

K\_Archaea; p\_Euryarchaeota; c\_Methanobacteria; o\_Methanobacteriales; f\_Methanobacteriaceae; g\_Methanobrevibacter

K\_Bacteria; p\_\_; c\_\_; o\_\_; f\_\_; g\_\_

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Actinomycetales; f\_Actinomycetaceae; g\_\_

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Actinomycetales; f\_Actinomycetaceae; g\_Actinobaculum

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Actinomycetales; f\_Actinomycetaceae; g\_Actinomycetes

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Actinomycetales; f\_Actinomycetaceae; g\_Arcanobacterium

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Actinomycetales; f\_Actinomycetaceae; g\_Parascardovia

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Actinomycetales; f\_Actinomycetaceae; g\_Varibaculum

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Actinomycetales; f\_Corynebacteriaceae; g\_Corynebacterium

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Actinomycetales; f\_Microbacteriaceae; g\_Cryocola

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Actinomycetales; f\_Microbacteriaceae; g\_Microbacterium

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Actinomycetales; f\_Micrococccaceae; g\_Rothia

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Actinomycetales; f\_Propionibacteriaceae; g\_\_

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Bifidobacteriales; f\_\_g\_\_

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Bifidobacteriales; f\_Bifidobacteriaceae; g\_\_

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Bifidobacteriales; f\_Bifidobacteriaceae; g\_Alloscardovia

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Bifidobacteriales; f\_Bifidobacteriaceae; g\_Bifidobacterium

K\_Bacteria; p\_Actinobacteria; c\_Actinobacteria; o\_Bifidobacteriales; f\_Bifidobacteriaceae; g\_Scardovia

K\_Bacteria; p\_Aquificae; c\_Aquificae; o\_Aquificales; f\_Hydrogenothermaceae; g\_\_

K\_Bacteria; p\_Bacteroidetes; c\_Bacteroidia; o\_Bacteroidales; f\_Bacteroidaceae; 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

K\_Bacteria; p\_Bacteroidetes; c\_Bacteroidia; o\_Bacteroidales; f\_Porphyromonadaceae; g\_Porphyromonas

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\_S24-7; g\_\_

K\_Bacteria; p\_Bacteroidetes; c\_Bacteroidia; o\_Bacteroidales; f\_Barnesiellaceae; g\_\_

K\_Bacteria; p\_Bacteroidetes; c\_Bacteroidia; o\_Bacteroidales; f\_Odoribacteraceae; g\_Butyricimonas

K\_Bacteria; p\_Bacteroidetes; c\_Bacteroidia; o\_Bacteroidales; f\_Odoribacteraceae; g\_Odoribacter

K\_Bacteria; p\_Bacteroidetes; c\_Bacteroidia; o\_Bacteroidales; f\_Paraprevotellaceae; g\_Paraprevotella

K\_Bacteria; p\_Bacteroidetes; c\_Flavobacteria; o\_Flavobacteriales; f\_Flavobacteriaceae; g\_\_

K\_Bacteria; p\_Bacteroidetes; c\_Sphingobacteriales; o\_Sphingobacteriales; f\_Sphingobacteriaceae; g\_Pedobacter

K\_Bacteria; p\_Bacteroidetes; c\_Sphingobacteriales; o\_Sphingobacteriales; f\_Sphingobacteriaceae; g\_Sphingobacterium

K\_Bacteria; p\_Cyanobacteria; c\_ACD2; o\_Y52; f\_\_g\_\_

K\_Bacteria; p\_Cyanobacteria; c\_Chloroplast; o\_Streptophyta; f\_\_g\_\_

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_\_; f\_\_; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Bacillales; f\_Listeriaceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Bacillales; f\_Planococcaceae; g\_Solibacillus

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Bacillales; f\_Staphylococcaceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Bacillales; f\_Staphylococcaceae; g\_Staphylococcus

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Gemellales; f\_Gemellaceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Gemellales; f\_Gemellaceae; g\_Gemella

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_\_g\_\_

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Aerococcaceae; g\_Abiotrophia

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Aerococcaceae; g\_Alloiooccus

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Carnobacteriaceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Carnobacteriaceae; g\_Granulicatella

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Enterococcaceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Enterococcaceae; g\_Enterococcus

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Enterococcaceae; g\_Melissococcus

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Enterococcaceae; g\_Vagococcus

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Enterococcaceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Lactobacillaceae; g\_Lactobacillus

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Lactobacillaceae; g\_Pedococcus

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Leuconostocaceae; g\_Leuconostoc

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Streptococcaceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Streptococcaceae; g\_Lactococcus

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Lactobacillales; f\_Streptococcaceae; g\_Streptococcus

K\_Bacteria; p\_Firmicutes; c\_Bacilli; o\_Turcibacteriales; f\_Turcibacteriaceae; g\_Turcibacter

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_\_; f\_\_; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_\_; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Catlabacteriaceae; 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\_Anaerococcus

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Clostridiaceae; g\_Clostridium

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Clostridiaceae; g\_Finegoldia

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Clostridiaceae; g\_Mogibacterium

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Clostridiaceae; g\_Peptoniphilus

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Clostridiaceae; g\_Sarcina

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Dehalobacteriaceae; g\_Dehalobacterium

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Eubacteriaceae; g\_Anaerofustis

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Eubacteriaceae; g\_Eubacterium

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Anaerostipes

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Blautia

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Catonella

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Coproccoccus

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Dorea

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Lachnospira

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Moryella

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Onibacterium

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Rosaburia

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Lachnospiraceae; g\_Ruminococcus

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Peptococcaceae; g\_Peptococcus

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Peptoostreptococcaceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Peptoostreptococcaceae; g\_Fillfactor

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Peptoostreptococcaceae; g\_Peptoostreptococcus

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Ruminococcaceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Ruminococcaceae; g\_Anaerotruncus

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Ruminococcaceae; g\_Faecalibacterium

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\_Veillonellaceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Veillonellaceae; g\_Dialister

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Veillonellaceae; g\_Megamonas

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Veillonellaceae; g\_Megasphaera

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Veillonellaceae; g\_Negativicoccus

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Veillonellaceae; g\_Phascolartobacterium

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Veillonellaceae; g\_Selenomonas

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Clostridiales; f\_Veillonellaceae; g\_Veillonella

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Coriobacteriales; f\_\_g\_\_

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Coriobacteriales; f\_Coriobacteriaceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Coriobacteriales; f\_Coriobacteriaceae; g\_Adlercreutzia

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Coriobacteriales; f\_Coriobacteriaceae; g\_Atopobium

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Coriobacteriales; f\_Coriobacteriaceae; g\_Collinsella

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Coriobacteriales; f\_Coriobacteriaceae; g\_Eggerthella

K\_Bacteria; p\_Firmicutes; c\_Clostridia; o\_Coriobacteriales; f\_Coriobacteriaceae; g\_Slackia

K\_Bacteria; p\_Firmicutes; c\_Erysipelotrichi; o\_Erysipelotrichales; f\_\_g\_\_

K\_Bacteria; p\_Firmicutes; c\_Erysipelotrichi; o\_Erysipelotrichales; f\_Erysipelotrichaceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Erysipelotrichi; o\_Erysipelotrichales; f\_Erysipelotrichaceae; g\_Allobaculum

K\_Bacteria; p\_Firmicutes; c\_Erysipelotrichi; o\_Erysipelotrichales; f\_Erysipelotrichaceae; g\_Bulleidia

K\_Bacteria; p\_Firmicutes; c\_Erysipelotrichi; o\_Erysipelotrichales; f\_Erysipelotrichaceae; g\_Holdemanina

K\_Bacteria; p\_Firmicutes; c\_Erysipelotrichi; o\_Erysipelotrichales; f\_Erysipelotrichaceae; g\_Eubacterium

K\_Bacteria; p\_Firmicutes; c\_Erysipelotrichi; o\_Erysipelotrichales; f\_Erysipelotrichaceae; g\_cc\_115

K\_Bacteria; p\_Firmicutes; c\_Erysipelotrichi; o\_Erysipelotrichales; f\_Coprobacillaceae; g\_\_

K\_Bacteria; p\_Firmicutes; c\_Erysipelotrichi; o\_Erysipelotrichales; f\_Coprobacillaceae; g\_Coprobacillus

K\_Bacteria; p\_Firmicutes; c\_RF3; o\_\_; f\_\_; g\_\_

K\_Bacteria; p\_Firmicutes; c\_RF3; o\_ML615J28; f\_\_; g\_\_

K\_Bacteria; p\_Fusobacteria; c\_Fusobacteria; o\_Fusobacteriales; f\_Fusobacteriaceae; g\_Fusobacterium

K\_Bacteria; p\_Fusobacteria; c\_Fusobacteria; o\_Fusobacteriales; f\_Leptotrichiaceae; g\_Leptotrichia

K\_Bacteria; p\_Proteobacteria; c\_Alphaproteobacteria; o\_Caulobacteriales; f\_Caulobacteriaceae; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Alphaproteobacteria; o\_RF32; f\_\_; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Alphaproteobacteria; o\_Rhodobacteriales; f\_Rhodobacteriaceae; g\_Roseivivax

K\_Bacteria; p\_Proteobacteria; c\_Alphaproteobacteria; o\_Rickettsiales; f\_mitochondria; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Alphaproteobacteria; o\_Sphingomonadales; f\_Sphingomonadaceae; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Betaproteobacteria; o\_\_; f\_\_; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Betaproteobacteria; o\_Burkholderiales; f\_Alcigenaceae; g\_Achromobacter

K\_Bacteria; p\_Proteobacteria; c\_Betaproteobacteria; o\_Burkholderiales; f\_Alcigenaceae; g\_Sutterella

K\_Bacteria; p\_Proteobacteria; c\_Betaproteobacteria; o\_Burkholderiales; f\_Oxalobacteriaceae; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Betaproteobacteria; o\_Burkholderiales; f\_Oxalobacteriaceae; g\_Oxalobacter

K\_Bacteria; p\_Proteobacteria; c\_Betaproteobacteria; o\_Neisseriales; f\_Neisseriaceae; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Betaproteobacteria; o\_Neisseriales; f\_Neisseriaceae; g\_Conchiformibus

K\_Bacteria; p\_Proteobacteria; c\_Betaproteobacteria; o\_Neisseriales; f\_Neisseriaceae; g\_Kingella

K\_Bacteria; p\_Proteobacteria; c\_Deltaproteobacteria; o\_Desulfovibrionales; f\_Desulfovibrionaceae; g\_Bilophila

K\_Bacteria; p\_Proteobacteria; c\_Deltaproteobacteria; o\_Desulfovibrionales; f\_Desulfovibrionaceae; g\_Desulfovibrio

K\_Bacteria; p\_Proteobacteria; c\_Epsilonproteobacteria; o\_Campylobacteriales; f\_Campylobacteriaceae; g\_Campylobacter

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_\_; f\_\_; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Aeromonadales; f\_\_; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Aeromonadales; f\_Aeromonadaceae; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Cardiobacteriales; f\_Cardiobacteriaceae; g\_Cardiobacterium

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Enterobacteriales; f\_Enterobacteriaceae; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Enterobacteriales; f\_Enterobacteriaceae; g\_Citrobacter

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Enterobacteriales; f\_Enterobacteriaceae; g\_Enterobacter

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Enterobacteriales; f\_Enterobacteriaceae; g\_Erinwinia

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Enterobacteriales; f\_Enterobacteriaceae; g\_Escherichia

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Enterobacteriales; f\_Enterobacteriaceae; g\_Klebsiella

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Enterobacteriales; f\_Enterobacteriaceae; g\_Plesiomonas

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Enterobacteriales; f\_Enterobacteriaceae; g\_Proteus

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Enterobacteriales; f\_Enterobacteriaceae; g\_Trabulsiliella

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Oceanospirillales; f\_Halomonadaceae; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Pasteurellales; f\_Pasteurellaceae; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Pasteurellales; f\_Pasteurellaceae; g\_Actinobacillus

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Pasteurellales; f\_Pasteurellaceae; g\_Aggregatibacter

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Pasteurellales; f\_Pasteurellaceae; g\_Haemophilus

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Pasteurellales; f\_Pasteurellaceae; g\_Mannheimia

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Pseudomonadales; f\_Moraxellaceae; g\_Acinetobacter

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Pseudomonadales; f\_Pseudomonadaceae; g\_\_

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Pseudomonadales; f\_Pseudomonadaceae; g\_Pseudomonas

K\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria; o\_Xanthomonadales; f\_Xanthomonadaceae; g\_Stenotrophomonas

K\_Bacteria; p\_Synergistetes; c\_Synergistia; o\_Synergistales; f\_Dethiosulfovibrionaceae; g\_TG5

K\_Bacteria; p\_Synergistetes; c\_Synergistia; o\_Synergistales; f\_Synergistaceae; g\_Cloacibacillus

K\_Bacteria; p\_TM7; c\_TM7-3; o\_\_; f\_\_; g\_\_

K\_Bacteria; p\_Tenericutes; c\_Mollicutes; o\_RF39; f\_\_; g\_\_

K\_Bacteria; p\_Verrucomicrobia; c\_Verrucomicrobiae; o\_Verrucomicrobiales; f\_Verrucomicrobiaceae; g\_Akkermansia