```
k_Bacteria;p_Actinobacteria;c_Actinobacteria;o_Actinomycetales;f_;g_
 k_Bacteria;p_Actinobacteria;c_Actinobacteria;o_Bifidobacteriales;f_Bifidobacteriaceae;g_Bifidobacterium
 k_Bacteria;p_Actinobacteria;c_Coriobacteriia;o_Coriobacteriales;f_Coriobacteriaceae;g_
             k\_Bacteria; p\_Actinobacteria; c\_Coriobacteriai; o\_Coriobacteriales; f\_Coriobacteriaceae; g\_Adlercreutziai; o\_Coriobacteriales; f\_Coriobacteriaceae; g\_Adlercreutziai; o\_Coriobacteriales; f\_Coriobacteriaceae; g\_Adlercreutziai; o\_Coriobacteriales; f\_Coriobacteriales; f\_Coriobacteriales;
              k\_Bacteria; p\_Actinobacteria; c\_Coriobacteriia; o\_Coriobacteriales; f\_Coriobacteriaceae; g\_Collinsella
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;Other;Other
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Bacteroidaceae;g_Bacteroides
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Porphyromonadaceae;g_Parabacteroides
             {\tt k\_Bacteria;p\_Bacteroidetes;c\_Bacteroidia;o\_Bacteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;f\_Prevotellaceae;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroidales;g\_Racteroida
             k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Prevotellaceae;g_Prevotella
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_Rikenellaceae;g_
             k\_Bacteria; p\_Bacteroidetes; c\_Bacteroidia; o\_Bacteroidales; f\_Rikenellaceae; g\_AF12
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_S24-7;g_
 k_Bacteria;p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_[Odoribacteraceae];g_Odoribacter
              \label{local_problem} $k\_Bacteria; p\_Bacteroidetes; c\_Bacteroidia; o\_Bacteroidales; f\_[Paraprevotellaceae]; g\_[Prevotella]$
 k_Bacteria;p_Bacteroidetes;c_Flavobacteriia;o_Flavobacteriales;f_Flavobacteriaceae;g_
 k_Bacteria;p_Bacteroidetes;c_Sphingobacteriia;o_Sphingobacteriales;f_Sphingobacteriaceae;g_Sphingobacterium
 k_Bacteria;p_Cyanobacteria;c_4C0d-2;o_YS2;f_;g_
k_Bacteria;p_Deferribacteres;c_Deferribacteres;o_Deferribacterales;f_Deferribacteraceae;g_Mucispirillum
 k_Bacteria;p_Firmicutes;c_Bacilli;o_Bacillales;f_Paenibacillaceae;g_Paenibacillus
 k_Bacteria;p_Firmicutes;c_Bacilli;o_Lactobacillales;f_Lactobacillaceae;g_Lactobacillus
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;Other;Other
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_;g_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Christensenellaceae;g_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Clostridiaceae;g_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Clostridiaceae;g_Candidatus Arthromitus
             k\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Clostridiaceae; g\_Clostridium
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Dehalobacteriaceae;g_Dehalobacterium
             k\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; Otherwise and the control of the 
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Lachnospiraceae;g_Coprococcus
             k\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Dorea
             k\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_[Ruminococcus]
k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Peptococcaceae;g_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;Other
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_
 k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_Ruminococcaceae;g_Oscillospira
             k\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Ruminococcaceae; g\_Ruminococcus
           k_Bacteria;p_Firmicutes;c_Clostridia;o_Clostridiales;f_[Mogibacteriaceae];g_
 k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_
             k\_Bacteria; p\_Firmicutes; c\_Erysipelotrichi; o\_Erysipelotrichales; f\_Erysipelotrichaceae; g\_Allobaculum and the properties of the proper
 k_Bacteria;p_Firmicutes;c_Erysipelotrichi;o_Erysipelotrichales;f_Erysipelotrichaceae;g_Coprobacillus
 k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o__;f__;g_
              k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_RF32;f_;g_
 k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;o_Burkholderiales;Other;Other
 k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;o_Burkholderiales;f_Alcaligenaceae;g_
 k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;o_Burkholderiales;f_Alcaligenaceae;g_Achromobacter
 k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;o_Burkholderiales;f_Alcaligenaceae;g_Sutterella
k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Burkholderia
 k_Bacteria;p_Proteobacteria;c_Deltaproteobacteria;o_Desulfovibrionales;f_Desulfovibrionaceae;g_
 k_Bacteria;p_Proteobacteria;c_Deltaproteobacteria;o_Desulfovibrionales;f_Desulfovibrionaceae;g_Desulfovibrio
 k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;Other;Other
 k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;Other
 k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Enterobacteriales;f_Enterobacteriaceae;g_
 k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Pseudomonadales;f_Pseudomonadaceae;g_
             {\tt k\_Bacteria;p\_Proteobacteria;c\_Gamma proteobacteria;o\_Pseudomonadales;f\_Pseudomonadaceae;g\_Pseudomonadalea;f\_Pseudomonadaceae;g\_Pseudomonadalea;f\_Pseudomonadalea;f\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadaleae;g\_Pseudomonadae;g\_Pseudomonadae;g\_Pseudomonadae;g\_Pseudomonadae;g\_Pseudomon
 k_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Xanthomonadales;f_Xanthomonadaceae;g_Stenotrophomonas
k_Bacteria;p_TM7;c_TM7-3;o_CW040;f_F16;g_
 k_Bacteria;p_Tenericutes;c_Mollicutes;o_RF39;f_;g_
k_Bacteria;p_Verrucomicrobia;c_Verrucomicrobiae;o_Verrucomicrobiales;f_Verrucomicrobiaceae;g_Akkermansia
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Unassigned;Other;Other;Other;Other;Other
k Bacteria;Other;Other;Other;Other;Other