

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Yersiniaceae;g__Serratia;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Shewanellaceae;g__Shewanella;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Shewanellaceae;g__Shewanella;s__Shewanella_morhuae

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Aeromonadaceae;g__Aeromonas;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Morganellaceae;g__Moellerella;s__Providencia_sp.

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Stenotrophomonas;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Yersiniaceae;g__Yersinia;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Weeksellaceae;g__Chryseobacterium;__

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Carnobacteriaceae;g__Carnobacterium;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Weeksellaceae;g__Chryseobacterium;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;g__Enterococcus;s__uncultured_organism

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__Pseudomonas;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Enterobacteriaceae;__;__

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;g__Enterococcus;__

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Vagococcaceae;g__Vagococcus;__

Unassigned;__;__;__;__

d__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus;__

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Corynebacteriales;f__Corynebacteriaceae;g__Corynebacterium;s__Corynebacterium_falsenii

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__Delftia;__

d__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Allobacillus;s__Allobacillus_halotolerans

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Listeriaceae;g__Listeria;s__Listeria_monocytogenes

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Vibrionaceae;g__Salinivibrio;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Acinetobacter;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Morganellaceae;g__Moellerella;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Acinetobacter;s__uncultured_Acinetobacter

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Propionibacteriales;f__Propionibacteriaceae;g__Cutibacterium;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Staphylococcales;f__Staphylococcaceae;g__Staphylococcus;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Morganellaceae;g__Providencia;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Flavobacteriaceae;g__Imtechella;s__Imtechella_halotolerans

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Psychrobacter;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Shewanellaceae;g__Shewanella;s__uncultured_bacterium

d__Bacteria;p__Campylobacterota;c__Campylobacteria;o__Campylobacteriales;f__Campylobacteraceae;g__Campylobacter;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Burkholderiaceae;g__Burkholderia-Caballeronia-Paraburkholderia;__

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Corynebacteriales;f__Corynebacteriaceae;g__Corynebacterium;s__uncultured_bacterium

d__Bacteria;p__Campylobacterota;c__Campylobacteria;o__Campylobacteriales;f__Arcobacteraceae;__;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Neisseriaceae;g__Urburulla;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacterales;f__Rhodobacteraceae;g__Paracoccus;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae;g__Streptococcus;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Morganellaceae;g__Providencia;s__Providencia_alcalifaciens

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Beijerinckiaceae;g__Methylobacterium-Methylorubrum;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Enhydrobacter;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Vibrionaceae;g__Vibrio;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Yersiniaceae;g__Yersinia;s__Yersinia_enterocolitica

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Morganellaceae;g__Morganella;__

d__Bacteria;p__Firmicutes;c__Bacilli;o__Staphylococcales;f__Staphylococcaceae;g__Staphylococcus;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Halomonadaceae;g__Halomonas;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Beijerinckiaceae;g__Methylobacterium-Methylorubrum;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Sphingomonas;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Psychrobacter;s__uncultured_bacterium

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Brevibacteriaceae;g__Brevibacterium;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;__;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Enterobacteriaceae;g__Escherichia-Shigella;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Enterobacteriaceae;g__Klebsiella;__

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae;g__Streptococcus;__

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Microbacteriaceae;__;__

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Corynebacteriales;f__Corynebacteriaceae;g__Lawsonella;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Xanthobacteraceae;g__Bradyrhizobium;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Pseudoxanthomonas;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Burkholderiaceae;g__Ralstonia;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__Pseudomonas;s__Pseudomonas_sp.

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae;g__Lactococcus;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Novosphingobium;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium;__

d__Bacteria;p__Gammaproteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Pseudoalteromonadaceae;g__Pseudoalteromonas;__

d__Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Ruminococcaceae;g__Faecalibacterium;s__uncultured_bacterium

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Bacteroidaceae;g__Bacteroides;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Acinetobacter;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Enterobacteriaceae;g__Salmonella;s__Salmonella_enterica

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Muribaculaceae;g__Muribaculaceae;s__uncultured_bacterium

d__Bacteria;p__Cyanobacteria;c__Cyanobacteriia;o__Chloroplast;f__Chloroplast;g__Chloroplast;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Sphingobium;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Acetobacteriales;f__Acetobacteraceae;g__Roseomonas;__

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Dermabacteraceae;g__Brachybacterium;__

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Micrococcales;g__Micrococcales;__

a_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;t__Moraxellaceae;g__Aikaninadiges;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Neisseriaceae;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Blautia;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rickettsiales;f__Rickettsiaceae;g__Rickettsia;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Shewanellaceae;g__Shewanella;s__Shewanella_putrefaciens

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Corynebacteriales;f__Corynebacteriaceae;g__Corynebacterium;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Yersiniaceae;__;

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Sphingomonas;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Corynebacteriales;f__Dietziaceae;g__Dietzia;__

d_Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Oscillospiraceae;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Dermatophilaceae;__;

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacterales;f__Rhodobacteraceae;g__Paracoccus;__

d_Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Lactobacillus;__

d_Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Family_X1;g__Fenollaria;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Caulobacterales;f__Caulobacteraceae;g__Brevundimonas;__

d_Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Limosilactobacillus;__

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;__;

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__Pelomonas;__

d_Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Lachnospiraceae_NK4A136_group;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Prevotellaceae;g__Prevotella_9;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Gammaproteobacteria_Incertae_Sedis;f__Unknown_Family;g__Acidibacter;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Vibrionaceae;g__Photobacterium;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Microbacteriaceae;g__Microbacterium;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Morganellaceae;g__Providencia;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Oscillospiraceae;g__UCG-005;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;__;

d_Bacteria;p__Cyanobacteria;c__Sericytochromatia;o__Sericytochromatia;f__Sericytochromatia;g__Sericytochromatia;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Enterobacteriaceae;g__Enterobacter;__

d_Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Ruminococcaceae;g__Subdoligranulum;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__uncultured;g__uncultured;s__bacterium_A52C2

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Chitinophagaceae;g__Sediminibacterium;__

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Actinomycetales;f__Actinomycetaceae;g__Actinomyces;s__uncultured_bacterium

d_Bacteria;p__Acidobacteriota;c__Acidobacteriae;o__Acidobacteriales;f__Acidobacteriaceae_(Subgroup_1);g__Terriglobus;__

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Micrococcaceae;g__Micrococcus;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Vibrionaceae;g__Photobacterium;__

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Corynebacteriales;f__Nocardiaceae;g__Rhodococcus;__

d_Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Anoxybacillus;s__uncultured_organism

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Micrococcaceae;g__Kocuria;__

d__Archaea;p__Euryarchaeota;c__Methanobacteria;o__Methanobacteriales;f__Methanobacteriaceae;g__Methanobrevibacter;s__uncultured_archaeon

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Aeromonadaceae;g__Aeromonas;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Methylophilaceae;g__Methylophilus;__

d_Bacteria;p__Actinobacteriota;c__Acidimicrobiia;o__Microtrichales;f__Ilumatobacteraceae;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Neisseriaceae;g__Uruburuella;s__Uruburuella_suis

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__Tepidimonas;__

d_Bacteria;p__Actinobacteriota;c__Thermoleophila;o__Gaiellales;f__uncultured;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Intrasporangiaceae;__;

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Flavobacteriaceae;g__Flavobacterium;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__Undibacterium;__

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Bifidobacteriales;f__Bifidobacteriaceae;g__Bifidobacterium;__

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Propionibacteriales;f__Nocardioidaceae;g__Nocardioides;__

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Bacteroidaceae;g__Bacteroides;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Erwiniaceae;__;

d_Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Fusicatenibacter;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Listeriaceae;g__Brochothrix;__

d_Bacteria;p__Firmicutes;c__Clostridia;o__Clostridia_UCG-014;f__Clostridia_UCG-014;g__Clostridia_UCG-014;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Prevotellaceae;g__Prevotella;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Pasteurellaceae;g__Haemophilus;s__uncultured_organism

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Dermatophilaceae;g__Austwickia;s__Austwickia_chelonae

d_Bacteria;p__Campylobacterota;c__Campylobacteria;o__Campylobacteriales;f__Arcobacteraceae;g__Malaciobacter;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Micrococcaceae;g__Rothia;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Enterobacteriaceae;g__Pseudocitrobacter;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacterales;f__Rhodobacteraceae;g__Paracoccus;s__Paracoccus_sp.

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Flavobacteriaceae;g__Flavobacterium;s__uncultured_bacterium

d_Bacteria;p__Cyanobacteria;c__Cyanobacteriia;o__Chloroplast;f__Chloroplast;g__Chloroplast;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Vibrionaceae;g__Vibrio;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Oscillospiraceae;g__Colidextribacter;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Ruminococcaceae;g__Ruminococcus;s__uncultured_bacterium

d_Bacteria;p__Acidobacteriota;c__Acidobacteriae;o__Subgroup_2;f__Subgroup_2;g__Subgroup_2;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Ruminococcus_torques_group;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__Comamonas;__

d_Bacteria;p__Actinobacteriota;c__Thermoleophila;o__Solirubrobacterales;f__67-14;g__67-14;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__Mucilaginibacter;

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Shewanellaceae;g__Shewanella;s__Shewanella_glacialipiscicola

d_Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Carnobacteriaceae;g__Carnobacterium;s__Carnobacterium_maltaromaticum

d_Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Family_XI;g__Anaerococcus;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Lactobacillus;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Neisseriaceae;g__Neisseria;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Idiomarinaceae;g__Aliidiomarina;s__Aliidiomarina_shirensis

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Nitrincolaceae;g__Nitrincola;s__Nitrincola_sp.

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__Alicyciphilus;s__Melaminivora_alkalimesophila

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Sphingobacterales;f__Sphingobacteriaceae;g__Pedobacter;__

d_Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Ruminococcaceae;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Mesorhizobium;__

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacterales;f__Rhodobacteraceae;g__Rubellimicrobium;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__Variovorax;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__Massilia;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Lacticaeibacillus;__

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Microbacteriaceae;g__Curtobacterium;__

d_Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Ruminococcaceae;g__Negativibacillus;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Coriobacteriia;o__Coriobacterales;f__Coriobacteriaceae;g__Collinsella;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Prevotellaceae;g__Alloprevotella;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Enterobacteriaceae;g__Citrobacter;__

d_Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae;g__Lactococcus;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Sutterellaceae;g__Sutterella;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Microbacteriaceae;g__Amnibacterium;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__Pseudomonas;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Cytophagales;f__Hymenobacteraceae;g__Hymenobacter;__

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rickettsiales;f__Mitochondria;g__Mitochondria;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Erwiniaceae;g__Pantoea;__

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Corynebacterales;f__Nocardiaceae;g__Gordonia;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Comamonadaceae;__;__

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Flavobacteriaceae;g__Mesonia;s__Illumonas_thalassia

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Bifidobacteriales;f__Bifidobacteriaceae;g__Bifidobacterium;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Lachnoclostridium;__

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Dermatophilaceae;g__uncultured;s__uncultured_actinobacterium

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Propionibacteriales;f__Propionibacteriaceae;g__Friedmanniella;s__uncultured_bacterium

d_Bacteria;p__Verrucomicrobiota;c__Verrucomicrobiae;o__Verrucomicrobiales;f__Akkermansiaceae;g__Akkermansia;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Azospirillales;f__Azospirillaceae;g__Skermanella;__

d_Bacteria;p__Firmicutes;c__Negativicutes;o__Acidaminococcales;f__Acidaminococcaceae;g__Phascolarctobacterium;s__uncultured_bacterium

d_Bacteria;p__Patescibacteria;c__Saccharimonadia;o__Saccharimonadales;f__Saccharimonadales;g__Saccharimonadas;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Rikenellaceae;g__Alistipes;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Thermoleophila;o__Solirubrobacterales;f__Solirubrobacteraceae;g__Solirubrobacter;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Bacilli;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Dubosiella;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Clostridium_sensu_stricto_1;__

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Bifidobacteriales;f__Bifidobacteriaceae;g__Gardnerella;s__Gardnerella_vaginalis

d_Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Roseburia;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Pasteurellaceae;g__Pasteurella;s__Pasteurella_multocida

d_Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__[Eubacterium]_coprostanoligenes_group;g__[Eubacterium]_coprostanoligenes_group;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Oscillospiraceae;g__Oscillibacter;s__uncultured_bacterium

d_Bacteria;p__Chloroflexi;c__KD4-96;f__KD4-96;g__KD4-96;g__KD4-96;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Propionibacteriales;f__Propionibacteriaceae;g__Micropruina;__

d_Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Lachnoclostridium;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Bacilli;o__Staphylococcales;f__Staphylococcaceae;g__Jeotgaliococcus;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Monoglobales;f__Monoglobaceae;g__Monoglobus;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Carnobacteriaceae;g__Atopostipes;s__Firmicutes_oral

d_Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Butyricicoccaceae;g__Butyricicoccus;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Sphingobacterales;f__Sphingobacteriaceae;g__Mucilaginibacter;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Rubrobacteria;o__Rubrobacterales;f__Rubrobacteriaceae;g__Rubrobacter;s__uncultured_bacterium

d_Bacteria;p__Campylobacterota;c__Campylobacteria;o__Campylobacteriales;f__Arcobacteraceae;g__Arcobacter;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Propionibacteriales;f__Nocardioidaceae;g__Nocardioides;s__uncultured_bacterium

d_Bacteria;p__Acidobacteriota;c__Acidobacteriae;o__Acidobacteriales;f__Acidobacteriaceae_(Subgroup_1);g__Granulicella;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Family_XI;g__Finegoldia;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Porphyromonadaceae;g__Porphyromonas;s__Porphyromonas_pogonae

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Rikenellaceae;g__Alistipes;__

d_Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Anoxybacillus;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Beijerinckiaceae;__;__

d_Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Agathobacter;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Caulobacterales;f__Caulobacteraceae;g__Phenylobacterium;__

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Acetobacterales;f__Acetobacteraceae;__;__

d_Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Limosilactobacillus;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Carnobacteriaceae;g__Granulicatella;__

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Micrococcaceae;g__Arthrobacter;__

d_Bacteria;p__Desulfobacterota;c__Desulfovibrionia;o__Desulfovibrionales;f__Desulfovibrionaceae;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Acidobacteriota;c__Blastocatellia;o__Pyrinomonadales;f__Pyrinomonadaceae;g__RB41;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Corynebacterales;f__Mycobacteriaceae;g__Mycobacterium;s__uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Rubrobacteria;o_Rubrobacterales;f_Rubrobacteriaceae;g_Rubrobacter;_
d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Frankiales;f_uncultured;g_uncultured;s_uncultured_bacterium
d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Frankiales;f_Geodermatophilaceae;g_Blastococcus;s_uncultured_bacterium
d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Shuttleworthia;s_uncultured_bacterium
d_Bacteria;p_Firmicutes;c_Clostridia;o_Peptostreptococcales-Tissierellales;f_Peptostreptococcaceae;g_Intestinibacter;_
d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Frankiales;f_Geodermatophilaceae;_:_
d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospiraceae_NK4A136_group;_
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Pseudomonadales;f_Nitriocolaceae;g_Nitriocola;_
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Prevotellaceae;g_Prevotella_7;s_uncultured_bacterium
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_Weeksellaceae;g_Cloacibacterium;s_uncultured_bacterium
d_Bacteria;p_Firmicutes;c_Negativicutes;o_Veillonellales-Selenomonadales;f_Veillonellaceae;g_Veillonella;_
d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Micrococcaceae;g_Pseudarthrobacter;_
d_Bacteria;p_Cyanobacteria;c_Cyanobacteriia;o_Cyanobacteriales;f_Chroococcidiopsaceae;g_uncultured;s_uncultured_bacterium
d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Sphingomonadales;f_Sphingomonadaceae;g_Altererythrobacter;_
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_Flavobacteriaceae;g_Capnocytophaga;_
d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Acetobacterales;f_Acetobacteraceae;g_Roseomonas;s_uncultured_bacterium
d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_PeM15;f_PeM15;g_PeM15;s_metagenome
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Acidovorax;_
d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Roseburia;s_uncultured_bacterium
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Pasteurellaceae;g_Haemophilus;s_uncultured_bacterium
d_Bacteria;p_Firmicutes;c_Negativicutes;o_Veillonellales-Selenomonadales;f_Veillonellaceae;g_Veillonella;s_uncultured_organism
d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Kineosporiales;f_Kineosporiaceae;_:_
d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Acetobacterales;f_Acetobacteraceae;g_Roseomonas;s_Roseomonas_sp.
d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Frankiales;f_Geodermatophilaceae;g_Blastococcus;_
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Alcaligenaceae;g_Alcaligenes;_
d_Bacteria;p_Firmicutes;c_Bacilli;o_Staphylococcales;f_Staphylococcaceae;g_Staphylococcus;s_Staphylococcus_sciuri
d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Coproccoccus;s_uncultured_bacterium
d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Corynebacteriales;f_Corynebacteriaceae;g_Corynebacterium;s_Corynebacterium_variabile
d_Bacteria;p_Firmicutes;c_Clostridia;o_Peptostreptococcales-Tissierellales;f_Peptostreptococcaceae;g_Paraclostridium;_
d_Bacteria;p_Actinobacteriota;c_Acidimicrobiia;o_Microtrichales;f_Microtrichaceae;g_Sva0996_marine_group;s_uncultured_bacterium
d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Atopobiaceae;g_Atopobium;s_uncultured_bacterium
d_Bacteria;p_Acidobacteriota;c_Blastocatellia;o_Pyrinomonadales;f_Pyrinomonadaceae;g_RB41;s_uncultured_Acidobacteria
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Alteromonadaceae;g_Rheinheimera;s_uncultured_bacterium
d_Bacteria;p_Acidobacteriota;c_Blastocatellia;o_Blastocatellales;f_Blastocatellaceae;g_Blastocatella;s_uncultured_bacterium
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Alteromonadaceae;g_Rheinheimera;_
d_Bacteria;p_Chloroflexi;c_AD3;o_AD3;f_AD3;g_AD3;s_uncultured_bacterium
d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Caulobacterales;f_Caulobacteraceae;g_uncultured;_
d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Sellimonas;_
d_Bacteria;p_Acidobacteriota;c_Vicinamibacteria;o_Vicinamibacterales;f_Vicinamibacteraceae;g_Vicinamibacteraceae;s_uncultured_bacterium
d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_[Ruminococcus]_gnavus_group;_
d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Hyphomicrobiaceae;g_Hyphomicrobium;_
d_Bacteria;p_Desulfobacterota;c_Desulfovibrionia;o_Desulfovibrionales;f_Desulfovibrionaceae;g_Bilophila;s_uncultured_bacterium
d_Bacteria;p_Chloroflexi;c_Gitt-GS-136;o_Gitt-GS-136;f_Gitt-GS-136;g_Gitt-GS-136;s_uncultured_bacterium
d_Bacteria;p_Derribacterota;c_Derribacteres;o_Derribacteriales;f_Derribacteraceae;g_Mucispirillum;s_uncultured_bacterium
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Cytophagales;f_Spirosomaceae;g_Dyadobacter;_
d_Bacteria;p_Firmicutes;c_Bacilli;o_Paenibacillales;f_Paenibacillaceae;g_Paenibacillus;_
d_Bacteria;p_Firmicutes;c_Clostridia;o_Peptostreptococcales-Tissierellales;f_Family_XI;g_Anaerococcus;_
d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Intrasporangiaceae;g_Lapilliococcus;_
d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_[Ruminococcus]_gnavus_group;s_uncultured_bacterium
d_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Clostridiaceae;g_Clostridium_sensu_stricto_1;s_uncultured_bacterium
d_Bacteria;p_Firmicutes;c_Clostridia;o_Peptostreptococcales-Tissierellales;f_Family_XI;g_Ezakiella;s_uncultured_bacterium
d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Aerococcaceae;g_Abiotrophia;s_uncultured_bacterium
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Burkholderia-Caballeronia-Paraburkholderia;s_Caballeronia_sordidicola
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Comamonas;s_uncultured_bacterium
d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Xanthobacteraceae;g_uncultured;_
d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Micrococcaceae;g_Rothia;_
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_Weeksellaceae;g_Moheibacter;s_uncultured_bacterium
d_Bacteria;p_Firmicutes;c_Bacilli;o_Bacillales;f_Planococcaceae;g_Planococcus;_
d_Bacteria;p_Cyanobacteria;c_Vampirivibrionia;o_Obscuribacterales;f_Obscuribacteraceae;g_Obscuribacteraceae;s_uncultured_bacterium
d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Carnobacteriaceae;g_Granulicatella;s_uncultured_bacterium
d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Streptomycetales;f_Streptomycetaceae;g_Streptomyces;_
d_Bacteria;p_Firmicutes;c_Clostridia;o_Peptostreptococcales-Tissierellales;f_Peptostreptococcaceae;g_Romboutsia;_
d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_uncultured_organism
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Oxalobacteraceae;g;_
d_Bacteria;p_Myxococcota;c_Polyangia;o_Nannocystales;f_Nannocystaceae;g_Nannocystis;_
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Sutterellaceae;g_Parasutterella;s_uncultured_bacterium
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Sutterellaceae;g_Sutterella;_
d_Bacteria;p_Firmicutes;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;_:_
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Colwelliaceae;g_Colwellia;s_uncultured_bacterium
d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospiraceae_XPB1014_group;s_uncultured_bacterium
d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Acetobacterales;f_Acetobacteraceae;g_Belnapia;s_uncultured_bacterium
d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Acetobacterales;f_Acetobacteraceae;g_Acidiphilium;s_uncultured_bacterium
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Xanthomonadales;f_Xanthomonadaceae;g_Thermomonas;_
d_Bacteria;p_Firmicutes;c_Clostridia;o_Peptostreptococcales-Tissierellales;f_Peptostreptococcaceae;g_Peptostreptococcus;_

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lactimospirales;i__Lactimospiraceae;g__Blautia;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Crocinitomicaceae;g__Brumimicrobium;s__Brumimicrobium_sp.

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Nitrosomonadaceae;g__Ellin6067;s__uncultured_bacterium

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Marinifilaceae;g__Odoribacter;s__unidentified

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Carnobacteriaceae;g__Alkalibacterium;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Caulobacteriales;f__Hyphomonadaceae;g__SWB02;s__uncultured_bacterium

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Microbacteriaceae;g__Frondihabians;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Novosphingobium;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Ligilactobacillus;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Clostridia;o__Christensenellales;f__Christensenellaceae;g__Christensenellaceae_R-7_group;s__uncultured_bacterium

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Dermacoccaceae;g__Kytococcus;__

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__uncultured;f__uncultured;g__uncultured;__

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Carnobacteriaceae;g__Atopostipes;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Burkholderiaceae;g__Cupriavidus;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Prevotellaceae;g__Prevotella;__

d__Bacteria;p__Firmicutes;c__Bacilli;o__Staphylococcales;f__Gemellaceae;g__Gemella;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__Massilia;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Flavobacteriaceae;g__Salinimicrobium;__

d__Bacteria;p__Acidobacteriota;c__Acidobacteriae;o__Acidobacteriales;f__Acidobacteriaceae_(Subgroup_1);__;__

d__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Clostridium_sensu_stricto_12;s__uncultured_bacterium

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Microbacteriaceae;g__Rhodoluna;__

d__Bacteria;p__Firmicutes;c__Negativicutes;o__Veillonellales-Selenomonadales;f__Selenomonadaceae;g__Anaerovibrio;s__uncultured_bacterium

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Microbacteriaceae;g__Subtercola;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__Undibacterium;s__uncultured_bacterium

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Micrococcaceae;__;__

d__Bacteria;p__Firmicutes;c__Bacilli;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Faecalibaculum;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacterales;f__Rhodobacteraceae;g__Falsirhodobacter;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__Sphingobacterium;s__Sphingobacterium_sp.

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Rhodanobacteraceae;g__uncultured;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Dorea;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Caulobacteriales;f__Caulobacteraceae;g__Caulobacter;__

d__Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Family_X1;g__Peptoniphilus;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__Aquabacterium;s__uncultured_bacterium

d__Bacteria;p__Chloroflexi;c__Dehalococcidia;o__S085;f__S085;g__S085;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Vibrionaceae;g__Salinivibrio;s__Salinivibrio_proteolyticus

d__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Geobacillus;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Chitinophagaceae;g__Terrimonas;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Beijerinckiaceae;g__uncultured;s__uncultured_bacterium

d__Bacteria;p__Campylobacterota;c__Campylobacteria;o__Campylobacteriales;f__Arcobacteraceae;g__Arcobacter;__

d__Bacteria;p__Campylobacterota;c__Campylobacteria;o__Campylobacteriales;f__Helicobacteraceae;g__Helicobacter;s__Helicobacter_pylori

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Actinomycetales;f__Actinomycetaceae;g__Actinomyces;__

d__Bacteria;p__Patescibacteria;c__Saccharimonadia;o__Saccharimonadales;f__Saccharimonadaceae;__;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Acetobacterales;f__Acetobacteraceae;g__Craurococcus-Caldovatus;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Sphingorhabdus;s__uncultured_bacterium

d__Bacteria;p__Desulfobacterota;c__Desulfobacteria;o__Desulfobacterales;f__Desulfosarcinaceae;g__uncultured;s__uncultured_delta

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Prevotellaceae;g__Paraprevotella;__

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Propionibacteriales;f__Propionibacteriaceae;g__Propioniciclava;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Pseudoalteromonadaceae;g__Pseudoalteromonas;s__Pseudoalteromonas_sp.

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Dermabacteraceae;g__Dermabacter;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Labraceae;g__Labrys;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacterales;f__Rhodobacteraceae;g__Amaricoccus;s__metagenome

d__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Halobacillus;__

d__Bacteria;p__Fusobacteriota;c__Fusobacteria;o__Fusobacteriales;f__Leptotrichiaceae;g__Hypnocyclus;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__[Eubacterium]_ruminantium_group;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Erysipelotrichales;f__Erysipelatoclostridiaceae;g__Erysipelatoclostridium;s__uncultured_bacterium

d__Bacteria;p__Actinobacteriota;c__MB-A2-108;o__MB-A2-108;f__MB-A2-108;g__MB-A2-108;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Eisenbergiella;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Pasteurellaceae;g__Avibacterium;s__Avibacterium_paragallinarum

d__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Lysinibacillus;__

d__Archaea;p__Crenarchaeota;c__Nitrososphaeria;o__Nitrososphaerales;f__Nitrososphaeraceae;g__Nitrososphaeraceae;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Cytophagales;f__Spirosomaceae;g__Spirosoma;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__[Ruminococcus]_torques_group;__

d__Bacteria;p__Chloroflexi;c__Chloroflexia;o__Thermomicrobiales;f__JG30-KF-CM45;g__JG30-KF-CM45;s__uncultured_bacterium

d__Bacteria;p__Actinobacteriota;c__Coriobacterii;o__Coriobacteriales;f__Atopobiaceae;g__Coriobacteriaceae_UCG-002;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__Legionellaceae;g__Legionella;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Faecalitalea;s__Faecalitalea_cylindroides

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Aerococcaceae;g__Eremococcus;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Allobaculum;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Chitinophagaceae;g__Hydrotalea;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Kurthia;s__uncultured_bacterium

d__Bacteria;p__Actinobacteriota;c__Acidimicrobia;o__IMCC26256;f__IMCC26256;g__IMCC26256;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Acidiferrobacterales;f__Acidiferrobacteraceae;g__Sulfurifustis;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Ochrobactrum;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Chitinophagaceae;g__Puia;

d_Bacteria;p_Firmicutes;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Incertae_Sedis;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Sphingomonadales;f_Sphingomonadaceae;g_Altererythrobacter;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Corynebacteriales;f_Corynebacteriaceae;g_Turicella;s_uncultured_bacterium

d_Bacteria;p_Patescibacteria;c_Gracilibacteria;o_Candidatus_Peribacteria;f_Candidatus_Peribacteria;g_Candidatus_Peribacteria;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Xanthobacteraceae;g_Afipia;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_B2M28;f_B2M28;g_B2M28;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Curvibacter;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_[Eubacterium]_xylanophilum_group;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Sphingomonadales;f_Sphingomonadaceae;g_Sphingobium;s_uncultured_bacterium

d_Archaea;p_Crenarchaeota;c_Nitrososphaeria;o_Group_1.1c;f_Group_1.1c;g_Group_1.1c;s_uncultured_archaeon

d_Bacteria;p_Cyanobacteria;c_Cyanobacteriia;o_Cyanobacteriales;f_Coleofasciculaceae;g_Microcoleus_SAG_1449-1a;__

d_Bacteria;p_Firmicutes;c_Clostridia;o_Peptostreptococcales-Tissierellales;f_Family_XI;g_Peptoniphilus;s_uncultured_bacterium

d_Bacteria;p_Bdellovibrionota;c_Oligoflexia;o_0319-6G20;f_0319-6G20;g_0319-6G20;s_uncultured_soil

d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_uncultured;__

d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Ligilactobacillus;__

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Micrococcaceae;g_Arthrobacter;s_Arthrobacter_sp.

d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Latilactobacillus;__

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Beijerinckiaceae;g_Bosea;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Pasteurellaceae;g_Aggregatibacter;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Yersiniaceae;g_Serratia;s_Serratia_sp.

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Pasteurellaceae;g_Avibacterium;__

d_Bacteria;p_Firmicutes;c_Clostridia;o_Peptostreptococcales-Tissierellales;f_Anaerovoracaceae;g_Family_XIII_UCG-001;s_uncultured_bacterium

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_Flavobacteriaceae;g_Flavobacterium;s_uncultured_Flavobacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Beijerinckiaceae;g_Microvirga;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Vibrionaceae;g_Vibrio;s_Vibrio_sp.

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_Rhodobacter;__

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_Flavobacteriaceae;g_Capnocytophaga;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_Rhodobacter;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Micrococcaceae;g_Nesterenkonia;s_Nesterenkonia_sp.

d_Bacteria;p_Firmicutes;c_Bacilli;o_Thermoactinomycetales;f_Thermoactinomycetaceae;g_Thermoactinomycetes;__

d_Bacteria;p_Firmicutes;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_UCG-002;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelatoclostridiaceae;g_Erysipelotrichaceae_UCG-003;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Bacilli;o_Staphylococcales;f_Staphylococcaceae;g_Staphylococcus;s_Staphylococcus_pettenkoferi

d_Bacteria;p_Firmicutes;c_Bacilli;o_Thermoactinomycetales;f_Thermoactinomycetaceae;g_Kroppenstedtia;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Neisseriaceae;g_Eikenella;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Negativicutes;o_Veillonellales-Selenomonadales;f_Veillonellaceae;g_Dialister;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_NK4A214_group;s_uncultured_bacterium

d_Bacteria;p_Gemmatimonadota;c_Gemmatimonadetes;o_Gemmatimonadales;f_Gemmatimonadaceae;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Marinifilaceae;g_Butyricimonas;__

d_Bacteria;p_Firmicutes;c_Desulfibacteriia;o_Desulfibacteriales;f_Desulfibacteriaceae;g_Desulfosporosinus;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Dorea;__

d_Archaea;p_Halobacterota;c_Methanosarcinia;o_Methanosarcinales;f_Methanosetaeaceae;g_Methanoseta;__

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Hyphomicrobiaceae;g_uncultured;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Aeromonadaceae;g_Aeromonas;s_Aeromonas_molluscorum

d_Bacteria;p_Firmicutes;c_Clostridia;o_Peptostreptococcales-Tissierellales;f_Family_XI;g_Parvimonas;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospira;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Oxalobacteraceae;g_Noviherberispirillum;__

d_Bacteria;p_Firmicutes;c_Negativicutes;o_Veillonellales-Selenomonadales;f_Selenomonadaceae;g_Megamonas;s_uncultured_Clostridiales

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Pseudomonadales;f_Moraxellaceae;g_Acinetobacter;s_Acinetobacter_sp.

d_Bacteria;p_Gemmatimonadota;c_Longimicrobia;o_Longimicrobiales;f_Longimicrobiaceae;g_Longimicrobiaceae;s_uncultured_bacterium

d_Bacteria;p_Bdellovibrionota;c_Oligoflexia;o_0319-6G20;f_0319-6G20;g_0319-6G20;s_uncultured_bacterium

d_Bacteria;p_Fusobacteriota;c_Fusobacteriia;o_Fusobacteriales;f_Leptotrichiaceae;g_Leptotrichia;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Beijerinckiaceae;g_Microvirga;s_uncultured_Microvirga

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Yersiniaceae;g_Serratia;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Holosporales;f_Holosporaceae;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Brevibacteriaceae;g_Brevibacterium;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Acetobacteriales;f_Acetobacteraceae;g_Craurococcus-Caldovatus;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Frankiales;f_Geodermatophilaceae;g_Klenkia;__

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Propionibacteriales;f_Propionibacteriaceae;g_Friedmanniella;__

d_Bacteria;p_Actinobacteriota;c_Acidimicrobia;o_Microtrichales;f_uncultured;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Acidimicrobia;o_Microtrichales;f_Microtrichaceae;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Chloroflexi;c_Anaerolineae;o_Anaerolineales;f_Anaerolineaceae;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Aerococcaceae;g_Facklamia;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Inhella;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Idiomarinaceae;g_Idiomarina;__

d_Bacteria;p_Elusimicrobiota;c_Elusimicrobia;o_Lineage_IV;f_Lineage_IV;g_Lineage_IV;s_uncultured_bacterium

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Sphingobacteriales;f_Sphingobacteriaceae;g_Mucilaginibacter;s_Mucilaginibacter_sp.

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Propionibacteriales;f_Propionibacteriaceae;g_Marinilutecoccus;s_Propionibacterineae_bacterium

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Micrococcaceae;g_Nesterenkonia;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Alcigenaceae;g_Achromobacter;__

d_Bacteria;p_Actinobacteriota;c_Acidimicrobia;o_uncultured;f_uncultured;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Corynebacteriales;f_Mycobacteriaceae;g_Mycobacterium;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Pseudomonadales;f_Moraxellaceae;g_Moraxella;s_uncultured_bacterium

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_Flavobacteriaceae;_;

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;_;

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Methylophilaceae;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Propionibacteriales;f_Nocardioidaceae;g_Nocardioides;s_Nocardioides_gilvus

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Frankiales;f_Nakamurellaceae;g_Nakamurella;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Comamonas;s_Comamonas_koreensis

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Propionibacteriales;f_Nocardioidaceae;g_Nocardioides;s_Nocardioides_aquaticus

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_Weeksellaceae;g_Elizabethingia;_

d_Bacteria;p_Firmicutes;c_Clostridia;o_Peptostreptococcales-Tissierellales;f_Peptostreptococcaceae;g_Clostridioides;s_Clostridioides_difficile

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Rhizobiales_Incertae_Sedis;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Microbacteriaceae;g_Leucobacter;s_uncultured_bacterium

d_Bacteria;p_Campylobacterota;c_Campylobacteria;o_Campylobacterales;f_Helicobacteraceae;g_Helicobacter;_

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Prevotellaceae;g_Prevotella_7;_

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Pasteurellaceae;g_Gallibacterium;s_Gallibacterium_anatis

d_Bacteria;p_Myxococcota;c_Polyangia;o_Polyangiales;f_Polyangiaceae;g_Polyangium;s_metagenome

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Cytophagales;f_Hymenobacteraceae;g_Hymenobacter;s_Hymenobacter_sp.

d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Atopobiaceae;g_Olsenella;s_Olsenella_sp.

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhodospirillales;f_uncultured;g_uncultured;s_metagenome

d_Bacteria;p_Actinobacteriota;c_Acidimicrobia;o_IMCC26256;f_IMCC26256;g_IMCC26256;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Acidimicrobia;o_Microtrichales;f_Illumatobacteraceae;g_CL500-29_marine_group;s_metagenome

d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnoanaerobaculum;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Bifidobacteriales;f_Bifidobacteriaceae;g_Bifidobacterium;s_Bifidobacterium_pullorum

d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Meridibacter;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Polynucleobacter;_

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Shewanellaceae;g_Shewanella;s_Shewanella_baltica

d_Bacteria;p_Thermotogota;c_Thermotogae;o_Petrotogales;f_Petrotogaceae;g_Oceanotoga;s_Oceanotoga_sp.

d_Bacteria;p_Acidobacteriota;c_Vicinamibacteria;o_Subgroup_17;f_Subgroup_17;g_Subgroup_17;s_uncultured_bacterium

d_Bacteria;p_Myxococcota;c_Polyangia;_;

d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_[Eubacterium]_eligens_group;_

d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Carnobacteriaceae;g_Alloiooccus;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Flavonifractor;_

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Steroidobacterales;f_Steroidobacteraceae;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Thermoleophila;o_Gaiellales;f_Gaiellaceae;g_Gaiella;s_uncultured_bacterium

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Bacteroidetes_BD2-2;g_Bacteroidetes_BD2-2;s_uncultured_bacterium

d_Bacteria;p_Cyanobacteria;c_Cyanobacteriia;o_Chloroplast;f_Chloroplast;g_Chloroplast;s_Oryza_sativa

d_Bacteria;p_Firmicutes;c_Clostridia;o_Peptostreptococcales-Tissierellales;f_Proteiniboraceae;g_Proteiniborus;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_GCA-900066575;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Aerococcaceae;g_Globicatella;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Ramlibacter;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Beijerinckiaceae;g_alphal_cluster;_

d_Bacteria;p_Myxococcota;c_Polyangia;o_Polyangiales;f_Blri41;g_Blri41;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Comamonas;s_Comamonas_odontotermis

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Steroidobacterales;f_Woeseiaceae;g_Woeseia;s_uncultured_bacterium

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Tannerellaceae;g_Parabacteroides;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Zetaproteobacteria;o_Mariprofundales;f_Mariprofundaceae;g_Mariprofundus;s_zeta_proteobacterium

d_Bacteria;p_Methylomirabilota;c_Methylomirabilia;o_Rokubacteriales;f_Rokubacteriales;g_Rokubacteriales;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridia_vadinBB60_group;f_Clostridia_vadinBB60_group;g_Clostridia_vadinBB60_group;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Carnobacteriaceae;g_Atopostipes;_

d_Bacteria;p_Desulfobacterota;c_Desulfuromonadia;o_Geobacterales;f_Geobacteraceae;g_Citrifermentans;s_Geobacter_sp.

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_Weeksellaceae;g_Elizabethingia;s_Elizabethingia_meningoseptica

d_Bacteria;p_Cyanobacteria;c_Cyanobacteriia;o_Cyanobacteriales;f_Xenococcaceae;g_Pleurocapsa_PCC-7319;s_Pleurocapsa_sp.

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Xanthomonadales;f_Rhodanobacteraceae;g_Rhodanobacter;_

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Elsterales;f_uncultured;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Rhizobiaceae;g_Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium;s_Neorhizobium_galegae

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Micrococcaceae;g_Citricoccus;_

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Vibrionaceae;g_Aliivibrio;s_uncultured_bacterium

d_Bacteria;p_Desulfobacterota;c_Desulfobacteria;o_Desulfobacterales;f_Desulfosarcinaceae;g_Sva0081_sediment_group;s_uncultured_delta

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Yersiniaceae;g_Serratia;s_Serratia_plymuthica

d_Bacteria;p_Desulfobacterota;c_Desulfobacteria;o_Desulfobacterales;f_Desulfosarcinaceae;g_SEEP-SRB1;s_uncultured_delta

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Porphyrimonadaceae;g_Porphyrimonas;s_Porphyrimonas_crevioricanis

d_Bacteria;p_Deferribacterota;c_Deferribacteres;o_Deferribacterales;f_Deferribacteraceae;g_Mucispirillum;s_Mucispirillum_sp.

d_Bacteria;p_Firmicutes;c_Negativicutes;o_Veillonellales-Selenomonadales;f_Selenomonadaceae;g_Megamonas;s_uncultured_organism

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Pseudonocardiales;f_Pseudonocardaceae;g_Actinophytocola;_

d_Bacteria;p_Actinobacteriota;c_Acidimicrobia;o_Actinomarinales;f_uncultured;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Rhizobiaceae;g_uncultured;_

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Pseudonocardiales;f_Pseudonocardaceae;g_Actinomycetospora;s_Actinomycetospora_chlora

d_Bacteria;p_Campylobacterota;c_Campylobacteria;o_Campylobacterales;f_Campylobacteraceae;g_Campylobacter;s_uncultured_bacterium

d_Archaea;p_Euryarchaeota;c_Methanobacteria;o_Methanobacteriales;f_Methanobacteriaceae;g_Methanobacterium;_

d_Bacteria;p_Deinococcota;c_Deinococci;o_Deinococcales;f_Trueperaceae;g_Truepera;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Negativicutes;o_Veillonellales-Selenomonadales;f_Veillonellaceae;g_Veillonella;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Frankiales;f_Nakamurellaceae;g_Nakamurella;_

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Sphingobacteriales;f_AKYH767;g_AKYH767;s_metagenome

d_Bacteria;p_Actinobacteriota;c_Thermoleophila;o_Solirubrobacterales;f_67-14;g_67-14;_

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Schizobacteriales;f_Schizobacteriaceae;g_Schizobacterium

d_Bacteria;p_Bacteriota;c_Sphingobacteriales;o_Sphingobacteriaceae;g_Sphingobacterium;__

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Chitinophagales;f_Chitinophagaceae;g_Flavisolibacter;__

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Frankiales;f_Geodermatophilaceae;g_Modestobacter;__

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Intrasporangiaceae;g_Ornithinimicrobium;__

d_Bacteria;p_Acidobacteriota;c_Vicinamibacteria;o_Vicinamibacteriales;f_Vicinamibacteraceae;g_Vicinamibacteraceae;__

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Sanguibacteraceae;g_Sanguibacter-Flavimobilis;__

d_Bacteria;p_Firmicutes;c_Bacilli;o_Alicyclobacillales;f_Alicyclobacillaceae;g_Tuwebacillus;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Methylophilaceae;g_Methylophilus;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Idiomarinaceae;g_Aliidiomarina;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Sutterellaceae;g_Sutterella;s_uncultured_organism

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Methylophilaceae;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Thermoleophilina;o_Gaiellales;f_uncultured;g_uncultured;__

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhodospirillales;f_Rhodospirillaceae;g_uncultured;s_metagenome

d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Ligilactobacillus;s_Lactobacillus_salivarius

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Rhizobacter;__

d_Bacteria;p_Myxococcota;c_Polyangia;o_Haliangiales;f_Haliangiaceae;g_Haliangium;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Pasteurellaceae;g_Haemophilus;__

d_Bacteria;p_Actinobacteriota;c_Thermoleophilina;o_Solirubrobacterales;f_Solirubrobacteraceae;g_Conexibacter;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Aeromonadaceae;g_Aeromonas;s_Aeromonas_rivuli

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Intrasporangiaceae;g_Ornithinimicrobium;s_uncultured_bacterium

d_Bacteria;p_Chloroflexi;c_TK10;o_TK10;f_TK10;g_TK10;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Rhizobacter;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Thermoleophilina;o_Solirubrobacterales;f_Solirubrobacteraceae;g_Solirubrobacter;__

d_Bacteria;__;__;__;__

d_Bacteria;p_Patescibacteria;c_Parcubacteria;o_Candidatus_Zambryskibacteria;f_Candidatus_Zambryskibacteria;g_Candidatus_Zambryskibacteria;s_Parcubacteria_group

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Chitinophagales;f_Chitinophagaceae;g_Flaviaestuaribacter;s_uncultured_bacterium

d_Bacteria;p_Gemmatimonadota;c_Longimicrobia;o_Longimicrobiales;f_Longimicrobiaceae;g_YC-ZSS-LKJ147;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Carnobacteriaceae;g_Carnobacterium;s_uncultured_bacterium

d_Bacteria;p_Acidobacteriota;c_Vicinamibacteria;o_Subgroup_17;f_Subgroup_17;g_Subgroup_17;__

d_Bacteria;p_Cyanobacteria;c_Cyanobacteriia;o_Cyanobacteriales;f_Coleofasciculaceae;g_Coleofasciculus_PCC-7420;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Thermoleophilina;o_Gaiellales;f_Gaiellaceae;g_Gaiella;__

d_Bacteria;p_Actinobacteriota;c_Acidimicrobia;o_Microtrichales;f_Iamiaceae;g_Iamia;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Incertae_Sedis;o_DTU014;f_DTU014;g_DTU014;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Morganellaceae;g_Morganella;s_Morganella_psychrotolerans

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Barnesiellaceae;g_Barnesiella;s_uncultured_bacterium

d_Bacteria;p_Deinococcota;c_Deinococci;o_Deinococcales;f_Deinococcaceae;g_Deinococcus;__

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Cytophagales;f_Hymenobacteraceae;g_Hymenobacter;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Intrasporangiaceae;g_Tetrasphaera;__

d_Bacteria;p_Gemmatimonadota;c_AKAU049;o_AKAU049;f_AKAU049;g_AKAU049;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Subdoligranulum;s_uncultured_Subdoligranulum

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Frankiales;f_Geodermatophilaceae;g_Geodermatophilus;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Limnochabacter;s_uncultured_bacterium

d_Bacteria;p_Desulfobacterota;c_Desulfobulbia;o_Desulfobulbales;f_Desulfocapsaceae;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Actinomycetales;f_Actinomycetaceae;g_Actinotignum;s_Actinotignum_schaalii

d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Enterococcaceae;g_Enterococcus;s_Enterococcus_faecium

d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Carnobacteriaceae;g_Jeotgalibaca;s_Trichococcus_sp.

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Sutterellaceae;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Patescibacteria;c_Saccharimonadia;o_Saccharimonadales;f_Saccharimonadaceae;g_Saccharimonadaceae;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Bacilli;o_Paenibacillales;f_Paenibacillaceae;g_Thermobacillus;s_uncultured_bacterium

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Sphingobacteriales;f_Sphingobacteriaceae;g_Mucilaginibacter;s_Sphingobacteriaceae_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_SC-I-84;g_SC-I-84;s_uncultured_beta

d_Bacteria;p_Firmicutes;c_Negativicutes;o_Veillonellales-Selenomonadales;f_Veillonellaceae;g_Megasphaera;s_uncultured_bacterium

d_Bacteria;p_Gemmatimonadota;c_S0134_terrestrial_group;o_S0134_terrestrial_group;f_S0134_terrestrial_group;g_S0134_terrestrial_group;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Bacilli;o_Bacillales;f_Bacillaceae;g_Geobacillus;s_Geobacillus_sp.

d_Bacteria;p_Bdellovibrionota;c_Bdellovibrionia;o_Bdellovibrionales;f_Bdellovibrionaceae;g_Bdellovibrio;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Diplorickettsiales;f_Diplorickettsiaceae;g_Rickettsiella;s_Rickettsiella_symbioint

d_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Clostridiaceae;g_Clostridium_sensu_stricto_13;__

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Sphingomonadales;f_Sphingomonadaceae;g_Sphingopyxis;__

d_Bacteria;p_Firmicutes;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_NK4A214_group;__

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_Limibaculum;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Caulobacteriales;f_Caulobacteraceae;g_uncultured;s_metagenome

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Reyranellales;f_Reyranellaceae;g_Reyranella;s_uncultured_bacterium

d_Bacteria;p_Armatimonadota;c_Fimbrimonadia;o_Fimbrimonadales;f_Fimbrimonadaceae;g_Fimbrimonadaceae;__

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Micrococcales;f_Micrococcaceae;g_Arthrobacter;s_Arthrobacter_agilis

d_Bacteria;p_Firmicutes;c_Bacilli;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Faecalicoccus;s_Faecalicoccus_pleomorphus

d_Archaea;p_Euryarchaeota;c_Methanobacteria;o_Methanobacteriales;f_Methanobacteriaceae;g_Methanobacterium;s_uncultured_archaeon

d_Bacteria;p_Spirochaetota;c_Spirochaetia;o_Spirochaetales;f_Spirochaetaceae;g_Treponema;s_uncultured_Treponema

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Xanthobacteraceae;g_Pseudorhodoplanes;__

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Prolixibacteraceae;g_Prolixibacter;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Acidovorax;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Methylophilaceae;g_Methylovorus;__

d_Bacteria;p_Acidobacteriota;c_Vicinamibacteria;o_Vicinamibacteriales;f_uncultured;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Negativicutes;o_Acidaminococcales;f_Acidaminococcaceae;g_Phascoglossaria;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacterales;f_Enterobacteriaceae;g_Klebsiella;s_Klebsiella_pneumoniae

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Prevotellaceae;g__Prevotellaceae_UCG-001;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Aerococcaceae;g__Aerococcus;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Gammaproteobacteria_Incertae_Sedis;f__Unknown_Family;g__Candidatus_Berkiella;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Holdemania;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Acetobacterales;f__Acetobacteraceae;g__Craurococcus-Caldovatus;s__uncultured_Craurococcus

d__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Clostridium_sensu_stricto_12;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Rhodanobacteraceae;g__Luteibacter;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Turicibacter;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Burkholderiaceae;g__Burkholderia-Caballeronia-Paraburkholderia;s__Burkholderia_sp.

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Pasteurellaceae;g__Gallibacterium;__

d__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Micrococcales;f__Intrasporangiaceae;g__AQUIpuribacter;__

d__Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Ruminococcaceae;g__[Eubacterium]_siraeum_group;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Azospirillales;f__Azospirillaceae;g__uncultured;s__metagenome

d__Archaea;p__Crenarchaeota;c__Nitrososphaeria;o__Nitrososphaerales;f__Nitrososphaeraceae;__;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Burkholderiaceae;g__Burkholderia-Caballeronia-Paraburkholderia;s__Caballeronia_udeis

d__Bacteria;p__Firmicutes;c__Negativicutes;o__Veillonellales-Selenomonadales;f__Veillonellaceae;g__Dialister;__

d__Bacteria;p__Nitrospirota;c__Thermodesulfobivibrionia;o__uncultured;f__uncultured;g__uncultured;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Ligilactobacillus;s__Lactobacillus_faecis

d__Bacteria;p__Desulfobacterota;c__Desulfuromonadia;__;__;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Hydrogenophilaceae;g__Hydrogenophilus;__

d__Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Oscillospiraceae;g__Oscillospira;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Rhodanobacteraceae;g__Luteibacter;__

d__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Clostridium_sensu_stricto_5;__

d__Bacteria;p__Firmicutes;c__Clostridia;o__Eubacteriales;f__Eubacteriaceae;g__Eubacterium;__

d__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus;s__Bacillus_megaterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Beijerinckiaceae;g__Psychroglaciecola;s__uncultured_bacterium

d__Bacteria;p__Cyanobacteria;c__Cyanobacteriia;o__Cyanobacteriales;f__Chroococcidiopsaceae;__;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacteriales;f__Rhodobacteraceae;g__uncultured;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Acetobacterales;f__Acetobacteraceae;g__Belnapia;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Shewanellaceae;g__Shewanella;s__Shewanella_denitrificans

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micromonosporales;f__Micromonosporaceae;g__Actinoplanes;s__uncultured_bacterium

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Tannerellaceae;g__Macellibacteroides;__

d__Bacteria;p__Actinobacteriota;c__Acidimicrobiia;o__Microtrichales;f__uncultured;g__uncultured;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Nitrosomonadaceae;g__MND1;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Family_XI;__;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodospirillales;f__uncultured;g__uncultured;s__gut_metagenome

d__Bacteria;p__Firmicutes;c__Bacilli;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Erysipelotrichaceae;s__Faecalitalea_sp.

d__Bacteria;p__Plantcomycetota;c__Phycisphaerae;o__Tepidisphaerales;f__Tepidisphaerales;g__Tepidisphaerales;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Beijerinckiaceae;g__uncultured;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__Janthinobacterium;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae;g__Streptococcus;s__Streptococcus_sp.

d__Bacteria;p__Campylobacterota;c__Campylobacteria;o__Campylobacteriales;f__Helicobacteraceae;g__Helicobacter;s__uncultured_bacterium

d__Bacteria;p__Deinococcota;c__Deinococci;o__Deinococcales;f__Deinococcaceae;g__Deinococcus;s__Deinococcus_sp.

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Aquaspirillaceae;g__Microvirgula;s__Microvirgula_aerodenitrificans

d__Bacteria;p__Plantcomycetota;c__Plantcomycetes;o__Pirellulales;f__Pirellulaceae;g__uncultured;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__uncultured;__

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__uncultured;s__uncultured_organism

d__Bacteria;p__Cyanobacteria;c__Cyanobacteriia;o__Cyanobacteriales;f__Coleofasciculaceae;g__Coleofasciculus_PCC-7420;s__uncultured_organism

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Aureimonas;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__Herminiimonas;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Clostridia;o__Peptococcales;f__Peptococcaceae;g__Peptococcus;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Clostridium_sensu_stricto_1;s__uncultured_organism

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__Escherichia-Shigella;s__Escherichia_coli

d__Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Ruminococcaceae;g__Negativibacillus;s__unidentified

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Alcanivoracaceae1;g__Alcanivorax;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Caulobacteriales;f__Caulobacteraceae;g__uncultured;s__uncultured_eubacterium

d__Bacteria;p__Acidobacteriota;c__Acidobacteriae;o__Bryobacteriales;f__Bryobacteraceae;g__Bryobacter;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Erysipelotrichales;f__Erysipelotrichaceae;g__uncultured;s__Clostridiales_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Holdemania;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Alcaligenaceae;g__Pigmentiphaga;s__metagenome

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacteriales;f__Rhodobacteraceae;__;__

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Corynebacteriales;f__Corynebacteriaceae;g__Turicella;s__uncultured_organism

d__Bacteria;p__Firmicutes;c__Bacilli;o__Alicyclobacillales;f__Alicyclobacillaceae;g__Tumebacillus;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__Sphingobacterium_spiritivorum

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Acetobacterales;f__Acetobacteraceae;g__Rubritepida;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Steroidobacteriales;f__Steroidobacteraceae;g__Steroidobacter;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Sphingomonas;s__metagenome

d__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Psychrobacillus;__

d__Bacteria;p__Spirochaetota;c__Spirochaetia;o__Spirochaetales;f__Spirochaetaceae;g__Treponema;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae;g__Streptococcus;s__uncultured_organism

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Thermomonas;s__uncultured_bacterium

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Chitinophagaceae;g__uncultured;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Alcaligenaceae;__;

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Diplorickettsiales;f__Diplorickettsiaceae;g__Aquicella;s__uncultured_gamma

d__Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__UCG-010;g__UCG-010;s__uncultured_bacterium

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Dysgonomonadaceae;g__Petrimonas;s__Petrimonas_mucosa

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Vagococcaceae;g__Vagococcus;s__uncultured_bacterium

d__Bacteria;p__Bdellovibrionota;c__Bdellovibrionia;o__Bdellovibrionales;f__Bdellovibrionaceae;g__Bdellovibrio;s__uncultured_bacterium

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Micrococcaceae;g__Glutamicibacter;__

d__Bacteria;p__Spirochaetota;c__Spirochaetia;o__Spirochaetales;f__Spirochaetaceae;g__Treponema;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Methylophilaceae;g__Methylophila;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__uncultured;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__HOC36;f__HOC36;g__HOC36;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__B2M28;f__B2M28;g__B2M28;s__uncultured_gamma

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Weeksellaceae;g__Chryseobacterium;s__Chryseobacterium_bernardeti

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Cytophagales;f__Microscillaceae;g__Ohtaekwangia;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Halomonadaceae;g__Halomonas;s__Halomonas_sp.

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__[Eubacterium]_ventriosum_group;s__uncultured_bacterium

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Pseudonocardiales;f__Pseudonocardaceae;g__Actinomycetospira;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Caulobacterales;f__Caulobacteraceae;g__Brevundimonas;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Thermoactinomycetales;f__Thermoactinomycetaceae;g__Melghirimyces;s__Melghirimyces_thermohalophilus

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Propionibacteriales;f__Nocardiodaceae;g__Marmoricola;s__uncultured_bacterium

d__Bacteria;p__RCP2-54;c__RCP2-54;o__RCP2-54;f__RCP2-54;g__RCP2-54;s__uncultured_bacterium

d__Archaea;p__Thermoplasmata;c__Thermoplasmata;o__Marine_Benthic_Group_D_and_DHVEG-1;f__Marine_Benthic_Group_D_and_DHVEG-1;g__Marine_Benthic_Group_D_and_DHVEG-1;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacteriales;f__Rhodobacteraceae;g__Defluviimonas;__

d__Bacteria;p__Chloroflexi;c__Anaerolineae;o__Anaerolineales;f__Anaerolineaceae;g__Pelolinea;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Chitinimonadaceae;g__Chitinivorax;s__metagenome

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Beijerinckiaceae;g__1174-901-12;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__CAG-56;s__uncultured_bacterium

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Flavobacteriaceae;g__Myroides;s__Myroides_odoratimimus

d__Bacteria;p__Patescibacteria;c__Parcubacteria;o__Candidatus_Kaiserbacteria;f__Candidatus_Kaiserbacteria;g__Candidatus_Kaiserbacteria;s__uncultured_bacterium

d__Bacteria;p__Acidobacteriota;c__Acidobacteriae;o__Acidobacteriales;f__Acidobacteriaceae(Subgroup_1);g__Occallatibacter;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Vibrionaceae;g__Vibrio;s__Vibrio_fluvialis

d__Bacteria;p__Desulfobacterota;c__Desulfobacteria;o__Desulfobacterales;f__Desulfosarcinaceae;g__Sva0081_sediment_group;s__uncultured_bacterium

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Pseudonocardiales;f__Pseudonocardaceae;g__Pseudonocardia;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Tuzzerella;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Alcaligenaceae;g__Bordetella;__

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Lachnoclostridium;s__uncultured_organism

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Yersiniaceae;g__Serratia;s__Serratia_fonticola

d__Bacteria;p__Actinobacteriota;c__Acidimicrobia;o__Microtrichales;f__Ilumatobacteraceae;g__Ilumatobacter;s__uncultured_bacterium

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Weeksellaceae;g__Cloacibacterium;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Rikenellaceae;g__Rikenellaceae_RC9_gut_group;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Aeromonadaceae;g__Aeromonas;s__Aeromonas_hydrophila

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__A2;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Peptostreptococcaceae;g__Sporacetigenium;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__Duganella;__

d__Bacteria;p__Firmicutes;c__Clostridia;o__Peptococcales;f__Peptococcaceae;g__uncultured;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Chromatiales;f__Sedimenticolaceae;g__uncultured;s__uncultured_deep-sea

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Propionibacteriales;f__Nocardiodaceae;g__Aeromicrobium;__

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Corynebacteriales;f__Corynebacteriaceae;g__Corynebacterium;s__Corynebacterium_faecale

d__Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Peptostreptococcaceae;g__Terrisporobacter;s__uncultured_bacterium

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Tannerellaceae;g__Parabacteroides;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Weeksellaceae;g__Chryseobacterium;s__Chryseobacterium_sp.

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Crocinitomicaceae;g__Fluviicola;__

d__Archaea;p__Thermoplasmata;c__Thermoplasmata;o__Marine_Benthic_Group_D_and_DHVEG-1;f__Marine_Benthic_Group_D_and_DHVEG-1;g__Marine_Benthic_Group_D_and_DHVEG-1;s__uncultured_archaeon

d__Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Ruminococcaceae;g__Candidatus_Soleaferrea;s__uncultured_bacterium

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Flavobacteriaceae;g__Eudoraea;__

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Flavobacteriaceae;g__Flavobacterium;s__Flavobacterium_sp.

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Rikenellaceae;g__Rikenellaceae_RC9_gut_group;s__Bacteroides_sp.

d__Bacteria;p__Firmicutes;c__Bacilli;o__Thermoactinomycetales;f__Thermoactinomycetaceae;g__Laceyella;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Methylophilaceae;g__Methylobacillus;__

d__Bacteria;p__Cyanobacteria;c__Cyanobacteriia;o__Synechococcales;f__Cyanobiaceae;g__Cyanobium_PCC-6307;__

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__CAG-56;__

d__Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Peptostreptococcales-Tissierellales;g__Gottschalkia;s__uncultured_bacterium

d__Bacteria;p__Desulfobacterota;c__Desulfobulbia;o__Desulfobulbales;f__Desulfocapsaceae;g__Desulforhopalus;s__Desulforhopalus_singaporensis

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__SC-I-84;g__SC-I-84;__

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Diplorickettsiales;f__Diplorickettsiaceae;g__Rickettsiella;s__uncultured_Rickettsiella

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Gammaproteobacteria_Incertae_Sedis;f__Unknown_Family;g__uncultured;s__uncultured_gamma

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Intrasporangiaceae;g__Aquipuribacter;s__Aquipuribacter_sp.

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;__;

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__TRA3-20;g__TRA3-20;__

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Kordiimonadales;f__uncultured;g__uncultured;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Gammaproteobacteria_Incertae_Sedis;f__Unknown_Family;g__Candidatus_Berkiella;s__uncultured_organism

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Ectothiorhodospirales;f__Ectothiorhodospiraceae;g__Thiogranum;__

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Microbacteriaceae;g__Rathayibacter;__

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Actinomycetales;f__Actinomycetaceae;g__Mehligiella;s__Mehligiella_curtisii

d_Bacteria;p__Firmicutes;c__Bacteroidia;o__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Moryella;s__Moryella_sp.

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Cytophagales;f__Cyclobacteriaceae;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Cyanobacteria;c__Cyanobacteriia;o__Chloroplast;f__Chloroplast;g__Chloroplast;s__uncultured_Chlorophyta

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Cytophagales;f__Spirosomaceae;g__Pseudarcicella;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__Mucilaginibacter;s__Mucilaginibacter_rigui

d_Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Peptostreptococcaceae;g__Peptostreptococcus;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Enterobacteriaceae;g__Enterobacter;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Bacilli;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Ileibacterium;s__Ileibacterium_valens

d_Bacteria;p__Acidobacteriota;c__AT-s3-28;o__AT-s3-28;f__AT-s3-28;g__AT-s3-28;s__uncultured_Acidobacteriaceae

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacterales;f__Rhodobacteraceae;g__Pseudorhodobacter;__

d_Bacteria;p__Desulfobacterota;c__Desulfovibrionia;o__Desulfovibrionales;f__Desulfovibrionaceae;g__Desulfovibrio;s__uncultured_bacterium

d_Bacteria;p__Acidobacteriota;c__Blastocatellia;o__Pyrinomonadales;f__Pyrinomonadaceae;g__RB41;__

d_Bacteria;p__Firmicutes;c__Bacilli;o__Thermoactinomycetales;f__Thermoactinomycetaceae;g__Novibacillus;__

d_Bacteria;p__Firmicutes;c__Bacilli;o__Exiguobacterales;f__Exiguobacteraceae;g__Exiguobacterium;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Neisseriaceae;g__Uruburuella;s__Neisseria_sp.

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Methylophilaceae;__;__

d_Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Anaerostipes;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Porphyromonadaceae;g__Porphyromonas;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Acidimicrobia;o__Microtrichales;f__Microtrichaceae;g__uncultured;__

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Frankiales;f__Sporichthyaceae;g__hgcl_clade;__

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Tannerellaceae;g__Parabacteroides;s__Parabacteroides_sp.

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Nitrosomonadaceae;g__Ellin6067;__

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Hyphomicrobiaceae;g__Hyphomicrobium;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Flavobacteriaceae;g__Myroides;__

d_Bacteria;p__Bdellovibrionota;c__Bdellovibrionia;o__Bacteriovoracales;f__Bacteriovoracaceae;g__Bacteriovorax;s__uncultured_bacterium

d_Bacteria;p__Gemmatimonadota;c__Gemmatimonadetes;o__Gemmatimonadales;f__Gemmatimonadaceae;g__uncultured;__

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Micrococcaceae;g__Garicola;s__Nesterenkonia_sp.

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Marinifilaceae;g__Odoribacter;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Chloroflexi;c__Anaerolineae;o__Anaerolineales;f__Anaerolineaceae;g__uncultured;s__uncultured_Anaerolineaceae

d_Bacteria;p__Verrucomicrobiota;c__Verrucomicrobiae;o__Opitutales;f__Opitutaceae;g__Lacunisphaera;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__TRA3-20;g__TRA3-20;s__uncultured_bacterium

d_Bacteria;p__Gemmatimonadota;c__Gemmatimonadetes;o__Gemmatimonadales;f__Gemmatimonadaceae;g__Gemmatimonas;s__uncultured_bacterium

d_Bacteria;p__Patescibacteria;c__Gracilibacteria;o__Gracilibacteria;f__Gracilibacteria;g__Gracilibacteria;__

d_Bacteria;p__Bdellovibrionota;c__Bdellovibrionia;o__Bdellovibrionales;f__Bdellovibrionaceae;g__Bdellovibrio;s__uncultured_Bdellovibrio

d__Archaea;p__Crenarchaeota;c__Nitrososphaeria;o__Nitrosotaleales;f__Nitrosotaleaceae;g__Candidatus_Nitrosotalea;__

d_Bacteria;p__Actinobacteriota;c__Thermoleophilia;o__Gaiellales;__;__;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__Legionellaceae;g__Legionella;__

d_Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Hungateiclostridiaceae;g__Ruminiclostridium;__

d_Bacteria;p__Chloroflexi;c__Ktedonobacteria;o__Ktedonobacterales;f__JG30-KF-AS9;g__JG30-KF-AS9;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Marinilabiliaceae;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Coriobacteriia;o__OPB41;f__OPB41;g__OPB41;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Morganellaceae;g__Proteus;__

d_Bacteria;p__Firmicutes;c__Bacilli;o__Staphylococcales;f__Staphylococcaceae;g__Macroccoccus;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__Rhodoferax;s__uncultured_bacterium

d_Bacteria;p__Cyanobacteria;c__Cyanobacteriia;o__Cyanobacteriales;f__Chroococcidiopsaceae;g__Aliterella;__

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__A0839;g__A0839;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Negativicutes;o__Veillonellales-Selenomonadales;f__Veillonellaceae;g__Megasphaera;__

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Weeksellaceae;g__Empedobacter;__

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Flavobacteriaceae;g__Planktosalinus;s__uncultured_bacterium

d_Bacteria;p__Verrucomicrobiota;c__Lentisphaeria;o__Oligosphaerales;f__Oligosphaeraceae;g__SBZC-1223;s__uncultured_bacterium

d_Bacteria;p__Desulfobacterota;c__Desulfuromonadia;o__Desulfuromonadales;f__Geopsychrobacteraceae;__;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Marinomonadaceae;g__Marinomonas;s__Marinomonas_sp.

d_Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Peptostreptococcaceae;g__Romboutsia;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Peptostreptococcales-Tissierellales;g__Alkaliphilus;__

d_Bacteria;p__Firmicutes;c__Bacilli;o__Alicyclobacillales;f__Alicyclobacillaceae;g__Tumebacillus;s__Tumebacillus_ginsengisoli

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__Rhodoferax;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Psychrobacter;s__Psychrobacter_sp.

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodospirillales;f__uncultured;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Propionibacteriales;f__Propionibacteriaceae;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Flavobacteriaceae;g__Winogradskyella;s__Winogradskyella_aurantia

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Aeromonadaceae;g__Aeromonas;s__Aeromonas_sp.

d_Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;__;__

d_Bacteria;p__Chloroflexi;c__JG30-KF-CM66;o__JG30-KF-CM66;f__JG30-KF-CM66;g__JG30-KF-CM66;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Proteiniclasticum;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Bacilli;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Erysipelothrix;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Chryseomicrobium;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__Xylophilus;s__Variovorax_sp.

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Methylophilaceae;g__Methylotenera;__

d_Bacteria;p__Actinobacteriota;c__Coriobacteriia;o__Coriobacteriales;f__Eggerthellaceae;g__Enterorhabdus;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Rhodanobacteraceae;g__Dokdonella;__

d_Bacteria;p__Gemmatimonadota;c__Gemmatimonadetes;o__Gemmatimonadales;f__Gemmatimonadaceae;g__Gemmatirosa;s__uncultured_soil

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacterales;f__Aeromonadaceae;g__Oceanisphaera;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Flavobacteriaceae;g__Robiginitalea;s__uncultured_bacterium

d_Bacteria;p_Desulfobacterota;c_Desulfobulbia;o_Desulfobulbales;f_Desulfobulbaceae;g_Desulfobulbus;s_uncultured_delta

d_Bacteria;p_Acidobacteriota;c_Blastocatellia;o_Blastocatellales;f_Blastocatellaceae;g_JGI_0001001-H03;__

d_Bacteria;p_Patescibacteria;c_ABY1;o_Candidatus_Falkowbacteria;f_Candidatus_Falkowbacteria;g_Candidatus_Falkowbacteria;__

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Stappiaceae;g_Stappia;__

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Sphingomonadales;f_Sphingomonadaceae;g_Ellin6055;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Sphingomonadales;f_Sphingomonadaceae;g_Sphingourantiacus;__

d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Stomatobaculum;s_uncultured_bacterium

d_Bacteria;p_Patescibacteria;c_Saccharimonadia;o_Saccharimonadales;f_Saccharimonadales;g_Saccharimonadales;__

d_Bacteria;p_Firmicutes;c_Clostridia;o_Oscillospirales;f_Ruminococcaceae;g_Anaerotruncus;__

d_Bacteria;p_Actinobacteriota;c_Coriobacteriia;o_Coriobacteriales;f_Eggerthellaceae;g_Eggerthella;s_uncultured_bacterium

d_Bacteria;p_Acidobacteriota;c_Acidobacteriae;o_Solibacterales;f_Solibacteraceae;g_Candidatus_Solibacter;s_uncultured_Acidobacteria

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_Tropicimonas;s_Psychromarinibacter_halotolerans

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Pseudomonadales;f_Halomonadaceae;g_Kushneria;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Clostridia;o_Peptostreptococcales-Tissierellales;f_Family_X1;g_Sporanaerobacter;__

d_Bacteria;p_Patescibacteria;c_CPR2;o_CPR2;f_CPR2;g_CPR2;s_uncultured_bacterium

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Muribaculaceae;g_Muribaculum;__

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Marinifilaceae;g_Odoribacter;__

d_Bacteria;p_Patescibacteria;c_Parcubacteria;o_Candidatus_Kaiserbacteria;f_Candidatus_Kaiserbacteria;g_Candidatus_Kaiserbacteria;s_metagenome

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Actinomycetales;f_Actinomycetaceae;g_Varibaculum;__

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Sphingomonadales;f_Sphingomonadaceae;g_Ellin6055;__

d_Bacteria;p_Desulfobacterota;c_uncultured;o_uncultured;f_uncultured;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Desulfobacterota;c_Desulfobacteria;o_Desulfatiglandales;f_Desulfatiglandaceae;g_Desulfatiglans;__

d_Bacteria;p_Chloroflexi;c_Anaerolineae;o_ADurb.Bin180;f_ADurb.Bin180;g_ADurb.Bin180;s_uncultured_organism

d_Bacteria;p_Patescibacteria;c_Parcubacteria;o_Candidatus_Kaiserbacteria;f_Candidatus_Kaiserbacteria;g_Candidatus_Kaiserbacteria;s_uncultured_soil

d_Bacteria;p_Nitrospirota;c_Nitrospira;o_Nitrospirales;f_Nitrospiraceae;g_Nitrospira;s_uncultured_bacterium

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Actinomycetales;f_Actinomycetaceae;g_F0332;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_WN-HWB-116;f_WN-HWB-116;g_WN-HWB-116;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Negativicutes;o_Veillonellales-Selenomonadales;f_Selenomonadaceae;g_Megamonas;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Xanthobacteraceae;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Rhizobiales_Incertae_Sedis;g_Bauldia;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Xanthomonadales;f_Xanthomonadaceae;g_Lysobacter;s_uncultured_Lysobacter

d_Bacteria;p_Gemmatimonadota;c_PAUC43f_marine_benthic_group;o_PAUC43f_marine_benthic_group;f_PAUC43f_marine_benthic_group;g_PAUC43f_marine_benthic_group;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospiraceae;s_uncultured_bacterium

d_Bacteria;p_Acidobacteriota;c_Blastocatellia;o_Pyrinomonadales;f_Pyrinomonadaceae;g_RB41;s_uncultured_Acidobacterium

d_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridia_UCG-014;f_Clostridia_UCG-014;g_Clostridia_UCG-014;s_unidentified

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Sphingobacteriales;f_Sphingobacteriaceae;__;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Diaphorobacter;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Clostridia;o_Christensenellales;f_Christensenellaceae;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Beijerinckiaceae;g_Roseiarcus;s_uncultured_Alphaproteobacteria

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Pseudomonadales;f_Pseudomonadaceae;g_Pseudomonas;s_Pseudomonas_fulva

d_Bacteria;p_Firmicutes;c_Clostridia;o_Lachnospirales;f_Lachnospiraceae;g_Lachnospiraceae_UCG-001;s_uncultured_bacterium

d_Bacteria;p_Patescibacteria;c_Saccharimonadia;o_Saccharimonadales;f_Saccharimonadales;g_Saccharimonadales;s_TM7_phylum

d_Bacteria;p_Firmicutes;c_Bacilli;o_Bacillales;f_Bacillaceae;g_Bacillus;s_Bacillus_sp.

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Chitinophagales;f_Chitinophagaceae;g_Flavisolibacter;s_uncultured_bacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Pelomonas;s_uncultured_bacterium

d_Bacteria;p_Acidobacteriota;c_Aminicenantia;o_Aminicenantales;f_Aminicenantales;g_Aminicenantales;s_uncultured_organism

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Diplorickettsiales;f_Diplorickettsiaceae;g_Rickettsiella;__

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rickettsiales;f_Mitochondria;g_Mitochondria;s_Persicaria_minor

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Streptosporangiales;f_Streptosporangiales_Incertae_Sedis;g_Motilibacter;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Clostridia;o_Oscillospirales;f_Oscillospiraceae;g_Oscillibacter;__

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_uncultured;f_uncultured;g_uncultured;s_uncultured_bacterium

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_Rikenella;s_uncultured_bacterium

d_Bacteria;p_Bacteroidota;c_Ignavibacteria;o_Ignavibacteriales;f_PHOS-HE36;g_PHOS-HE36;s_uncultured_bacterium

d_Bacteria;p_Campylobacterota;c_Campylobacteria;o_Campylobacteriales;f_Arcobacteraceae;g_Pseudarcobacter;__

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_Flavobacteriaceae;g_Psychroserpens;s_Psychroserpens_sp.

d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Cytophagales;f_Spirosomaceae;g_Dyadobacter;s_uncultured_bacterium

d_Bacteria;p_Planctomycetota;c_Phycisphaerae;o_Phycisphaerales;f_AKAU3564_sediment_group;g_AKAU3564_sediment_group;s_uncultured_organism

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Alcaligenaceae;g_Verticiella;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Oxalobacteraceae;g_Herbaspirillum;__

d_Bacteria;p_Cyanobacteria;c_Cyanobacteriia;o_Cyanobacteriales;__;__;__

d_Bacteria;p_Cyanobacteria;c_Cyanobacteriia;o_Synechococcales;f_Cyanobiaceae;g_Cyanobium_PCC-6307;s_uncultured_bacterium

d_Bacteria;p_Firmicutes;c_Negativicutes;o_Acidaminococcales;f_Acidaminococcaceae;g_Acidaminococcus;__

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales;f_Xanthobacteraceae;__;__

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Frankiales;f_uncultured;g_uncultured;s_uncultured_actinobacterium

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Comamonas;s_Comamonas_sp.

d_Bacteria;p_Firmicutes;c_Bacilli;o_Bacillales;f_Bacillaceae;g_Geobacillus;s_Geobacillus_thermodenitrificans

d_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Leuconostoc;s_Leuconostoc_carnosum

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Rhodocyclaceae;g_uncultured;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Comamonadaceae;g_Polaromonas;__

d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_Limbaculum;__

d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Frankiales;f_Acidothermaceae;g_Acidothermus;__

d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Yersiniaceae;g_Yersinia;s_Yersinia_kristensenii

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Prevotellaceae;__;_

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Bacteroidaceae;g__Bacteroides;s__uncultured_Bacteroides

d__Bacteria;p__Desulfobacterota;c__Desulfobulbia;o__Desulfobulbales;f__Desulfocapsaceae;g__Desulforhopalus;s__uncultured_bacterium

d__Bacteria;p__Patescibacteria;c__Parcubacteria;o__Candidatus_Nomurabacteria;f__Candidatus_Nomurabacteria;g__Candidatus_Nomurabacteria;s__uncultured_Parcubacteria

d__Bacteria;p__Chloroflexi;c__P2-11E;o__P2-11E;f__P2-11E;g__P2-11E;s__uncultured_bacterium

d__Bacteria;p__Cyanobacteria;c__Cyanobacteriia;o__Leptolyngbyales;f__Leptolyngbyaceae;__;_

d__Bacteria;p__Fusobacteriota;c__Fusobacteriia;o__Fusobacteriales;f__Fusobacteriaceae;g__Psychrilyobacter;s__uncultured_bacterium

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Microbacteriaceae;g__Agrococcus;__;_

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Micrococcaceae;g__Haematomicrobium;s__Haematomicrobium_sanguinis

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Micrococcaceae;g__Paeniglutamicibacter;__;_

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Crocinitomicaceae;g__Fluvicola;s__uncultured_bacterium

d__Bacteria;p__Campylobacterota;c__Campylobacteria;o__Campylobacteriales;f__Sulfurimonadaceae;g__Sulfuricurvum;__;_

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Sphingobacteriales;f__env.OPS_17;g__env.OPS_17;s__metagenome

d__Bacteria;p__Chloroflexi;c__Dehalococcoidia;o__MSBL5;f__MSBL5;g__MSBL5;s__uncultured_organism

d__Bacteria;p__Acidobacteriota;c__Acidobacteriae;o__Acidobacteriales;f__Acidobacteriaceae_(Subgroup_1);g__Bryocella;__;_

d__Bacteria;p__Firmicutes;c__Negativicutes;o__Acidaminococcales;f__Acidaminococcaceae;g__Succiniclasticum;__;_

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Halomonadaceae;g__Marinospirillum;__;_

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Reyranellales;f__Reyranellaceae;g__Reyranella;__;_

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Kaistiaceae;g__Kaistia;__;_

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Cellvibrionaceae;g__Cellvibrio;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Nitratireductor;__;_

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Perlucidibaca;s__Perlucidibaca_sp.

d__Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Hungateiclostridiaceae;g__UCG-012;s__uncultured_organism

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Aeromonadaceae;g__Oceanisphaera;__;_

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Propionibacteriales;f__Propionibacteriaceae;g__Cutibacterium;__;_

d__Bacteria;p__Bacteroidota;c__Chlorobia;o__Chlorobiales;f__Chlorobiaceae;g__Prosthecochloris;__;_

d__Bacteria;p__Patescibacteria;c__Saccharimonadia;o__Saccharimonadales;f__Saccharimonadaceae;g__Candidatus_Saccharimonas;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Anoxybacillus;__;_

d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Weissella;__;_

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Sphingobacteriales;f__LiUU-11-161;g__LiUU-11-161;__;_

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidetes_VC2.1_Bac22;f__Bacteroidetes_VC2.1_Bac22;g__Bacteroidetes_VC2.1_Bac22;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Micropepsales;f__Micropepsaceae;g__uncultured;__;_

d__Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Ethanologeneaceae;g__Ethanologenes;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Neisseriaceae;g__Kingella;s__uncultured_bacterium

d__Bacteria;p__Acidobacteriota;c__Holophagae;o__Subgroup_7;f__Subgroup_7;g__Subgroup_7;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacteriales;f__Rhodobacteraceae;g__Roseivivax;s__uncultured_organism

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__Legionellaceae;g__Legionella;s__Candidatus_Legionella

d__Bacteria;p__Fusobacteriota;c__Fusobacteriia;o__Fusobacteriales;f__Fusobacteriaceae;g__Cetobacterium;s__uncultured_bacterium

d__Bacteria;p__Deferissomatota;c__Defferissomatia;o__Defferissomatales;f__Defferissomataceae;g__Defferissoma;s__uncultured_bacterium

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Aeromonadaceae;g__Aeromonas;s__Aeromonas_popoffii

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Thiotrichales;f__Thiotrichaceae;g__uncultured;s__uncultured_bacterium

d__Bacteria;p__Desulfobacterota;c__Desulfobacteria;o__Desulfobacteriales;f__Desulfosarcinaceae;g__LCP-80;s__uncultured_organism

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Weeksellaceae;g__Chryseobacterium;s__uncultured_Bacteroidetes

d__Bacteria;p__Acidobacteriota;c__Blastocatellia;o__Blastocatellales;f__Blastocatellaceae;g__Blastocatella;__;_

d__Bacteria;p__Acidobacteriota;c__Blastocatellia;o__Blastocatellales;f__Blastocatellaceae;g__uncultured;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Thalassobacillus;__;_

d__Bacteria;p__Spirochaetota;c__Spirochaetia;o__Spirochaetales;f__Spirochaetaceae;g__Salinispira;s__Spirochaeta_lutea

d__Bacteria;p__Campylobacterota;c__Campylobacteria;o__Campylobacteriales;f__Arcobacteraceae;g__Arcobacteraceae;s__uncultured_bacterium

d__Bacteria;p__Patescibacteria;c__Gracilibacteria;o__Candidatus_Peribacteria;f__Candidatus_Peribacteria;g__Candidatus_Peribacteria;s__metagenome

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Rhodocyclaceae;g__Niveibacterium;s__uncultured_bacterium

d__Bacteria;p__Desulfobacterota;c__Desulfuromonadia;o__Desulfuromonadales;f__Syntrophotaleaceae;g__Syntrophotalea;s__uncultured_delta

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Kordiimonadales;g__uncultured;g__uncultured;s__uncultured_Kordiimonas

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Beijerinckiaceae;g__Methylobacterium-Methylorubrum;s__Methylobacterium_sp.

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Reyranellales;f__Reyranellaceae;g__uncultured;__;_

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rickettsiales;f__SM2D12;g__SM2D12;__;_

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Porphyrobacter;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Clostridia;o__Oscillospirales;f__Hungateiclostridiaceae;g__uncultured;s__uncultured_organism

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Shewanellaceae;g__Shewanella;s__Shewanella_sp.

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Yersiniaceae;g__Serratia;s__Klebsiella_pneumoniae

d__Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Anaerovoracaceae;g__[Eubacterium]_nodatum_group;__;_

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micromonosporales;f__Micromonosporaceae;__;_

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Micrococcales;f__Microbacteriaceae;g__Leucobacter;__;_

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Nitriliruptorales;f__Nitriliruptoraceae;g__Nitriliruptoraceae;s__uncultured_actinobacterium

d__Bacteria;p__Desulfobacterota;c__Desulfobacteria;o__Desulfobacteriales;f__Desulfosarcinaceae;g__uncultured;s__uncultured_organism

d__Bacteria;p__Acidobacteriota;c__Subgroup_22;o__Subgroup_22;f__Subgroup_22;g__Subgroup_22;s__uncultured_organism

d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Dysgonomonadaceae;g__uncultured;s__uncultured_Porphyrimonadaceae

d__Bacteria;p__Firmicutes;c__Bacilli;o__Thermoactinomycetales;f__Thermoactinomycetaceae;g__Planifilum;s__uncultured_compost

d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Aquaspirillaceae;g__Rivicola;__;_

d__Bacteria;p__Myxococcota;c__Polyangia;o__Polyangiales;f__Polyangiaceae;g__Pajaroellobacter;__;_

d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Oricola;s__Mesorhizobium_sp.

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Butyrivibrio;s__uncultured_bacterium

d__Bacteria;p__Fusobacteriota;c__Fusobacteriia;o__Fusobacteriales;f__Fusobacteriaceae;g__Fusobacterium;s__uncultured_bacterium

d__Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Anaerostipes;__;_

d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Corynebacteriales;f__Nocardiaceae;g__Nocardia

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Erwinaceae;g__Pantoea;s__gamma_proteobacterium

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__uncultured;f__uncultured;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Anaerovoracaceae;g__Anaerovorax;s__uncultured_bacterium

d_Bacteria;p__Desulfobacterota;c__Desulfobacteria;o__Desulfatiglandales;f__Desulfatiglandaceae;g__Desulfatiglans;s__benzene_mineralizing

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Bacteroidaceae;g__Bacteroides;s__Bacteroides_salysiae

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Weeksellaceae;g__Cruoricaptor;s__Cruoricaptor_ignavus

d_Bacteria;p__NB1-j;c__NB1-j;o__NB1-j;f__NB1-j;g__NB1-j;s__uncultured_bacterium

d_Bacteria;p__Patescibacteria;c__Parcubacteria;o__Candidatus_Nomurabacteria;f__Candidatus_Nomurabacteria;g__Candidatus_Nomurabacteria;__

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Cytophagales;f__Cyclobacteriaceae;g__Fulvivirga;__

d_Bacteria;p__Chloroflexi;c__Anaerolineae;o__Anaerolineales;f__Anaerolineaceae;g__UTCFX1;s__uncultured_bacterium

d_Bacteria;p__Spirochaetota;c__Spirochaetia;o__Spirochaetales;f__Spirochaetaceae;g__Spirochaeta_2;s__Spirochaeta_sp.

d_Bacteria;p__Chloroflexi;c__Chloroflexia;o__Thermomicrobiales;f__JG30-KF-CM45;g__JG30-KF-CM45;s__uncultured_Thermomicrobium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Alcaligenaceae;g__Kerstesia;s__uncultured_Bordetella

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Hydrogenophilaceae;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Diploricettsiales;f__Diploricettsiaceae;g__:_

d_Bacteria;p__Actinobacteriota;c__Coriobacteriia;o__Coriobacteriales;f__Atopobiaceae;g__Libanicoccus;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Acetobacterales;f__Acetobacteraceae;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Corynebacteriales;f__Mycobacteriaceae;g__Mycobacterium;s__Mycobacterium_sp.

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Bifidobacteriales;f__Bifidobacteriaceae;g__Bifidobacterium;s__Bifidobacterium_minimum

d_Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__Lachnospira;__

d_Bacteria;p__Patescibacteria;c__Saccharimonadia;o__Saccharimonadales;f__Saccharimonadaceae;g__TM7a;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Prevotellaceae;g__Prevotella;s__uncultured_rumen

d_Bacteria;p__Calditrichota;c__Calditrichia;o__Calditrichales;f__Calditrichaceae;g__Calditrichaceae;s__uncultured_Deferribacteres

d_Bacteria;p__Planctomycetota;c__OM190;o__OM190;f__OM190;g__OM190;s__uncultured_bacterium

d_Bacteria;p__Fermentibacterota;c__Fermentibacteria;o__Fermentibacterales;f__Fermentibacteraceae;g__Fermentibacteraceae;s__Candidatus_Aegiribacteria

d_Bacteria;p__Patescibacteria;c__ABY1;o__Candidatus_Magasanikbacteria;f__Candidatus_Magasanikbacteria;g__Candidatus_Magasanikbacteria;__

d_Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Marinococcaceae;g__Marinococcus;__

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Chitinophagaceae;g__Ferruginibacter;s__uncultured_bacterium

d_Bacteria;p__Spirochaetota;c__Spirochaetia;o__Spirochaetales;f__Spirochaetaceae;g__Treponema;s__Treponema_porcinum

d_Bacteria;p__Patescibacteria;c__Microgenomatia;o__Candidatus_Woesebacteria;f__Candidatus_Woesebacteria;g__Candidatus_Woesebacteria;s__uncultured_bacterium

d_Bacteria;p__Verrucomicrobiota;c__Verrucomicrobiae;o__Opitutales;f__Opitutaceae;g__Opitutus;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Nitrosomonadaceae;g__mle1-7;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacteriales;f__Rhodobacteraceae;g__Amaricoccus;__

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Acetobacterales;f__Acetobacteraceae;g__uncultured;s__alpha_proteobacterium

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Beijerinckiaceae;g__Microvirga;s__Microvirga_sp.

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Acetobacterales;f__Acetobacteraceae;g__uncultured;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__PLTA13;f__PLTA13;g__PLTA13;__

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Ga0077536;f__Ga0077536;g__Ga0077536;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Coriobacteriia;o__Coriobacteriales;f__Eggerthellaceae;g__:_

d_Bacteria;p__Desulfobacterota;c__Desulfovibrionia;o__Desulfovibrionales;f__Desulfovibrionaceae;g__Desulfovibrio;s__Desulfovibrio_alaskensis

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Psychromonadaceae;g__Psychromonas;s__Psychromonas_arctica

d_Bacteria;p__Desulfobacterota;c__Desulfobacteria;o__Desulfatiglandales;f__Desulfatiglandaceae;g__Desulfatiglans;s__uncultured_delta

d_Bacteria;p__Desulfobacterota;c__Desulfobacteria;o__Desulfatiglandales;f__Desulfatiglandaceae;g__Desulfatiglans;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Chitinophagaceae;g__Edaphobaculum;s__uncultured_bacterium

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__Flavobacteriaceae;g__NS3a_marine_group;s__uncultured_marine

d_Bacteria;p__Patescibacteria;c__ABY1;o__Candidatus_Magasanikbacteria;f__Candidatus_Magasanikbacteria;g__Candidatus_Magasanikbacteria;s__Candidatus_Magasanikbacteria

d_Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Aerococcaceae;g__Facklamia;s__uncultured_bacterium

d_Bacteria;p__Hydrogenedentes;c__Hydrogenedentia;o__Hydrogenedentiales;f__Hydrogenedensaceae;g__Hydrogenedensaceae;s__uncultured_organism

d_Bacteria;p__Chloroflexi;c__Anaerolineae;o__Anaerolineales;f__Anaerolineaceae;g__ADurb.Bin120;__

d_Bacteria;p__Spirochaetota;c__Spirochaetia;o__Spirochaetales;f__Spirochaetaceae;g__Spirochaeta;s__uncultured_organism

d_Bacteria;p__Acidobacteriota;c__Acidobacteriia;o__Acidobacteriales;f__Acidobacteriaceae(Subgroup_1);g__uncultured;__

d_Bacteria;p__Firmicutes;c__Clostridia;o__Lachnospirales;f__Lachnospiraceae;g__[Eubacterium]_hallii_group;s__uncultured_bacterium

d_Bacteria;p__Patescibacteria;c__Parcubacteria;o__Parcubacteria;f__Parcubacteria;g__Parcubacteria;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__Simplicispira;__

d_Bacteria;p__Acidobacteriota;c__Vicinamibacteria;o__Vicinamibacteriales;f__uncultured;g__uncultured;s__uncultured_Acidobacteria

d_Bacteria;p__Actinobacteriota;c__Coriobacteriia;o__Coriobacteriales;f__Atopobiaceae;g__Olsenella;s__uncultured_Olsenella

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Pseudonocardiales;f__Pseudonocardaceae;g__Actinomycesetospora;__

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Caulobacteriales;f__Caulobacteraceae;g__uncultured;s__uncultured_bacterium

d_Bacteria;p__Actinobacteriota;c__Acidimicrobia;o__Microtrichales;f__Ilumatobacteraceae;g__CL500-29_marine_group;__

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Reyranellales;f__Reyranellaceae;g__Reyranella;s__uncultured_Alphaproteobacteria

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Dongiiales;f__Dongiaceae;g__Dongia;__

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Devosiaceae;g__Devosia;__

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Defluviicoccales;f__Defluviicoccaceae;g__Defluviicoccus;__

d_Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Actinomycetales;f__Actinomycetaceae;g__Actinomyces;s__Actinomyces_graevenitzi

d_Bacteria;p__Firmicutes;c__Clostridia;o__Peptostreptococcales-Tissierellales;f__Family_XI;g__W5053;s__uncultured_bacterium

d_Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__Raoutella;__

d_Bacteria;p__Bacteroidota;c__Bacteroidia;o__Bacteroidales;f__Rikenellaceae;g__Rikenellaceae_RC9_gut_group;s__uncultured_bacterium

d_Bacteria;p__Firmicutes;c__Bacilli;o__Erysipelotrichales;f__Erysipelatoclostridiaceae;g__Erysipelatoclostridium;__

d_Bacteria;p__Firmicutes;c__Bacilli;o__Thermicanales;f__Thermicanaceae;g__Thermicanus;__

d_Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Leuconostoc;__

d_Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodospirillales;f__AEGEAN-169_marine_group;g__AEGEAN-169_marine_group;__

d_Archaea;p__Crenarchaeota;c__Nitrososphaeria;o__Nitrososphaerales;f__Nitrososphaeraceae;g__Nitrososphaeraceae;s__uncultured_archaeon

