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D_0_Archaea;D_1_Nanohaloarchaeota;Other;Other
D_0_Archaea;D_1_Thaumarchaeota;D_2_Soil Crenarchaeotic Group(SCG);D_3_uncultured archaeon;D_4_uncultured archaeon
      D_0_Bacteria;D_1_Acidobacteria;D_2_Acidobacteria;D_3_Acidobacteriaes;D_4_Acidobacteriaceae (Subgroup 1)
   D_0_Bacteria;D_1_Acidobacteria;D_2_Acidobacteria;D_3_Subgroup 3;D_4_Unknown Family
D_0_Bacteria;D_1_Acidobacteria;D_2_Acidobacteria;D_3_Subgroup 4;D_4_RB41
D_0_Bacteria;D_1_Acidobacteria;D_2_Acidobacteria;D_3_Subgroup 4;D_4_Unknown Family
D_0_Bacteria;D_1_Actinobacteria;D_2_Acidimicrobiia;D_3_Acidimicrobiales;D_4_uncultured
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Actinomycetales;D_4_Actinomycetaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Corynebacteriales;D_4_Corynebacteriaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Corynebacteriales;D_4_Nocardiaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;D_4_Frankiaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;D_4_Geodermatophilaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;D_4_Nakamurellaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;D_4_Sporichthyaceae
      \label{eq:decomposition} D\_0\_Bacteria; D\_1\_Actinobacteria; D\_2\_Actinobacteria; D\_3\_Frankiales; D\_4\_uncultured
 D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Frankiales;Other
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Kineosporiales;D_4_Kineosporiaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Micrococcales;D_4_Intrasporangiaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Micrococcales;D_4_Micrococcaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Propionibacteriales;D_4_Nocardioidaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Propionibacteriales;D_4_Propionibacteriaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Pseudonocardiales;D_4_Pseudonocardiaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Nitriliruptoria;D_3_Euzebyales;D_4_Euzebyaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Rubrobacteria;D_3_Rubrobacterales;D_4_Rubrobacteriaceae
D_0_Bacteria;D_1_Actinobacteria;D_2_Thermoleophilia;D_3_Solirubrobacterales;D_4_0319-6M6
D_0_Bacteria;D_1_Actinobacteria;D_2_Thermoleophilia;D_3_Solirubrobacterales;D_4_480-2
D_0_Bacteria;D_1__Actinobacteria;D_2_Thermoleophilia;D_3_Solirubrobacterales;D_4_Patulibacteraceae
D_0_Bacteria;D_1_Armatimonadetes;D_2_Armatimonadia;D_3_Armatimonadales;D_4_uncultured bacterium
D_0_Bacteria;D_1_Armatimonadetes;D_2_uncultured bacterium;D_3_uncultured bacterium;D_4_uncultured bacterium
D_0_Bacteria;D_1_Bacteroidetes;D_2_Bacteroidia;D_3_Bacteroidales;D_4_Porphyromonadaceae
D_0_Bacteria;D_1_Bacteroidetes;D_2_Bacteroidia;D_3_Bacteroidales;D_4_Prevotellaceae
     \label{eq:decomposition} D\_0\_Bacteria; D\_1\_Bacteroidetes; D\_2\_Cytophagia; D\_3\_Cytophagales; D\_4\_Cytophagaceae
      \label{eq:decomposition} D\_0\_Bacteria; D\_1\_Bacteroidetes; D\_2\_Cytophagia; D\_3\_Cytophagales; D\_4\_Flammeovirgaceae
D_0_Bacteria;D_1_Bacteroidetes;D_2_Cytophagia;D_3_Cytophagales;D_4_MWH-CFBk5
D_0_Bacteria;D_1_Bacteroidetes;D_2_Cytophagia;D_3_Order II;D_4_Rhodothermaceae
D_0_Bacteria;D_1_Bacteroidetes;D_2_Flavobacteriia;D_3_Flavobacteriales;D_4_Cryomorphaceae
D_0_Bacteria;D_1_Bacteroidetes;D_2_Flavobacteriia;D_3_Flavobacteriales;D_4_Flavobacteriaceae
D_0_Bacteria;D_1_Bacteroidetes;D_2_Sphingobacteriia;D_3_Sphingobacteriales;D_4_Chitinophagaceae
D_0_Bacteria;D_1_Bacteroidetes;D_2_Sphingobacteriia;D_3_Sphingobacteriales;D_4_Sphingobacteriaceae
D_0_Bacteria;D_1_Chloroflexi;D_2_Ardenticatenia;D_3_Ardenticatenales;D_4_uncultured bacterium
 D_0_Bacteria;D_1_Chloroflexi;D_2_Ktedonobacteria;D_3_C0119;Other
D_0_Bacteria;D_1_Chloroflexi;D_2_Thermomicrobia;D_3_JG30-KF-CM45;D_4_uncultured bacterium
D_0_Bacteria;D_1_Cyanobacteria;D_2_Chloroplast;D_3_uncultured Chlorophyta;D_4_uncultured Chlorophyta
      \label{eq:decomposition} D\_0\_Bacteria; D\_1\_Cyanobacteria; D\_2\_Chloroplast; D\_3\_uncultured\ bacterium; D\_4\_uncultured\ bacterium
D_0_Bacteria;D_1_Cyanobacteria;D_2_Chloroplast;D_3_uncultured eukaryote;D_4_uncultured eukaryote
D_0_Bacteria;D_1_Cyanobacteria;D_2_Chloroplast;D_3_uncultured organism;D_4_uncultured organism
D_0_Bacteria;D_1_Cyanobacteria;D_2_Chloroplast;Other;Other
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionI;D_4_FamilyI
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionII;D_4_FamilyII
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionIII;D_4_FamilyI
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_SubsectionIV;D_4_FamilyI
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_uncultured;D_4_uncultured bacterium
D_0_Bacteria;D_1_Cyanobacteria;D_2_Cyanobacteria;D_3_uncultured;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_0_Bacteria;D_1_Deinococcus-Thermus;D_2_Deinococci;D_3_Deinococcales;D_4_Trueperaceae
D_0_Bacteria;D_1_Firmicutes;D_2_Bacilli;D_3_Bacillales;D_4_Bacillaceae
           _Bacteria;D_1__Firmicutes;D_2__Bacilli;D_3__Bacillales;D_4__Family XI
D_0_Bacteria;D_1_Firmicutes;D_2_Bacilli;D_3_Bacillales;D_4_Staphylococcaceae
D_0_Bacteria;D_1_Firmicutes;D_2_Bacilli;D_3_Lactobacillales;D_4_Aerococcaceae
     D_0_Bacteria;D_1_Firmicutes;D_2_Bacilli;D_3_Lactobacillales;D_4_Carnobacteriaceae
  D 0 Bacteria;D_1 Firmicutes;D 2 Bacilli;D_3 Lactobacillales;D 4 Streptococcaceae
D_0_Bacteria;D_1_Firmicutes;D_2_Clostridia;D_3_Clostridiales;D_4_Family XI
D_0_Bacteria;D_1_Fusobacteria;D_2_Fusobacteriia;D_3_Fusobacteriales;D_4_Fusobacteriaceae
D_0_Bacteria;D_1_Gemmatimonadetes;D_2_Gemmatimonadetes;D_3_AT425-EubC11 terrestrial group;D_4_uncultured bacterium
D_0_Bacteria;D_1_Planctomycetes;D_2_Phycisphaerae;D_3_Phycisphaerales;D_4_Phycisphaeraceae
D_0_Bacteria;D_1_Planctomycetes;D_2_Planctomycetacia;D_3_Planctomycetales;D_4_Planctomycetaceae
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Caulobacterales;D_4_Caulobacteraceae
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhizobiales;D_4_1174-901-12
 D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhizobiales;D_4_D05-2
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhizobiales;D_4_JG34-KF-361
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhizobiales;D_4_Methylobacteriaceae
      \label{eq:decomposition} D\_0\_Bacteria; D\_1\_Proteobacteria; D\_2\_Alphaproteobacteria; D\_3\_Rhodobacterales; D\_4\_Rhodobacteraceae
 D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhodospirillales;D_4_Acetobacteraceae
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhodospirillales;D_4_Rhodospirillaceae
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Sphingomonadales;D_4_AKYG937
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Sphingomonadales;D_4_Ellin6055
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Sphingomonadales;D_4_JG34-KF-161
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Sphingomonadales;D_4_Sphingomonadaceae
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Sphingomonadales;Other
D 0 Bacteria;D 1 Proteobacteria;D 2 Betaproteobacteria;D 3 Burkholderiales;D 4 Comamonadaceae
D_0_Bacteria;D_1_Proteobacteria;D_2_Betaproteobacteria;D_3_Burkholderiales;D_4_Oxalobacteraceae
D_0_Bacteria;D_1_Proteobacteria;D_2_Betaproteobacteria;D_3_Neisseriales;D_4_Neisseriaceae
D_0_Bacteria;D_1_Proteobacteria;D_2_Deltaproteobacteria;D_3_Desulfuromonadales;D_4_GR-WP33-58
 D_0_Bacteria;D_1_Proteobacteria;D_2_Deltaproteobacteria;D_3_Myxococcales;D_4_KD3-10
D_0_Bacteria;D_1_Proteobacteria;D_2_Deltaproteobacteria;D_3_Myxococcales;D_4_Polyangiaceae
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Alteromonadales;D_4_Shewanellaceae
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Chromatiales;D_4_Ectothiorhodospiraceae
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Enterobacteriales;D_4_Enterobacteriaceae
      \label{eq:decomposition} D\_0\_Bacteria; D\_1\_Proteobacteria; D\_2\_Gamma proteobacteria; D\_3\_Oceanos pirillales; D\_4\_Halomonadaceae
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D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Pasteurellales;D_4_Pasteurellaceae

D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Pseudomonadales;D_4_Moraxellaceae

D_0_Bacteria;D_1_TM6;D_2_uncultured bacterium;D_3_uncultured bacterium;D_4_uncultured bacterium

D_0_Bacteria;D_1_Verrucomicrobia;D_2_Spartobacteria;D_3_Chthoniobacterales;D_4_Chthoniobacteraceae

D_0_Bacteria;D_1_Verrucomicrobia;D_2_Spartobacteria;D_3_Chthoniobacterales;D_4_DA101 soil group

Unassigned;Other;Other;Other

D_0_Archaea;D_1_Euryarchaeota;D_2_Halobacteria;D_3_Halobacteriales;D_4_Halobacteriaceae

D_0_Archaea;D_1_Nanohaloarchaeota;D_2_uncultured archaeon;D_3_uncultured archaeon;D_4_uncultured archaeon

D_0_Archaea;D_1_Nanohaloarchaeota;D_2_uncultured haloarchaeon;D_3_uncultured haloarchaeon;D_4_uncultured haloarchaeon