```
None;Other;Other;Other;Other;Other
k_Bacteria;Other;Other;Other;Other;Other
  k_Bacteria;p_Actinobacteria;c_Actinobacteria;o_Actinomycetales;f_Actinomycetaceae;g_Actinomyces;s_
 k_Bacteria;p_Actinobacteria;c_Actinobacteria;o_Actinomycetales;f_Corynebacteriaceae;g_Corynebacterium;s_
 k_Bacteria;p_Actinobacteria;c_Actinobacteria;o_Actinomycetales;f_Micrococcaceae;g_Rothia;Other
            k\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Actinomycetales; f\_Micrococcaceae; g\_Rothia; s\_mucilaginosa
    💳 k_Bacteria;p_Actinobacteria;c_Actinobacteria;o_Bifidobacteriales;f_Bifidobacteriaceae;g_Alloscardovia;s_
 k_Bacteria;p_Actinobacteria;c_Actinobacteria;o_Bifidobacteriales;f_Bifidobacteriaceae;g_Bifidobacterium;s_animalis
 k_Bacteria;p_Actinobacteria;c_Coriobacteriia;o_Coriobacteriales;f_Coriobacteriaceae;g_;s_
k_Bacteria;p_Actinobacteria;c_Coriobacteriia;o_Coriobacteriales;f_Coriobacteriaceae;g_Adlercreutzia;s_
 k_Bacteria;p_Actinobacteria;c_Coriobacteriia;o_Coriobacteriales;f_Coriobacteriaceae;g_Atopobium;s_
k_Bacteria;p_Actinobacteria;c_Coriobacteriia;o_Coriobacteriales;f_Coriobacteriaceae;g_Collinsella;s_
 k_Bacteria;p_Actinobacteria;c_Coriobacteriia;o_Coriobacteriales;f_Coriobacteriaceae;g_Collinsella;s_aerofaciens
k_Bacteria;p_Actinobacteria;c_Coriobacteriia;o_Coriobacteriales;f_Coriobacteriaceae;g_Slackia;s_
 k_Bacteria;p_Bacteroidetes;Other;Other;Other;Other
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;Other;Other
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_
            {\tt k\_Bacteria; p\_Bacteroidetes; c\_Bacteroidia; o\_Bacteroidales; f\_Bacteroidaceae; g\_Bacteroides; s\_Bacteroides; s\_Bacteroide
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides;s_fragilis
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Porphyromonadaceae;g_Paludibacter;s_
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Porphyromonadaceae;g_Parabacteroides;s_
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Porphyromonadaceae;g_Porphyromonas;s_
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Porphyromonadaceae;g_Porphyromonas;s_endodontalis
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Porphyromonadaceae;g_Vestibaculum;s_illigatum
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Prevotellaceae;Other;Other
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Prevotellaceae;g_;s_
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Prevotellaceae;g_Prevotella;Other
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Prevotellaceae;g_Prevotella;s_
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Prevotellaceae;g_Prevotella;s_copri
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Prevotellaceae;g_Prevotella;s_intermedia
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Prevotellaceae;g_Prevotella;s_melaninogenica
k Bacteria;p Bacteroidetes;c Bacteroidia;o Bacteroidales;f Prevotellaceae;g Prevotella;s nanceiensis
             k__Bacteria;p__Bacteroidetes;c__Bacteroidia;o__Bacteroidales;f__Prevotellaceae;g__Prevotella;s__pallens
            {\tt k\_Bacteria;p\_Bacteroidetes;c\_Bacteroidia;o\_Bacteroidales;f\_Prevotellaceae;g\_Prevotella;s\_stercorea}
            k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_RF16;g_;s_
    k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_;s_
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_S24-7;g_;s_
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_[Odoribacteraceae];g_Butyricimonas;s_
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_[Paraprevotellaceae];g_;s_
k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_[Paraprevotellaceae];g_CF231;s_
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_[Paraprevotellaceae];g_YRC22;s_
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_[Paraprevotellaceae];g_[Prevotella];s_
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_p-2534-18B5;g_;s_
  k_Bacteria;p_Cyanobacteria;c_4C0d-2;o_YS2;f_;g_;s_
  k_Bacteria;p_Cyanobacteria;c_Chloroplast;o_Streptophyta;f_;g_;s_
k_Bacteria;p_Elusimicrobia;c_Elusimicrobia;o_Elusimicrobiales;f_Elusimicrobiaceae;g_;s_
            \verb|k_Bacteria|; p_Elusimicrobia|; c_Elusimicrobia|; o_Elusimicrobiales|; f_Elusimicrobiaceae|; g_Elusimicrobium|; s_Elusimicrobiaceae|; g_Elusimicrobiaceae|; g_Elusimicrobiace
k_Bacteria;p_Fibrobacteres;c_Fibrobacteria;o_Fibrobacterales;f_Fibrobacteraceae;g_Fibrobacter;s_
 k_Bacteria;p_Fibrobacteres;c_Fibrobacteria;o_Fibrobacterales;f_Fibrobacteraceae;g_Fibrobacter;s_succinogenes
k_Bacteria;p_Firmicutes;Other;Other;Other;Other
k_Bacteria;p_Firmicutes;c_Bacilli;o_Bacillales;f_Staphylococcaceae;g_Staphylococcus;s_epidermidis
k_Bacteria;p_Firmicutes;c_Bacilli;o_Gemellales;f_Gemellaceae;g_;s_
 k_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;Other;Other;Other
k_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Aerococcaceae;g_Abiotrophia;s_
k_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Carnobacteriaceae;g_Granulicatella;s_
           k_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Enterococcaceae;g_Enterococcus;s_
 k Bacteria;p Firmicutes;c Bacilli;o Lactobacillales;f Lactobacillaceae;g Lactobacillus;s
 k_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus;s_acidipiscis
            k\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Lactobacillaceae; g\_Lactobacillus; s\_mucosae
k_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus;s_reuteri
 k_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus;s_ruminis
 k_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus;s_salivarius
            {\tt k\_Bacteria;p\_Firmicutes;c\_Bacilli;o\_Lactobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcaceae;g\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_ractobacillales;f\_Streptococcus;s\_Streptococcus;s\_Streptococcus;s\_Streptococcus;s\_Streptococcus;s\_Streptococcus;s\_Streptoc
            k\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Streptococcaceae; g\_Streptococcus; s\_alactolyticus
   k_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Streptococcaceae;g_Streptococcus;s_infantis
 k_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Streptococcaceae;g_Streptococcus;s_luteciae
 k_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Streptococcaceae;g_Streptococcus;s_sobrinus
 k_Bacteria;p_Firmicutes;c_Clostridia;Other;Other;Other
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;Other;Other
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_;g_;s_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Christensenellaceae;g_;s_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Clostridiaceae;g_Clostridium;Other
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Clostridiaceae;g_Clostridium;s_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Clostridiaceae;g_Clostridium;s_neonatale
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Clostridiaceae;g_SMB53;s_
            k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Clostridiaceae;g_Sarcina;s_
  k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Dehalobacteriaceae;g_;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Dehalobacteriaceae;g_Dehalobacterium;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Eubacteriaceae;g_Anaerofustis;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;Other;Other
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Anaerostipes;s_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Blautia;s_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Butyrivibrio;s_
           k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Clostridium;Other
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Clostridium;s_colinum
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Clostridium;s_hathewayi
            k\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Coprococcus; s\_Lachnospiraceae; s\_Lac
            {\tt k\_Bacteria;p\_Firmicutes;c\_Clostridia;o\_Clostridiales;f\_Lachnospiraceae;g\_Coprococcus;s\_catus}
            k\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Coprococcus; s\_eutactus
  k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Defluviitalea;s_saccharophila
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Dorea;s_
            k\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Dorea; s\_formicigenerans
    k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Epulopiscium;s_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Lachnobacterium;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Lachnospira;s_
            k Bacteria;p Firmicutes;c Clostridia;o Clostridiales;f Lachnospiraceae;g Moryella;s
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Oribacterium;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Roseburia;s_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Roseburia;s_faecis
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Shuttleworthia;s_
  k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_[Ruminococcus];s_gnavus
  k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Peptococcaceae;g_;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Peptococcaceae;g_Peptococcus;s_
            {\tt k\_Bacteria;p\_Firmicutes;c\_Clostridia;o\_Clostridiales;f\_Peptostreptococcaceae;g\_Peptostreptococcus;s\_representations and the contraction of th
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;Other;Other
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Anaerotruncus;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Butyricicoccus;s_pullicaecorum
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Clostridium;s_islandicum
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Clostridium;s_methylpentosum
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Faecalibacterium;Other
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Faecalibacterium;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Faecalibacterium;s_prausnitzii
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Oscillospira;Other
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Oscillospira;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Ruminococcus;Other
             k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Ruminococcus;s_
\verb|----| k\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Ruminococcaceae; g\_Ruminococcus; s\_albus
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Ruminococcus;s_bromii
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Ruminococcus;s_callidus
            k\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Ruminococcaceae; g\_Ruminococcus; s\_flave faciens
            k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Sporobacter;s_termitidis
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Syntrophomonadaceae;g_Syntrophomonas;s_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Veillonellaceae;Other;Other
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Veillonellaceae;g_;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Veillonellaceae;g_Anaerovibrio;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Veillonellaceae;g_Dialister;s_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Veillonellaceae;g_Megasphaera;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Veillonellaceae;g_Mitsuokella;s_multacida
            k\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Veillonellaceae; g\_Phascolarctobacterium; s\_Phascolarctobacterium; s\_Phascolarctobact
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Veillonellaceae;g_Propionispira;s_arboris
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Veillonellaceae;g_Selenomonas;Other
            k\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Veillonellaceae; g\_Selenomonas; s\_results for the control of the 
  k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Veillonellaceae;g_Selenomonas;s_noxia
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Veillonellaceae;g_Veillonella;Other
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Veillonellaceae;g_Veillonella;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Veillonellaceae;g_Veillonella;s_dispar
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Veillonellaceae;g_Veillonella;s_parvula
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_[Mogibacteriaceae];g_;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_[Mogibacteriaceae];g_Mogibacterium;s_
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_[Tissierellaceae];g_Finegoldia;s_
            \label{lem:k_Bacteria} $$k\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_[Tissierellaceae]; g\_Parvimonas; s\_Parvimonas; s\_Parvimo
k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;Other;Other
 k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_;s_
 k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Allobaculum;s_
k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Asteroleplasma;s_anaerobium
            \verb|k_Bacteria|; p_Firmicutes|; c_Erysipelotrichi|; o_Erysipelotrichales|; f_Erysipelotrichacea|; g_Bulleidia|; Other all of the context of t
 k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Bulleidia;s_
k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Bulleidia;s_p-1630-c5
            \verb|k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Catenibacterium;s_Erysipelotrichales;f_Erysipelotrichaceae;g_Catenibacterium;s_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipelotrichales;f_Erysipe
            k\_Bacteria; p\_Firmicutes; c\_Erysipelotrichi; o\_Erysipelotrichales; f\_Erysipelotrichaceae; g\_Catenibacterium; s\_mitsuokailande functionales f\_Erysipelotrichales; f\_Erysipelotrichaceae; g\_Catenibacterium; s\_mitsuokailande functionales f\_Erysipelotrichales; f\_Erysi
 k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Coprobacillus;s_
 k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_L7A_E11;s_
 k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_RFN20;s_
k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_[Eubacterium];s_biforme
k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_[Eubacterium];s_cylindroides
 k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_p-75-a5;s_
 k_Bacteria;p_Fusobacteria;c_Fusobacteriia;o_Fusobacteriales;f_Fusobacteriaceae;g_Fusobacterium;s_
  k_Bacteria;p_Fusobacteria;c_Fusobacteriia;o_Fusobacteriales;f_Leptotrichiaceae;g_Leptotrichia;s_
 k_Bacteria;p_Lentisphaerae;c_[Lentisphaeria];o_Victivallales;f_Victivallaceae;g_;s_
 k_Bacteria;p_Lentisphaerae;c_[Lentisphaeria];o_Victivallales;f_Victivallaceae;g_Victivallis;s_vadensis
            k_Bacteria;p_Lentisphaerae;c_[Lentisphaeria];o_Z20;f_R4-45B;g_;s_
 k_Bacteria;p_Planctomycetes;c_Planctomycetia;o_Pirellulales;f_Pirellulaceae;g_;s_
k_Bacteria;p_Proteobacteria;Other;Other;Other;Other
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k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;Other;Other;Other

k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rickettsiales;Other;Other;Other
 k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rickettsiales;f_;g_;s_
 k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;Other;Other;Other;Other

k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;o_Nitrosomonadales;f_;g_;s_

k_Bacteria;p_Proteobacteria;c_Deltaproteobacteria;o_GMD14H09;f_;g_;s_

k_Bacteria;p_Spirochaetes;c_Spirochaetes;Other;Other;Other

k_Bacteria;p_TM7;c_TM7-3;o_;f_;g_;s_ k_Bacteria:p_TM7:c_TM7-3:o_CW040:f_F

k_Bacteria;p_WPS-2;c__;o__;f__;g__;s_

k_Bacteria;p_Tenericutes;c_Mollicutes;o_RF39;f_;g_;s_ k_Bacteria;p_Tenericutes;c_RF3;o_ML615J-28;f_;g_;s_

k_Bacteria;p_Verrucomicrobia;c_Opitutae;o_HA64;f__;g__;s__

k_Bacteria;p_Verrucomicrobia;c_Verruco-5;o_WCHB1-41;f_RFP12;g__;s__

k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhodospirillales;f_Acetobacteraceae;g_Swaminathania;s_

 $\verb|k_Bacteria|; p_Proteobacteria|; c_Betaproteobacteria|; o_Neisseriales|; f_Neisseriaceae|; g_Neisseria|; s_subflava|$

k_Bacteria;p_Proteobacteria;c_Deltaproteobacteria;o_Desulfovibrionales;f_Desulfovibrionaceae;g_Bilophila;s_ k_Bacteria;p_Proteobacteria;c_Deltaproteobacteria;o_Desulfovibrionales;f_Desulfovibrionaceae;g_Desulfovibrio;s_

k_Bacteria;p_Proteobacteria;c_Epsilonproteobacteria;o_Campylobacterales;f_Campylobacteraceae;g_Campylobacter;s_
 k_Bacteria;p_Proteobacteria;c_Epsilonproteobacteria;o_Campylobacterales;f_Helicobacteraceae;g_Flexispira;s_
 k_Bacteria;p_Proteobacteria;c_Epsilonproteobacteria;o_Campylobacterales;f_Helicobacteraceae;g_Helicobacter;s_
 k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Aeromonadales;f_Succinivibrionaceae;g_Succinivibrio;s_
 k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Cardiobacteriales;f_Cardiobacteriaceae;g_Cardiobacterium;s_
 k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;g_Escherichia;s_coli

 $k_Bacteria; p_Proteobacteria; c_Gamma proteobacteria; o_Pasteurellales; f_Pasteurellaceae; g_Haemophilus; s_parainfluenzaee, b_Pasteurellaceae; b_Pasteurellaceae;$

k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Pseudomonadales;f_Pseudomonadaceae;g_Pseudomonas;s_

k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;o_Burkholderiales;f_Alcaligenaceae;g_Sutterella;s_
 k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;o_Burkholderiales;f_Oxalobacteraceae;g_Oxalobacter;Other

k_Bacteria;p_Proteobacteria;c_Deltaproteobacteria;o_Desulfovibrionales;f_Desulfovibrionaceae;g_;s_

k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Pasteurellales;f_Pasteurellaceae;Other;Other k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Pasteurellales;f_Pasteurellaceae;g_;s_

k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Pasteurellales;f_Pasteurellaceae;g_Actinobacillus;s_

k_Bacteria;p_Spirochaetes;c_Spirochaetes;o_Sphaerochaetales;f_Sphaerochaetaceae;g_Sphaerochaeta;s_
 k_Bacteria;p_Spirochaetes;c_Spirochaetes;o_Spirochaetales;f_Spirochaetaceae;g_Treponema;Other
 k_Bacteria;p_Spirochaetes;c_Spirochaetes;o_Spirochaetales;f_Spirochaetaceae;g_Treponema;s_
 k_Bacteria;p_Spirochaetes;c_[Brachyspirae];o_[Brachyspirales];f_Brachyspiraceae;g_Brachyspira;s_

k_Bacteria;p_Tenericutes;c_Mollicutes;o_Anaeroplasmatales;f_Anaeroplasmataceae;g_Anaeroplasma;s_

k_Bacteria;p_Synergistetes;c_Synergistia;o_Synergistales;f_Dethiosulfovibrionaceae;g_;s_
 k_Bacteria;p_Synergistetes;c_Synergistia;o_Synergistales;f_Dethiosulfovibrionaceae;g_TG5;s_
 k_Bacteria;p_Synergistetes;c_Synergistia;o_Synergistales;f_Synergistaceae;Other;Other

k_Bacteria;p_Tenericutes;c_Mollicutes;o_Anaeroplasmatales;f_Anaeroplasmataceae;g_;s_

k_Bacteria;p_Verrucomicrobia;c_Opitutae;o_[Cerasicoccales];f_[Cerasicoccaceae];g_;s_

k_Bacteria;p_Tenericutes;c_Mollicutes;o_Mycoplasmatales;f_Mycoplasmataceae;g_;s_

k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;o_Neisseriales;f_Neisseriaceae;g_Eikenella;s_ k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;o_Neisseriales;f_Neisseriaceae;g_Neisseria;s_

k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_RF32;f_;g_;s_