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D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Micrococcales
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Pseudonocardiales
    \label{eq:decomposition} D\_0\_Bacteria; D\_1\_Actinobacteria; D\_2\_Coriobacteria; D\_3\_Coriobacteriales
   D_0_Bacteria;D_1_Actinobacteria;D_2_Thermoleophilia;D_3_Gaiellales
D_0_Bacteria;D_1_Actinobacteria;D_2_Thermoleophilia;D_3_Solirubrobacterales
D_0_Bacteria;D_1_Bacteroidetes;D_2_Bacteroidia;D_3_Bacteroidales
D_0_Bacteria;D_1_Bacteroidetes;D_2_Cytophagia;D_3_Cytophagales
D_0_Bacteria;D_1_Bacteroidetes;D_2_Flavobacteriia;D_3_Flavobacteriales
D_0_Bacteria;D_1_Chlamydiae;D_2_Chlamydiae;D_3_Chlamydiales
D_0_Bacteria;D_1_Chloroflexi;D_2_Anaerolineae;D_3_Anaerolineales
D_0_Bacteria;D_1_Chloroflexi;D_2_TK10;D_3_uncultured bacterium
    D_0_Bacteria;D_1_Cyanobacteria;D_2_Chloroplast;Ambiguous_taxa
D_0_Bacteria;D_1_Cyanobacteria;D_2_Chloroplast;Other
D_0_Bacteria;D_1_Cyanobacteria;D_2_Melainabacteria;D_3_Gastranaerophilales
    \label{eq:decomposition} D\_0\_Bacteria; D\_1\_Cyanobacteria; D\_2\_Melainabacteria; D\_3\_Vampirovibrionales
D_0_Bacteria;D_1_Deferribacteres;D_2_Deferribacteres;D_3_Deferribacterales
D_0_Bacteria;D_1_Firmicutes;D_2_Bacilli;D_3_Bacillales
D_0_Bacteria;D_1_Firmicutes;D_2_Bacilli;D_3_Lactobacillales
D_0_Bacteria;D_1_Firmicutes;D_2_Clostridia;D_3_Clostridiales
D_0_Bacteria;D_1_Firmicutes;D_2_Clostridia;D_3_Thermoanaerobacterales
D_0_Bacteria;D_1_Firmicutes;D_2_Erysipelotrichia;D_3_Erysipelotrichales
D_0_Bacteria;D_1_Proteobacteria;D_2_ARKICE-90;D_3_Mesorhizobium sp. enrichment culture clone SA_NR7_1
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhizobiales
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhodobacterales
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rhodospirillales
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Rickettsiales
D_0_Bacteria;D_1_Proteobacteria;D_2_Alphaproteobacteria;D_3_Sphingomonadales
D_0_Bacteria;D_1_Proteobacteria;D_2_Betaproteobacteria;D_3_Burkholderiales
D_0_Bacteria;D_1_Proteobacteria;D_2_Betaproteobacteria;D_3_Methylophilales
D_0_Bacteria;D_1_Proteobacteria;D_2_Betaproteobacteria;D_3_Neisseriales
D_0_Bacteria;D_1_Proteobacteria;D_2_Betaproteobacteria;D_3_Rhodocyclales
    \label{eq:decomposition} D\_0\_Bacteria; D\_1\_Proteobacteria; D\_2\_Delta proteobacteria; D\_3\_Bdellovibrionales
    \label{eq:decomposition} D\_0\_Bacteria; D\_1\_Proteobacteria; D\_2\_Delta proteobacteria; D\_3\_Desulfurella les
D_0_Bacteria;D_1_Proteobacteria;D_2_Deltaproteobacteria;D_3_Desulfuromonadales
D_0_Bacteria;D_1_Proteobacteria;D_2_Deltaproteobacteria;D_3_Myxococcales
D_0_Bacteria;D_1_Proteobacteria;D_2_Deltaproteobacteria;D_3_Oligoflexales
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Cellvibrionales
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Chromatiales
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Enterobacteriales
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Legionellales
    \label{localization} D\_0\_Bacteria; D\_1\_Proteobacteria; D\_2\_Gamma proteobacteria; D\_3\_Methylococcales
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Pseudomonadales
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;D_3_Vibrionales
    \label{eq:decomposition} D\_0\_Bacteria; D\_1\_Proteobacteria; D\_2\_Gamma proteobacteria; D\_3\_Xanthomonadales
D_0_Bacteria;D_1_Proteobacteria;D_2_Gammaproteobacteria;Other
D_0_Bacteria;D_1_Saccharibacteria;D_2_Unknown Class;D_3_Unknown Order
D_0_Bacteria;D_1_Tenericutes;D_2_Mollicutes;D_3_Anaeroplasmatales
D_0_Bacteria;D_1_Tenericutes;D_2_Mollicutes;D_3_Entomoplasmatales
D_0_Bacteria;D_1_Tenericutes;D_2_Mollicutes;D_3_Mollicutes RF9
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D_0_Bacteria;D_1_Verrucomicrobia;D_2_Verrucomicrobiae;D_3_Verrucomicrobiales

D_0_Bacteria;Other;Other;Other
Unassigned;Other;Other;Other

D_0_Archaea;D_1_Euryarchaeota;D_2_Methanobacteria;D_3_Methanobacteriales

D_0_Bacteria;D_1_Acidobacteria;D_2_Solibacteres;D_3_Solibacterales
D_0_Bacteria;D_1_Actinobacteria;D_2_Actinobacteria;D_3_Corynebacteriales