s\_\_ |
| OTU\_6905 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_; s\_\_ |
| OTU\_6942 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Gammaproteobacteria\_Incertae\_Sedis; f\_\_Unknown\_Family; g\_\_Acidibacter; s\_\_ |
| OTU\_6943 | k\_\_Bacteria; p\_\_Myxococcota; c\_\_Polyangia; o\_\_Polyangiales; f\_\_Polyangiaceae; g\_\_Pajaroellobacter; s\_\_ |
| OTU\_6955 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Frankiales; f\_\_Acidothermaceae; g\_\_Acidothermus; s\_\_ |
| OTU\_6996 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_7000 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Elsterales; f\_\_; g\_\_; s\_\_ |
| OTU\_7011 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_; f\_\_; g\_\_ |
| OTU\_7046 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Nitrosomonadaceae; g\_\_Ellin6067; s\_\_ |
| OTU\_7062 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Occallatibacter |
| OTU\_7084 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Acidimicrobiia; o\_\_IMCC26256; f\_\_IMCC26256; g\_\_IMCC26256; s\_\_ |
| OTU\_7221 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_Acidobacteriaceae\_(Subgroup\_1); g\_\_Edaphobacter; s\_\_ |
| OTU\_7226 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_TK10; o\_\_TK10; f\_\_TK10; g\_\_TK10; s\_\_bacterium\_Ellin6519 |
| OTU\_7232 | k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Alphaproteobacteria; o\_\_Rhizobiales; f\_\_Xanthobacteraceae |
| OTU\_7233 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_7239 | k\_\_Bacteria; p\_\_Verrucomicrobiota; c\_\_Verrucomicrobiae; o\_\_Pedosphaerales; f\_\_Pedosphaeraceae; g\_\_; s\_\_ |
| OTU\_7240 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_Actinobacteria; o\_\_Corynebacteriales; f\_\_Nocardiaceae; g\_\_Nocardia; s\_\_Nocardia\_vinacea |
| OTU\_7250 | k\_\_Bacteria; p\_\_Acidobacteriota; c\_\_Acidobacteriae; o\_\_Acidobacteriales; f\_\_; g\_\_; s\_\_ |
| OTU\_7276 | k\_\_Bacteria; p\_\_Actinobacteriota; c\_\_MB-A2-108; o\_\_MB-A2-108; f\_\_MB-A2-108; g\_\_MB-A2-108; s\_\_ |
| OTU\_7420 | k\_\_Bacteria; p\_\_Chloroflexi; c\_\_AD3; o\_\_AD3; f\_\_AD3; g\_\_AD3; s\_\_ |