```
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Candidatus Halobonum
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halapricum
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Haloarchaeobius
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Haloarcula
D 0 Archaea;D 1 Euryarchaeota;D 2 Halobacteria;D 3 Halobacteriales;D 4 Halobacteriaceae;D 5 Halobacterium
  D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halobaculum
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halobellus
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halococcus
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D 5 Haloferax
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halogranum
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halolamina
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halomarina
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halomicroarcula
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halomicrobium
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halopiger
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Haloplanus
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halorhabdus
      \label{local-problem} D\_0\_Archaea; D\_1\_Euryarchaeota; D\_2\_Halobacteria; D\_3\_Halobacteriales; D\_4\_Halobacteriaceae; D\_5\_Halorientalis
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halorubellus
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halorubrum
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halorussus
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halosimplex
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Halovenus
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Natronoarchaeum
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Natronomonas
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_Salinarchaeum
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;D_5_uncultured
D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae;Other
D_0_Archaea;D_1_Nanohaloarchaeota;D_2_uncultured archaeon;D_3_uncultured archaeon;D_4_uncultured archaeon;D_5_uncultured archaeon
D_0_Archaea;D_1_Nanohaloarchaeota;D_2_uncultured haloarchaeon;D_3_uncultured haloarchaeon;D_4_uncultured haloarchaeon;D_5_uncultured haloarchaeon
D_0_Archaea;D_1_Nanohaloarchaeota;Other;Other;Other
D_0_Archaea;D_1_Thaumarchaeota;D_2_Soil Crenarchaeotic Group(SCG);D_3_uncultured archaeon;D_4_uncultured archaeon;D_5_uncultured archaeon
D_0_Bacteria;D_1_Acidobacteria;D_2_Acidobacteria;D_3_Acidobacteriales;D_4_Acidobacteriaceae (Subgroup 1);D_5_Terriglobus
D_0_Bacteria;D_1_Acidobacteria;D_2_Acidobacteria;D_3_Acidobacteriales;D_4_Acidobacteriaceae (Subgroup 1);D_5_uncultured
  D_0_Bacteria;D_1_Acidobacteria;D_2_Acidobacteria;D_3_Subgroup 3;D_4_Unknown Family;D_5_Bryobacter
 D_0_Bacteria;D_1_Acidobacteria;D_2_Acidobacteria;D_3_Subgroup 3;D_4_Unknown Family;D_5_Candidatus Solibacter
D_0_Bacteria;D_1_Acidobacteria;D_2_Acidobacteria;D_3_Subgroup 4;D_4_RB41;D_5_uncultured bacterium
D_0_Bacteria;D_1_Acidobacteria;D_2_Acidobacteria;D_3_Subgroup 4;D_4_Unknown Family;D_5_Blastocatella
D_0_Bacteria;D_1_Actinobacteria;D_2_Acidimicrobiia;D_3_Acidimicrobiales;D_4_uncultured;D_5_uncultured bacterium
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Actinomycetales;D_4_Actinomycetaceae;D_5_Actinomyces
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Corynebacteriales;D_4_Corynebacteriaceae;D_5_Corynebacterium
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Corynebacteriales;D_4_Corynebacteriaceae;D_5_Corynebacterium 1
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Corynebacteriales;D_4_Corynebacteriaceae;D_5_uncultured
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Corynebacteriales;D_4_Nocardiaceae;D_5_Nocardia
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;D_4_Frankiaceae;D_5_Jatrophihabitans
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;D_4_Geodermatophilaceae;D_5_Blastococcus
     D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;D_4_Geodermatophilaceae;D_5_Geodermatophilus
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;D_4_Geodermatophilaceae;Other
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;D_4_Nakamurellaceae;D_5_Nakamurella
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;D_4_Sporichthyaceae;D_5_uncultured
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;D_4_uncultured;D_5_uncultured bacterium
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;D_4_uncultured;Other
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;Other;Other
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Kineosporiales;D_4_Kineosporiaceae;D_5_Quadrisphaera
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Kineosporiales;D_4_Kineosporiaceae;Other
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Micrococcales;D_4_Intrasporangiaceae;D_5_Aquipuribacter
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Micrococcales;D_4_Intrasporangiaceae;D_5_Ornithinicoccus
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Micrococcales;D_4_Intrasporangiaceae;D_5_Ornithinimicrobium
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Micrococcales;D_4_Intrasporangiaceae;D_5_Oryzihumus
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Micrococcales;D_4_Micrococcaceae;D_5_Arthrobacter
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Propionibacteriales;D_4_Nocardioidaceae;D_5_Aeromicrobium
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Propionibacteriales;D_4_Nocardioidaceae;D_5_Marmoricola
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Propionibacteriales;D_4_Nocardioidaceae;D_5_Nocardioides
 D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Propionibacteriales;D_4_Nocardioidaceae;D_5_uncultured
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Propionibacteriales;D_4_Propionibacteriaceae;D_5_Friedmanniella
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Propionibacteriales;D_4_Propionibacteriaceae;D_5_Granulicoccus
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Propionibacteriales;D_4_Propionibacteriaceae;D_5_Microlunatus
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Propionibacteriales;D_4_Propionibacteriaceae;D_5_Propionibacterium
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Propionibacteriales;D_4_Propionibacteriaceae;Other
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Pseudonocardiales;D_4_Pseudonocardiaceae;D_5_Pseudonocardia
D_0_Bacteria;D_1_Actinobacteria;D_2_Nitriliruptoria;D_3_Euzebyales;D_4_Euzebyaceae;D_5_Euzebya
D_0_Bacteria;D_1_Actinobacteria;D_2_Rubrobacteria;D_3_Rubrobacterales;D_4_Rubrobacteriaceae;D_5_Rubrobacter
D_0_Bacteria;D_1_Actinobacteria;D_2_Thermoleophilia;D_3_Solirubrobacterales;D_4_0319-6M6;D_5_uncultured bacterium
D_0_Bacteria;D_1_Actinobacteria;D_2_Thermoleophilia;D_3_Solirubrobacterales;D_4_0319-6M6;Other
D_0_Bacteria;D_1_Actinobacteria;D_2_Thermoleophilia;D_3_Solirubrobacterales;D_4_480-2;Other
     D 0 Bacteria; D 1 Actinobacteria; D 2 Thermoleophilia; D 3 Solirubrobacterales; D 4 Patulibacteraceae; D 5 Patulibacter
D_0_Bacteria;D_1_Armatimonadetes;D_2_Armatimonadia;D_3_Armatimonadales;D_4_uncultured bacterium;D_5_uncultured bacterium
D_0_Bacteria;D_1_Armatimonadetes;D_2_uncultured bacterium;D_3_uncultured bacterium;D_4_uncultured bacterium;D_5_uncultured bacterium
D_0_Bacteria;D_1_Bacteroidetes;D_2_Bacteroidia;D_3_Bacteroidales;D_4_Porphyromonadaceae;D_5_Porphyromonas
D_0_Bacteria;D_1_Bacteroidetes;D_2_Bacteroidia;D_3_Bacteroidales;D_4_Prevotellaceae;D_5_Prevotella
D_0_Bacteria;D_1_Bacteroidetes;D_2_Cytophagia;D_3_Cytophagales;D_4_Cytophagaceae;D_5_Hymenobacter
D_0_Bacteria;D_1_Bacteroidetes;D_2_Cytophagia;D_3_Cytophagales;D_4_Cytophagaceae;D_5_Persicitalea
D_0_Bacteria;D_1_Bacteroidetes;D_2_Cytophagia;D_3_Cytophagales;D_4_Flammeovirgaceae;D_5_Tunicatimonas
D_0_Bacteria;D_1_Bacteroidetes;D_2_Cytophagia;D_3_Cytophagales;D_4_MWH-CFBk5;D_5_uncultured bacterium
D_0_Bacteria;D_1_Bacteroidetes;D_2_Cytophagia;D_3_Order II;D_4_Rhodothermaceae;D_5_Rubrivirga
D_0_Bacteria;D_1_Bacteroidetes;D_2_Cytophagia;D_3_Order II;D_4_Rhodothermaceae;D_5_Salinibacter
D_0_Bacteria;D_1_Bacteroidetes;D_2_Cytophagia;D_3_Order II;D_4_Rhodothermaceae;D_5_uncultured
D_0_Bacteria;D_1_Bacteroidetes;D_2_Flavobacterila;D_3_Flavobacteriales;D_4_Cryomorphaceae;D_5_Owenweeksia
D_0_Bacteria;D_1_Bacteroidetes;D_2_Flavobacteriia;D_3_Flavobacteriales;D_4_Flavobacteriaceae;D_5_Flavobacterium
D_0_Bacteria;D_1_Bacteroidetes;D_2_Sphingobacteriia;D_3_Sphingobacteriales;D_4_Chitinophagaceae;D_5_Ferruginibacter
D_0_Bacteria;D_1_Bacteroidetes;D_2_Sphingobacteriia;D_3_Sphingobacteriales;D_4_Chitinophagaceae;D_5_Flavisolibacter
D_0_Bacteria;D_1_Bacteroidetes;D_2_Sphingobacteriia;D_3_Sphingobacteriales;D_4_Chitinophagaceae;D_5_Hydrotalea
  D_0_Bacteria;D_1_Bacteroidetes;D_2_Sphingobacteriia;D_3_Sphingobacteriales;D_4_Chitinophagaceae;D_5_Segetibacter
  D_0_Bacteria;D_1_Bacteroidetes;D_2_Sphingobacteriia;D_3_Sphingobacteriales;D_4_Chitinophagaceae;D_5_uncultured
D_0_Bacteria;D_1_Bacteroidetes;D_2_Sphingobacteriia;D_3_Sphingobacteriales;D_4_Sphingobacteriaceae;D_5_Arcticibacter
D_0_Bacteria;D_1_Bacteroidetes;D_2_Sphingobacteriia;D_3_Sphingobacteriales;D_4_Sphingobacteriaceae;D_5_Mucilaginibacter
D_0_Bacteria;D_1_Bacteroidetes;D_2_Sphingobacteriia;D_3_Sphingobacteriales;D_4_Sphingobacteriaceae;D_5_Pedobacter
D_0_Bacteria;D_1_Chloroflexi;D_2_Ardenticatenia;D_3_Ardenticatenales;D_4_uncultured bacterium;D_5_uncultured bacterium
D_0_Bacteria;D_1_Chloroflexi;D_2_Ktedonobacteria;D_3_C0119;Other;Other
D_0_Bacteria;D_1_Chloroflexi;D_2_Thermomicrobia;D_3_JG30-KF-CM45;D_4_uncultured bacterium;D_5_uncultured bacterium
D_0_Bacteria;D_1_Cyanobacteria;D_2_Chloroplast;D_3_uncultured Chlorophyta;D_4_uncultured Chlorophyta;D_5_uncultured Chlorophyta
D_0_Bacteria;D_1_Cyanobacteria;D_2_Chloroplast;D_3_uncultured bacterium;D_4_uncultured bacterium;D_5_uncultured bacterium
D_0_Bacteria;D_1_Cyanobacteria;D_2_Chloroplast;D_3_uncultured eukaryote;D_4_uncultured eukaryote;D_5_uncultured eukaryote
D_0_Bacteria;D_1_Cyanobacteria;D_2_Chloroplast;D_3_uncultured organism;D_4_uncultured organism;D_5_uncultured organism
     \label{lem:continuity} $D\_0\_Bacteria; D\_1\_Cyanobacteria; D\_2\_Chloroplast; Other; Oth
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionI;D_4_FamilyI;D_5_Chroogloeocystis
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionI;D_4_FamilyI;D_5_Cyanothece
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_Subsectionl;D_4_FamilyI;D_5_Mastigocladopsis
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionII;D_4_FamilyII;D_5_Chroococcidiopsis
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionIII;D_4_FamilyI;D_5_Leptolyngbya
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionIII;D_4_FamilyI;D_5_Microcoleus
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionIII;D_4_FamilyI;D_5_Phormidium
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionIII;D_4_FamilyI;D_5_uncultured
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionIII;D_4_FamilyI;D_5_uncultured cyanobacterium
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionIII;D_4_FamilyI;Other
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionIV;D_4_FamilyI;D_5_Nostoc
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_uncultured;D_4_uncultured bacterium;D_5_uncultured bacterium
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_uncultured;Other;Other
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;Other;Other
D_0_Bacteria;D_1_Deinococcus-Thermus;D_2_Deinococci;D_3_Deinococcales;D_4_Deinococcaceae;D_5_Deinococcus
D_0_Bacteria;D_1_Deinococcus-Thermus;D_2_Deinococci;D_3_Deinococcales;D_4_Trueperaceae;D_5_Truepera
 D_0_Bacteria;D_1_Firmicutes;D_2_Bacilli;D_3_Bacillales;D_4_Bacillaceae;D_5_Aeribacillus
D_0_Bacteria;D_1_Firmicutes;D_2_Bacilli;D_3_Bacillales;D_4_Family XI;D_5_Gemella
D_0_Bacteria;D_1_Firmicutes;D_2_Bacilli;D_3_Bacillales;D_4_Staphylococcaceae;D_5_Staphylococcus
D_0_Bacteria;D_1_Firmicutes;D_2_Bacilli;D_3_Lactobacillales;D_4_Aerococcaceae;D_5_Abiotrophia
D_0_Bacteria;D_1_Firmicutes;D_2_Bacilli;D_3_Lactobacillales;D_4_Carnobacteriaceae;D_5_Granulicatella
D_0_Bacteria;D_1_Firmicutes;D_2_Bacilli;D_3_Lactobacillales;D_4_Streptococcaceae;D_5_Lactococcus
D_0_Bacteria;D_1_Firmicutes;D_2_Clostridia;D_3_Clostridiales;D_4_Family XI;D_5_Anaerococcus
D_0_Bacteria;D_1_Firmicutes;D_2_Clostridia;D_3_Clostridiales;D_4_Family XI;D_5_Finegoldia
D_0_Bacteria;D_1_Firmicutes;D_2_Clostridia;D_3_Clostridiales;D_4_Family XI;D_5_Peptoniphilus
D_0_Bacteria;D_1_Fusobacteria;D_2_Fusobacteriia;D_3_Fusobacteriales;D_4_Fusobacteriaceae;D_5_Fusobacterium
D_0_Bacteria;D_1_Gemmatimonadetes;D_2_Gemmatimonadetes;D_3_AT425-EubC11 terrestrial group;D_4_uncultured bacterium;D_5_uncultured bacterium
     D_0_Bacteria;D_1_Planctomycetes;D_2_Phycisphaerae;D_3_Phycisphaerales;D_4_Phycisphaeraceae;D_5_uncultured
D_0_Bacteria;D_1_Planctomycetes;D_2_Phycisphaerae;D_3_Phycisphaerales;D_4_Phycisphaeraceae;Other
D_0_Bacteria;D_1_Planctomycetes;D_2_Planctomycetacia;D_3_Planctomycetales;D_4_Planctomycetaceae;D_5_Singulisphaera
D_0_Bacteria;D_1_Planctomycetes;D_2_Planctomycetacia;D_3_Planctomycetales;D_4_Planctomycetaceae;Other
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Caulobacterales;D_4_Caulobacteraceae;D_5_Brevundimonas
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Caulobacterales;D_4_Caulobacteraceae;D_5_Phenylobacterium
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Caulobacterales;D_4_Caulobacteraceae;D_5_uncultured
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhizobiales;D_4_1174-901-12;D_5_uncultured bacterium
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhizobiales;D_4_1174-901-12;Other
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhizobiales;D_4_D05-2;D_5_uncultured bacterium
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhizobiales;D_4_JG34-KF-361;D_5_uncultured bacterium
 \qquad \qquad \textbf{D\_0\_Bacteria;D\_1\_Proteobacteria;D\_2\_Alphaproteobacteria;D\_3\_Rhizobiales;D\_4\_Methylobacteriaceae;D\_5\_Methylobacterium ) } \\
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhodobacterales;D_4_Rhodobacteraceae;D_5_Planktotalea
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhodobacterales;D_4_Rhodobacteraceae;D_5_Rubellimicrobium
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhodobacterales;D_4_Rhodobacteraceae;D_5_uncultured
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhodospirillales;D_4_Acetobacteraceae;D_5_Acidiphilium
  D_0_Bacteria;D_1__Proteobacteria;D_2_Alphaproteobacteria;D_3__Rhodospirillales;D_4_Acetobacteraceae;D_5__Roseomonas
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhodospirillales;D_4_Rhodospirillaceae;D_5_Skermanella
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Sphingomonadales;D_4_AKYG937;Other
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Sphingomonadales;D_4_Ellin6055;D_5_uncultured bacterium
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Sphingomonadales;D_4_JG34-KF-161;Other
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Sphingomonadales;D_4_Sphingomonadaceae;D_5_Polymorphobacter
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Sphingomonadales;D_4_Sphingomonadaceae;D_5_Sphingomonas
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Sphingomonadales;D_4_Sphingomonadaceae;Other
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Sphingomonadales;Other;Other
D_0_Bacteria;D_1_Proteobacteria;D_2_Betaproteobacteria;D_3_Burkholderiales;D_4_Comamonadaceae;D_5_Variovorax
D_0_Bacteria;D_1_Proteobacteria;D_2_Betaproteobacteria;D_3_Burkholderiales;D_4_Oxalobacteraceae;D_5_Massilia
D_0_Bacteria;D_1_Proteobacteria;D_2_Betaproteobacteria;D_3_Neisseriales;D_4_Neisseriaceae;D_5_Neisseria
    \begin{tabular}{ll} $D_0$ Bacteria; $D_1$ Proteobacteria; $D_2$ Betaproteobacteria; $D_3$ Neisseriales; $D_4$ Neisseriaceae; $D_5$ uncultured and $D_1$ neighbors are also such as the provided Highest Neighbors and $D_1$ neighbors are also such as the provided Highest Neighbors and $D_1$ neighbors are also such as the provided Highest Neighbors are also such as the provided Highest Neighbors and $D_1$ neighbors are also such as the provided Highest Neighbor
D_0_Bacteria;D_1_Proteobacteria;D_2_Deltaproteobacteria;D_3_Desulfuromonadales;D_4_GR-WP33-58;D_5_uncultured bacterium
D_0_Bacteria;D_1_Proteobacteria;D_2_Deltaproteobacteria;D_3_Myxococcales;D_4_KD3-10;Other
D_0_Bacteria;D_1_Proteobacteria;D_2_Deltaproteobacteria;D_3_Myxococcales;D_4_Polyangiaceae;D_5_uncultured
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Alteromonadales;D_4_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanellaceae;D_5_Shewanell
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Chromatiales;D_4_Ectothiorhodospiraceae;D_5_Arhodomonas
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Chromatiales;D_4_Ectothiorhodospiraceae;D_5_uncultured
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Enterobacteriales;D_4_Enterobacteriaceae;D_5_Escherichia-Shigella
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Oceanospirillales;D_4_Halomonadaceae;D_5_Halomonas
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Pasteurellales;D_4_Pasteurellaceae;D_5_Haemophilus
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Pseudomonadales;D_4_Moraxellaceae;D_5_Moraxella
D_0_Bacteria;D_1_TM6;D_2_uncultured bacterium;D_3_uncultured bacterium;D_4_uncultured bacterium;D_5_uncultured bacterium
D_0_Bacteria;D_1_Verrucomicrobia;D_2_Spartobacteria;D_3_Chthoniobacterales;D_4_Chthoniobacteraceae;D_5_Chthoniobacter
D_0_Bacteria;D_1_Verrucomicrobia;D_2_Spartobacteria;D_3_Chthoniobacterales;D_4_DA101 soil group;D_5_uncultured bacterium
Unassigned;Other;Other;Other;Other
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