```
k_Bacteria;p_Actinobacteria;c_Actinobacteria;o_Actinomycetales
    k Bacteria;p Actinobacteria;c Actinobacteria;o Bifidobacteriales
   ■ k Bacteria;p Actinobacteria;c Coriobacteriia;o Coriobacteriales
     k Bacteria;p Bacteroidetes;c Bacteroidia;o Bacteroidales
     k Bacteria;  Cyanobacteria;  4C0d-2;  YS2
k Bacteria;p Cyanobacteria;c Chloroplast;o Streptophyta
k_Bacteria;p_Elusimicrobia;c_Elusimicrobia;o_Elusimicrobiales
    k_Bacteria;p_Firmicutes;c_Bacilli;o_Bacillales
    k_Bacteria;p_Firmicutes;c_Bacilli;o_Gemellales
  k_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales
k_Bacteria;p_Firmicutes;c_Bacilli;o_Turicibacterales
k_Bacteria;p_Firmicutes;c_Clostridia;o_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales
k Bacteria;p Firmicutes;c Clostridia;o SHA-98
k Bacteria;p Firmicutes;c Erysipelotrichi;o Erysipelotrichales
     k Bacteria; p Fusobacteria; c Fusobacteria; p Fusobacteriales
k Bacteria;p Lentisphaerae;c [Lentisphaeria];o Victivallales
  k Bacteria;p Lentisphaerae;c [Lentisphaeria];o Z20
  k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_
k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_RF32
k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhizobiales
  k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rickettsiales
k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;o_Burkholderiales
   k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;o_Ellin6067
    k Bacteria;p Proteobacteria;c Betaproteobacteria;o Neisseriales
    k Bacteria; p Proteobacteria; c Betaproteobacteria; o Rhodocyclales
    k\_Bacteria; p\_Proteobacteria; c\_Delta proteobacteria; o\_Desulfovi brionales
    k_Bacteria;p_Proteobacteria;c_Deltaproteobacteria;o_GMD14H09
    \label{lem:lem:k_Bacteria} \verb|k_Bacteria|; \verb|p_Proteobacteria|; \verb|c_Epsilon| proteobacteria|; \verb|o_Campylobacterales| \\
     k\_Bacteria; p\_Proteobacteria; c\_Gamma proteobacteria; o\_Aeromonadales
  k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Chromatiales
    k\_Bacteria; p\_Proteobacteria; c\_Gamma proteobacteria; o\_Enterobacteriales
     k\_Bacteria; p\_Proteobacteria; c\_Gamma proteobacteria; o\_Pasteurellales
    k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Pseudomonadales
k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Thiohalorhabdales
    k Bacteria; p Proteobacteria; c Gammaproteobacteria; o Thiotrichales
    k Bacteria;p Spirochaetes;c Spirochaetes;o Spirochaetales
k Bacteria;p Spirochaetes;c [Brachyspirae];o [Brachyspirales]
     k\_Bacteria; p\_Synergistetes; c\_Synergistia; o\_Synergistales
k Bacteria;p__TM7;c__;o__
k_Bacteria;p_Tenericutes;c_Mollicutes;o_Anaeroplasmatales
    k\_Bacteria; p\_Tenericutes; c\_Mollicutes; o\_RF39
k_Bacteria;p_Tenericutes;c_RF3;o_ML615J-28
k_Bacteria;p_Verrucomicrobia;c_Opitutae;o_[Cerasicoccales]
     k_Bacteria;p_Verrucomicrobia;c_Verruco-5;o_WCHB1-41
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k Bacteria;p Verrucomicrobia;c Verrucomicrobiae;o Verrucomicrobiales

k_Bacteria;p_WPS-2;c__;o__

 $k_Archaea;p_Euryarchaeota;c_Methanobacteria;o_Methanobacteriales$

k_Archaea;p_Euryarchaeota;c_Thermoplasmata;o_E2