```
k\_Bacteria; p\_Acidobacteria; c\_S035
    k_Bacteria;p_Acidobacteria;c_Solibacteres
     k__Bacteria;p__Acidobacteria;c__Sva0725
    k__Bacteria;p__Acidobacteria;c__TM1
    k_Bacteria;p_Acidobacteria;c_[Chloracidobacteria]
   ■ k_Bacteria;p_Acidobacteria;c_iii1-8
    k_Bacteria;p_Actinobacteria;c_Acidimicrobiia
   k_Bacteria;p_Actinobacteria;c_Actinobacteria
    k_Bacteria;p_Actinobacteria;c_Coriobacteriia
   k_Bacteria;p_Actinobacteria;c_MB-A2-108
     k Bacteria; p Actinobacteria; c Nitriliruptoria
   k_Bacteria;p_Actinobacteria;c_OPB41
       _Bacteria;p__Actinobacteria;c__Rubrobacteria
    k_Bacteria;p_Actinobacteria;c_Thermoleophilia
   k_Bacteria;p_Aquificae;c_Aquificae
k_Bacteria;p_Armatimonadetes;c_0319-6E2
   k_Bacteria;p_Armatimonadetes;c_Armatimonadia
   k_Bacteria;p_Armatimonadetes;c_Chthonomonadetes
k_Bacteria;p_Armatimonadetes;c_SHA-37
    k_Bacteria;p_Armatimonadetes;c_SJA-176
    k\_Bacteria; p\_Armatimonadetes; c\_[Fimbriimonadia]
    k_Bacteria;p_BHI80-139;c_
   k_Bacteria;p_BRC1;c_PRR-11
    k__Bacteria;p__Bacteroidetes;c_
    k__Bacteria;p__Bacteroidetes;c__At12OctB3
     k__Bacteria;p__Bacteroidetes;c__BME43
k_Bacteria;p_Bacteroidetes;c_Bacteroidia
     k__Bacteria;p__Bacteroidetes;c__Cytophagia
    k\_Bacteria; p\_Bacteroidetes; c\_Flavobacteriia
    k_Bacteria;p_Bacteroidetes;c_Sphingobacteriia
k_Bacteria;p_Bacteroidetes;c_VC2_1_Bac22
    k_Bacteria;p_Bacteroidetes;c_[Rhodothermi]
  k_Bacteria;p_Bacteroidetes;c_[Saprospirae]
    k_Bacteria;p_Caldithrix;c_Caldithrixae
   ■ k_Bacteria;p_Chlamydiae;c_Chlamydiia
   k_Bacteria;p_Chlorobi;c_
   ■ k_Bacteria;p_Chlorobi;c_BSV26
   k_Bacteria;p_Chlorobi;c_Ignavibacteria
k_Bacteria;p_Chlorobi;c_OPB56
   k__Bacteria;p__Chlorobi;c__SJA-28
   k_Bacteria;p_Chloroflexi;c_
   k_Bacteria;p_Chloroflexi;c_Anaerolineae
    k_Bacteria;p_Chloroflexi;c_C0119
   k_Bacteria;p_Chloroflexi;c_Chloroflexi
   k_Bacteria;p_Chloroflexi;c_Dehalococcoidetes
k_Bacteria;p_Chloroflexi;c_Ellin6529
    k_Bacteria;p_Chloroflexi;c_Gitt-GS-136
k_Bacteria;p_Chloroflexi;c_Ktedonobacteria
    k_Bacteria;p_Chloroflexi;c_P2-11E
   k_Bacteria;p_Chloroflexi;c_S085
   k_Bacteria;p_Chloroflexi;c_SAR202
   k_Bacteria;p_Chloroflexi;c_TK10
   k_Bacteria;p_Chloroflexi;c_TK17
    k\_Bacteria; p\_Chloroflexi; c\_Thermomicrobia
       _Bacteria;p__Chloroflexi;c__[Thermobacula]
       _Bacteria;p__Cyanobacteria;c_
    k\_Bacteria; p\_Cyanobacteria; c\_4C0d-2
    k\_Bacteria; p\_Cyanobacteria; c\_Chloroplast
   ■ k_Bacteria;p_Cyanobacteria;c_Gloeobacterophycideae
■ k_Bacteria;p_Cyanobacteria;c_ML635J-21
    k_Bacteria;p_Cyanobacteria;c_Nostocophycideae
    k\_Bacteria; p\_Cyanobacteria; c\_Oscillatorio phycideae
    k\_Bacteria; p\_Cyanobacteria; c\_Synechococcophycideae
    k_Bacteria;p_Deferribacteres;c_Deferribacteres
   k_Bacteria;p_Elusimicrobia;c_
    k__Bacteria;p__Elusimicrobia;c__Elusimicrobia
   k__Bacteria;p__Elusimicrobia;c__Endomicrobia
    k__Bacteria;p__Elusimicrobia;c__OP2
    k__Bacteria;p__FBP;c
    k__Bacteria;p__FCPU426;c__
   k_Bacteria;p_Fibrobacteres;c_B5-096
    k_Bacteria;p_Fibrobacteres;c_Fibrobacteria
   k_Bacteria;p_Fibrobacteres;c_TG3
   k_Bacteria;p_Firmicutes;c_Bacilli
k_Bacteria;p_Firmicutes;c_Clostridia
   ■ k__Bacteria;p__Firmicutes;c__Erysipelotrichi
  k_Bacteria;p_Firmicutes;c_OPB54
   k__Bacteria;p__Fusobacteria;c__Fusobacteriia
   k__Bacteria;p__GN02;c__
  k__Bacteria;p__GN02;c__3BR-5F
   k_Bacteria;p_GN02;c_BD1-5
  k_Bacteria;p_GN04;c_
  k_Bacteria;p_GN04;c_GN15
    k__Bacteria;p__GN04;c__MSB-5A5
  k_Bacteria;p_GOUTA4;c_
    k_Bacteria;p_Gemmatimonadetes;c_
     k\_Bacteria; p\_Gemmatimona detes; c\_Gemm-1
    k__Bacteria;p__Gemmatimonadetes;c__Gemm-2
    k_Bacteria;p_Gemmatimonadetes;c_Gemm-3
   k_Bacteria;p_Gemmatimonadetes;c_Gemm-4
    k_Bacteria;p_Gemmatimonadetes;c_Gemm-5
   k_Bacteria;p_Gemmatimonadetes;c_Gemmatimonadetes
    k_Bacteria;p_H-178;c_
   k_Bacteria;p_Lentisphaerae;c_[Lentisphaeria]
    k_Bacteria;p_MVP-21;c_
    k_Bacteria;p_MVS-104;c_
    k_Bacteria;p_NKB19;c_
    k_Bacteria;p_NKB19;c_TSBW08
    k_Bacteria;p_Nitrospirae;c_Nitrospira
    k__Bacteria;p__OD1;c_
   k_Bacteria;p_OD1;c_ABY1
k_Bacteria;p_OD1;c_SM2F11
k_Bacteria;p_OD1;c_ZB2
k_Bacteria;p_OP1;c_MSBL6
    k_Bacteria;p_OP11;c_WCHB1-64
    k__Bacteria;p__OP3;c_
  ■ k_Bacteria;p_OP3;c_BD4-9
    k_Bacteria;p_OP3;c_PBS-25
    k__Bacteria;p__OP3;c__koll11
    k_Bacteria;p_OP8;c_OP8_1
   k_Bacteria;p_OP8;c_OP8_2
    k_Bacteria;p_Planctomycetes;c_028H05-P-BN-P5
     k\_Bacteria; p\_Planctomycetes; c\_BD7-11
    k_Bacteria;p_Planctomycetes;c_C6
       ____Bacteria;p__Planctomycetes;c__ODP123
     k_Bacteria;p_Planctomycetes;c_OM190
    k\_Bacteria; p\_Planctomycetes; c\_Phycisphaerae
    k Bacteria;p Planctomycetes;c Pla3
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k\_\_Archaea;p\_\_Crenarchaeota;c\_\_ k\_\_Archaea;p\_\_Crenarchaeota;c\_\_MCG

k\_Bacteria;p\_AC1;c\_HDBW-WB69 k\_Bacteria;p\_Acidobacteria;c\_

k\_Bacteria;p\_Acidobacteria;c\_OS-Kk\_Bacteria;p\_Acidobacteria;c\_PAUC37fk\_Bacteria;p\_Acidobacteria;c\_RB25

k\_Bacteria;p\_Acidobacteria;c\_Acidobacteria-5
k\_Bacteria;p\_Acidobacteria;c\_Acidobacteria-6
k\_Bacteria;p\_Acidobacteria;c\_Acidobacteriia
k\_Bacteria;p\_Acidobacteria;c\_DA052
k\_Bacteria;p\_Acidobacteria;c\_Holophagae

■ k\_Bacteria;p\_Planctomycetes;c\_Planctomycetia ■ k\_Bacteria;p\_Planctomycetes;c\_[Brocadiae] ■ k\_Bacteria;p\_Planctomycetes;c\_vadinHA49

k\_Bacteria;p\_Proteobacteria;c\_
 k\_Bacteria;p\_Proteobacteria;c\_Alphaproteobacteria
 k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria
 k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria
 k\_Bacteria;p\_Proteobacteria;c\_Epsilonproteobacteria
 k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria

| k\_Bacteria;p\_Proteobacteria;c\_TA18 | k\_Bacteria;p\_SAR406;c\_AB16

k\_Bacteria;p\_Spirochaetes;c\_MVP-15
k\_Bacteria;p\_Spirochaetes;c\_Spirochaetes
k\_Bacteria;p\_Spirochaetes;c\_[Brachyspirae]
k\_Bacteria;p\_Spirochaetes;c\_[Brevinematae]
k\_Bacteria;p\_Synergistetes;c\_Synergistia

k\_Bacteria;p\_Tenericutes;c\_CK-1C4-19 k\_Bacteria;p\_Tenericutes;c\_Mollicutes k\_Bacteria;p\_Tenericutes;c\_RF3

k\_Bacteria;p\_Verrucomicrobia;c\_
 k\_Bacteria;p\_Verrucomicrobia;c\_Opitutae
 k\_Bacteria;p\_Verrucomicrobia;c\_Verruco-5
 k\_Bacteria;p\_Verrucomicrobia;c\_Verrucomicrobiae
 k\_Bacteria;p\_Verrucomicrobia;c\_[Methylacidiphilae]
 k\_Bacteria;p\_Verrucomicrobia;c\_[Pedosphaerae]
 k\_Bacteria;p\_Verrucomicrobia;c\_[Spartobacteria]

k\_Bacteria;p\_WPS-2;c\_ k\_Bacteria;p\_WS2;c\_SHA-109 k\_Bacteria;p\_WS3;c\_PRR-12 k\_Bacteria;p\_ZB3;c\_BS119 k\_Bacteria;p\_[Thermi];c\_Deinococci

 $k\_Bacteria; p\_Thermotogae; c\_Thermotogae$ 

k\_Bacteria;p\_TM6;c\_SBRH58
k\_Bacteria;p\_TM6;c\_SJA-4
k\_Bacteria;p\_TM7;c\_MJK10
k\_Bacteria;p\_TM7;c\_SC3
k\_Bacteria;p\_TM7;c\_TM7-1
k\_Bacteria;p\_TM7;c\_TM7-3

k\_Bacteria;p\_SR1;c\_

k\_Bacteria;p\_;c\_k\_Bacteria;p\_AC1;c\_

k\_Archaea;p\_Euryarchaeota;c\_DSEG
 k\_Archaea;p\_Euryarchaeota;c\_Halobacteria
 k\_Archaea;p\_Euryarchaeota;c\_Methanobacteria
 k\_Archaea;p\_Euryarchaeota;c\_Methanomicrobia
 k\_Archaea;p\_Euryarchaeota;c\_Thermoplasmata
 k\_Archaea;p\_[Parvarchaeota];c\_[Parvarchaea]

k\_\_Archaea;p\_\_Crenarchaeota;c\_\_Thaumarchaeota