```
k_Archaea; p_Euryarchaeota; c_Methanobacteria; o_Methanobacteriales; f_Methanobacteriaceae
           k Archaea; p Euryarchaeota; c Thermoplasmata; o E2; f [Methanomassiliicoccaceae]
           k_Bacteria; p_Acidobacteria; c_Acidobacteriia; o_Acidobacteriales; f_Acidobacteriaceae
           k Bacteria; p Acidobacteria; c Acidobacteriia; o Acidobacteriales; f Koribacteraceae
           k_Bacteria; p_Acidobacteria; c_DA052; o_Ellin6513; f_
           k_Bacteria; p_Acidobacteria; c_Solibacteres; o_Solibacterales; f_
            k_Bacteria; p_Acidobacteria; c_Solibacteres; o_Solibacterales; f_Solibacteraceae
           k Bacteria; p Actinobacteria; c Acidimicrobiia; o Acidimicrobiales; f
           k_Bacteria; p_Actinobacteria; c_Acidimicrobiia; o_Acidimicrobiales; f_Iamiaceae
           k_Bacteria; p_Actinobacteria; c_Actinobacteria; o_Actinomycetales; f_
           k_Bacteria; p_Actinobacteria; c_Actinobacteria; o_Actinomycetales; f_Actinomycetaceae
           k_Bacteria; p_Actinobacteria; c_Actinobacteria; o_Actinomycetales; f_Brevibacteriaceae
           k_Bacteria; p_Actinobacteria; c_Actinobacteria; o_Actinomycetales; f_Cellulomonadaceae
           k_Bacteria; p_Actinobacteria; c_Actinobacteria; o_Actinomycetales; f_Corynebacteriaceae
           k Bacteria; p Actinobacteria; c Actinobacteria; o Actinomycetales; f Dermabacteraceae
           k Bacteria; p Actinobacteria; c Actinobacteria; o Actinomycetales; f Dermacoccaceae
           k Bacteria; p Actinobacteria; c Actinobacteria; o Actinomycetales; f Dietziaceae
           k_Bacteria; p_Actinobacteria; c_Actinobacteria; o_Actinomycetales; f_Geodermatophilaceae
           k Bacteria; p Actinobacteria; c Actinobacteria; o Actinomycetales; f Intrasporangiaceae
           k Bacteria; p Actinobacteria; c Actinobacteria; o Actinomycetales; f Microbacteriaceae
           k Bacteria; p Actinobacteria; c Actinobacteria; o Actinomycetales; f Micrococcaceae
           k_Bacteria; p_Actinobacteria; c_Actinobacteria; o_Actinomycetales; f_Micromonosporaceae
           k Bacteria; p Actinobacteria; c Actinobacteria; o Actinomycetales; f Mycobacteriaceae
           k Bacteria; p Actinobacteria; c Actinobacteria; o Actinomycetales; f Nocardiaceae
           k Bacteria; p Actinobacteria; c Actinobacteria; o Actinomycetales; f Nocardioidaceae
           k_Bacteria; p_Actinobacteria; c_Actinobacteria; o_Actinomycetales; f_Nocardiopsaceae
           k_Bacteria; p_Actinobacteria; c_Actinobacteria; o_Actinomycetales; f_Promicromonosporaceae
           k Bacteria; p Actinobacteria; c Actinobacteria; o Actinomycetales; f Propionibacteriaceae
           k Bacteria; p Actinobacteria; c Actinobacteria; o Actinomycetales; f Sanguibacteraceae
           k_Bacteria; p_Actinobacteria; c_Actinobacteria; o_Actinomycetales; f_Sporichthyaceae
           k_Bacteria; p_Actinobacteria; c_Actinobacteria; o_Actinomycetales; f_Streptomycetaceae
           k Bacteria; p Actinobacteria; c Actinobacteria; o Bifidobacteriales; f Bifidobacteriaceae
           k Bacteria; p Actinobacteria; c Coriobacteriia; o Coriobacteriales; f Coriobacteriaceae
           k_Bacteria; p_Actinobacteria; c_Nitriliruptoria; o_Euzebyales; f_Euzebyaceae
           k Bacteria; p Actinobacteria; c Thermoleophilia; o Gaiellales; f Gaiellaceae
           k_Bacteria; p_Actinobacteria; c_Thermoleophilia; o_Solirubrobacterales; f_
           k_Bacteria; p_Actinobacteria; c_Thermoleophilia; o_Solirubrobacterales; f_Conexibacteraceae
           k Bacteria; p Bacteroidetes; c Bacteroidia; o Bacteroidales; f
           k_Bacteria; p_Bacteroidetes; c_Bacteroidia; o_Bacteroidales; f Bacteroidaceae
           k_Bacteria; p_Bacteroidetes; c_Bacteroidia; o_Bacteroidales; f_Porphyromonadaceae
           k_Bacteria; p_Bacteroidetes; c_Bacteroidia; o_Bacteroidales; f_Prevotellaceae
           k Bacteria; p Bacteroidetes; c Bacteroidia; o Bacteroidales; f RF16
           k Bacteria; p Bacteroidetes; c Bacteroidia; o Bacteroidales; f Rikenellaceae
           k_Bacteria; p_Bacteroidetes; c_Bacteroidia; o_Bacteroidales; f_S24-7
           k_Bacteria; p_Bacteroidetes; c_Bacteroidia; o_Bacteroidales; f_[Barnesiellaceae]
           k_Bacteria; p_Bacteroidetes; c_Bacteroidia; o_Bacteroidales; f [Odoribacteraceae]
           k_Bacteria; p_Bacteroidetes; c_Bacteroidia; o_Bacteroidales; f_[Paraprevotellaceae]
           k_Bacteria; p_Bacteroidetes; c_Cytophagia; o_Cytophagales; f_Cytophagaceae
           k Bacteria; p Bacteroidetes; c Flavobacteriia; o Flavobacteriales; f Cryomorphaceae
           k Bacteria; p Bacteroidetes; c Flavobacteriia; o Flavobacteriales; f Flavobacteriaceae
           k_Bacteria; p_Bacteroidetes; c_Flavobacteriia; o_Flavobacteriales; f_[Weeksellaceae]
                   Bacteria; p_Bacteroidetes; c_Sphingobacteriia; o_Sphingobacteriales; f_Sphingobacteriaceae
                k__Bacteria; p__Bacteroidetes; c__[Rhodothermi]; o__[Rhodothermales]; f__[Balneolaceae]
                   Bacteria; p_Bacteroidetes; c_[Saprospirae]; o_[Saprospirales]; f_Chitinophagaceae
                   _Bacteria; p__Chloroflexi; c__Anaerolineae; o__Anaerolineales; f__Anaerolinaceae
                k__Bacteria; p__Chloroflexi; c__Gitt-GS-136; o__; f__
                k__Bacteria; p__Chloroflexi; c__TK10; o__AKYG885; f__5B-12
                k Bacteria; p Cyanobacteria; c 4C0d-2; o YS2; f
                k__Bacteria; p__Cyanobacteria; c__Chloroplast; o__Streptophyta; f__
                k__Bacteria; p__Cyanobacteria; c__Oscillatoriophycideae; o__Oscillatoriales; f__Phormidiaceae
                k_Bacteria; p_Elusimicrobia; c_Elusimicrobia; o_Elusimicrobiales; f_Elusimicrobiaceae
1.0
                   k Bacteria; p Firmicutes; c Bacilli; o Bacillales; f Alicyclobacillaceae
                k Bacteria; p Firmicutes; c Bacilli; o Bacillales; f Bacillaceae
                   k Bacteria; p Firmicutes; c Bacilli; o Bacillales; f Paenibacillaceae
                k Bacteria; p Firmicutes; c Bacilli; o Bacillales; f Planococcaceae
0.8
                  _Bacteria;    p__Firmicutes;    c__Bacilli;    o__Bacillales;    f__[Exiguobacteraceae]
                   _Bacteria;    p__Firmicutes;    c__Bacilli;    o__Bacillales;    f__[Thermicanaceae]
                k_Bacteria; p_Firmicutes; c_Bacilli; o_Gemellales; f_
                   Bacteria; p Firmicutes; c Bacilli; o Gemellales; f Gemellaceae
0.6
                k__Bacteria; p__Firmicutes; c__Bacilli; o__Lactobacillales; f__
                k__Bacteria; p__Firmicutes; c__Bacilli; o__Lactobacillales; f__Aerococcaceae
                k__Bacteria; p__Firmicutes; c__Bacilli; o__Lactobacillales; f__Carnobacteriaceae
                k_Bacteria; p_Firmicutes; c_Bacilli; o_Lactobacillales; f_Enterococcaceae
                  _Bacteria;    p__Firmicutes;    c__Bacilli;    o__Lactobacillales;    f__Lactobacillaceae
0.4
                k__Bacteria; p__Firmicutes; c__Bacilli; o__Lactobacillales; f__Leuconostocaceae
                   Bacteria; p__Firmicutes; c__Bacilli; o__Lactobacillales; f__Streptococcaceae
                k__Bacteria; p__Firmicutes; c__Bacilli; o__Turicibacterales; f__Turicibacteraceae
                k__Bacteria; p__Firmicutes; c__Clostridia; o ; f
                k__Bacteria; p__Firmicutes; c__Clostridia; o__Clostridiales; f__
0.2
                k__Bacteria; p__Firmicutes; c__Clostridia; o__Clostridiales; f__Christensenellaceae
                k__Bacteria; p__Firmicutes; c__Clostridia; o__Clostridiales; f__Clostridiaceae
                k__Bacteria; p__Firmicutes; c__Clostridia; o__Clostridiales; f__Dehalobacteriaceae
                   Bacteria; p Firmicutes; c Clostridia; o Clostridiales; f EtOH8
                   _Bacteria; p__Firmicutes; c__Clostridia; o__Clostridiales; f__Eubacteriaceae
                k__Bacteria; p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae
                  _Bacteria; p__Firmicutes; c__Clostridia; o__Clostridiales; f__Peptococcaceae
                  _Bacteria; p__Firmicutes; c__Clostridia; o__Clostridiales; f__Peptostreptococcaceae
                k Bacteria; p Firmicutes; c Clostridia; o Clostridiales; f Ruminococcaceae
              k_Bacteria; p_Firmicutes; c_Clostridia; o_Clostridiales; f_Veillonellaceae
                k__Bacteria; p__Firmicutes; c__Clostridia; o__Clostridiales; f__[Mogibacteriaceae]
                k__Bacteria; p__Firmicutes; c__Clostridia; o__Clostridiales; f__[Tissierellaceae]
                k__Bacteria; p__Firmicutes; c__Clostridia; o__SHA-98; f__
    race
                k__Bacteria; p__Firmicutes; c__Erysipelotrichi; o__Erysipelotrichales; f__Erysipelotrichaceae
                k__Bacteria; p__Fusobacteria; c__Fusobacteriia; o__Fusobacteriales; f__Fusobacteriaceae
                k__Bacteria; p__Fusobacteria; c__Fusobacteriia; o__Fusobacteriales; f__Leptotrichiaceae
                k__Bacteria; p__Gemmatimonadetes; c__Gemmatimonadetes; o__Gemmatimonadales; f__
                k__Bacteria; p__Lentisphaerae; c__[Lentisphaeria]; o__Victivallales; f__Victivallaceae
                k__Bacteria; p__Lentisphaerae; c__[Lentisphaeria]; o__Z20; f__R4-45B
                k__Bacteria; p__Proteobacteria; c__Alphaproteobacteria; o__; f__
                k_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_BD7-3; f_
                k Bacteria; p Proteobacteria; c Alphaproteobacteria; o Caulobacterales; f
                k__Bacteria; p__Proteobacteria; c__Alphaproteobacteria; o__Caulobacterales; f__Caulobacteraceae
           k_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_RF32; f
           k_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Rhizobiales; f_
           k_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Rhizobiales; f_Aurantimonadaceae
           k_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Rhizobiales; f_Bradyrhizobiaceae
           k_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o Rhizobiales; f Brucellaceae
           k_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Rhizobiales; f_Hyphomicrobiaceae
           k_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Rhizobiales; f_Methylobacteriaceae
           k_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Rhizobiales; f_Methylocystaceae
           k Bacteria; p Proteobacteria; c Alphaproteobacteria; o Rhizobiales; f Phyllobacteriaceae
           k_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Rhizobiales; f_Rhizobiaceae
           k Bacteria; p Proteobacteria; c Alphaproteobacteria; o Rhodobacterales; f Rhodobacteraceae
           k_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Rhodospirillales; f_Acetobacteraceae
           k Bacteria; p Proteobacteria; c Alphaproteobacteria; o Rhodospirillales; f Rhodospirillaceae
           k Bacteria; p Proteobacteria; c Alphaproteobacteria; o Rickettsiales; f
           k_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Rickettsiales; f_Rickettsiaceae
           k Bacteria; p Proteobacteria; c Alphaproteobacteria; o Rickettsiales; f mitochondria
           k_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Sphingomonadales; f_Erythrobacteraceae
           k Bacteria; p Proteobacteria; c Alphaproteobacteria; o Sphingomonadales; f Sphingomonadaceae
           k_Bacteria; p_Proteobacteria; c_Betaproteobacteria; o_; f_
           k_Bacteria; p_Proteobacteria; c_Betaproteobacteria; o_Burkholderiales; f
           k_Bacteria; p_Proteobacteria; c_Betaproteobacteria; o_Burkholderiales; f_Alcaligenaceae
           k_Bacteria; p_Proteobacteria; c_Betaproteobacteria; o_Burkholderiales; f_Burkholderiaceae
           k_Bacteria; p_Proteobacteria; c_Betaproteobacteria; o_Burkholderiales; f_Comamonadaceae
           k_Bacteria; p_Proteobacteria; c_Betaproteobacteria; o_Burkholderiales; f_Oxalobacteraceae
           k Bacteria; p Proteobacteria; c Betaproteobacteria; o Methylophilales; f Methylophilaceae
           k_Bacteria; p_Proteobacteria; c_Betaproteobacteria; o_Neisseriales; f_Neisseriaceae
           k Bacteria; p Proteobacteria; c Betaproteobacteria; o Rhodocyclales; f Rhodocyclaceae
           k Bacteria; p Proteobacteria; c Deltaproteobacteria; o BPC076; f
           k Bacteria; p Proteobacteria; c Deltaproteobacteria; o Bdellovibrionales; f Bacteriovoracaceae
           k Bacteria; p Proteobacteria; c Deltaproteobacteria; o Bdellovibrionales; f Bdellovibrionaceae
           k Bacteria; p Proteobacteria; c Deltaproteobacteria; o Desulfobacterales; f Desulfobulbaceae
           k_Bacteria; p_Proteobacteria; c_Deltaproteobacteria; o_Desulfovibrionales; f_Desulfovibrionaceae
           k_Bacteria; p_Proteobacteria; c_Deltaproteobacteria; o_Desulfuromonadales; f_Geobacteraceae
           k_Bacteria; p_Proteobacteria; c_Deltaproteobacteria; o_GMD14H09; f_
           k_Bacteria; p_Proteobacteria; c_Deltaproteobacteria; o_Myxococcales; f_0319-6G20
           k_Bacteria; p_Proteobacteria; c_Deltaproteobacteria; o_Myxococcales; f_Myxococcaceae
           k_Bacteria; p_Proteobacteria; c_Epsilonproteobacteria; o_Campylobacterales; f_Campylobacteraceae
           k Bacteria; p Proteobacteria; c Epsilonproteobacteria; o Campylobacterales; f Helicobacteraceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Aeromonadales; f_Aeromonadaceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Aeromonadales; f_Succinivibrionaceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Alteromonadales; f_Shewanellaceae
           k Bacteria; p Proteobacteria; c Gammaproteobacteria; o Cardiobacteriales; f Cardiobacteriaceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Chromatiales; f_Ectothiorhodospiraceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Enterobacteriales; f_Enterobacteriaceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Legionellales; f_
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Legionellales; f_Legionellaceae
           k Bacteria; p Proteobacteria; c Gammaproteobacteria; o Methylococcales; f Crenotrichaceae
           k Bacteria; p Proteobacteria; c Gammaproteobacteria; o Oceanospirillales; f Halomonadaceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Oceanospirillales; f_SUP05
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Oceanospirillales; f_Saccharospirillaceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Pasteurellales; f
               ■ k__Bacteria; p__Proteobacteria; c__Gammaproteobacteria; o__Pasteurellales; f__Pasteurellaceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Pseudomonadales; f_Moraxellaceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Pseudomonadales; f_Pseudomonadaceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Vibrionales; f_Pseudoalteromonadaceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Vibrionales; f_Vibrionaceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Xanthomonadales; f_Sinobacteraceae
           k_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Xanthomonadales; f_Xanthomonadaceae
           k__Bacteria; p__SR1; c__; o__; f__
           k_Bacteria; p_Spirochaetes; c_Spirochaetes; o_Sphaerochaetales; f_Sphaerochaetaceae
           k_Bacteria; p_Spirochaetes; c_Spirochaetes; o_Spirochaetales; f_Spirochaetaceae
           k_Bacteria; p_Spirochaetes; c_[Brachyspirae]; o_[Brachyspirales]; f_Brachyspiraceae
           k_Bacteria; p_Synergistetes; c_Synergistia; o_Synergistales; f_Dethiosulfovibrionaceae
           k_Bacteria; p_Synergistetes; c_Synergistia; o_Synergistales; f_Synergistaceae
           k__Bacteria; p__TM7; c__TM7-3; o__; f__
           k_Bacteria; p_TM7; c_TM7-3; o_CW040; f_
           k_Bacteria; p_Tenericutes; c Mollicutes; o Anaeroplasmatales; f Anaeroplasmataceae
           k_Bacteria; p_Tenericutes; c_Mollicutes; o_Mycoplasmatales; f_Mycoplasmataceae
           k_Bacteria; p_Tenericutes; c_Mollicutes; o_RF39; f_
           k_Bacteria; p_Tenericutes; c_RF3; o_ML615J-28; f_
           k_Bacteria; p_Verrucomicrobia; c_Opitutae; o_[Cerasicoccales]; f_[Cerasicoccaceae]
           k_Bacteria; p_Verrucomicrobia; c_Verruco-5; o_WCHB1-41; f_RFP12
           k_Bacteria; p_Verrucomicrobia; c_Verrucomicrobiae; o_Verrucomicrobiales; f_Verrucomicrobiaceae
           k_Bacteria; p_Verrucomicrobia; c_[Spartobacteria]; o_[Chthoniobacterales]; f_[Chthoniobacteraceae]
           k_Bacteria; p_[Thermi]; c_Deinococci; o_Deinococcales; f_Deinococcaceae
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