Unassigned;Other;Other k\_\_Archaea;p\_\_Crenarchaeota;c\_\_MBGA k\_\_Archaea;p\_\_Crenarchaeota;c\_\_MBGB  $k\_Archaea; p\_Crenarchaeota; c\_MCG$  $k\_Archaea; p\_Crenarchaeota; c\_Thaumarchaeota$  $k\_Archaea; p\_Euryarchaeota; c\_ANME-1$  $k\_Archaea; p\_Euryarchaeota; c\_Halobacteria$ 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\_Bacteria;Other;Other k\_Bacteria;p\_;c\_ k\_Bacteria;p\_AC1;c\_HDBW-WB69 k\_Bacteria;p\_AD3;c\_ABS-6 Bacteria;p\_AD3;c\_JG37-AG-4 k\_Bacteria;p\_Acidobacteria;c\_ k Bacteria; p Acidobacteria; c AT-s2-57 k\_Bacteria;p\_Acidobacteria;c\_AT-s54 ■ 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\_BPC102 k\_Bacteria;p\_Acidobacteria;c\_DA052 ■ k\_Bacteria;p\_Acidobacteria;c\_EC1113 k\_\_Bacteria;p\_\_Acidobacteria;c\_\_Holophagae  $k\_Bacteria; p\_Acidobacteria; c\_OS-K$ k Bacteria; p Acidobacteria; c PAUC37f \_Bacteria;p\_\_Acidobacteria;c\_\_RB25 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;Other k\_\_Bacteria;p\_\_Actinobacteria;c\_ \_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  $k\_Bacteria; p\_Actinobacteria; c\_Rubrobacteria$  $k\_Bacteria; p\_Actinobacteria; c\_Thermoleophilia$ k\_Bacteria;p\_AncK6;c\_ k Bacteria;p Aquificae;c Aquificae  $k\_Bacteria; p\_Armatimona detes; c\_0319-6E2$ \_Bacteria;p\_\_Armatimonadetes;c\_\_Armatimonadia  $k\_Bacteria; p\_Armatimona detes; c\_Chthonomona detes$ ■ k\_Bacteria;p\_Armatimonadetes;c\_OPB50 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;Other 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\_SM1A07 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\_Caldiserica;c\_WCHB1-03 ■ 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\_\_lgnavibacteria ■ k\_Bacteria;p\_Chlorobi;c\_OPB56 k\_Bacteria;p\_Chlorobi;c\_SJA-28  $k\_Bacteria; p\_Chloroflexi; Other$ 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\_SHA-26 k\_Bacteria;p\_Chloroflexi;c\_TK10 k\_Bacteria;p\_Chloroflexi;c\_TK17 l k\_\_Bacteria;p\_\_Chloroflexi;c\_\_Thermomicrobia k\_Bacteria;p\_Chloroflexi;c\_[Thermobacula] k\_Bacteria;p\_Cyanobacteria;Other k\_\_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\_\_ Bacteria; p Elusimicrobia; c Elusimicrobia  $k\_Bacteria; p\_Elusimicrobia; c\_Endomicrobia$ ■ k Bacteria;p FBP;c k\_\_Bacteria;p\_\_FCPU426;c\_\_ k\_\_Bacteria;p\_\_Fibrobacteres;c\_ k\_Bacteria;p\_Fibrobacteres;c\_B5-096 k\_Bacteria;p\_Fibrobacteres;c\_Fibrobacteria k\_Bacteria;p\_Fibrobacteres;c\_SBZC\_2415 k\_Bacteria;p\_Fibrobacteres;c\_TG3 k\_Bacteria;p\_Firmicutes;Other ■ 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\_BB34 k\_Bacteria;p\_GN02;c\_BD1-5 k\_Bacteria;p\_GN02;c\_GKS2-174 k\_Bacteria;p\_GN02;c\_GN07 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\_Gemmatimonadetes;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  $k\_Bacteria; p\_Gemmatimona detes; c\_Gemmatimona detes$ \_\_\_\_ k\_Bacteria;p\_Kazan-3B-28;c\_\_ k\_\_Bacteria;p\_\_LD1;c\_ k\_Bacteria;p\_Lentisphaerae;c\_[Lentisphaeria] k\_Bacteria;p\_MVP-21;c\_ k\_\_Bacteria;p\_\_NC10;c\_\_wb1-A12 k\_Bacteria;p\_NKB19;c\_TSBW08 k\_Bacteria;p\_Nitrospirae;c\_Nitrospira ■ k\_\_Bacteria;p\_\_OC31;c\_\_ k\_Bacteria;p\_OD1;c\_ k\_Bacteria;p\_OD1;c\_ABY1 k\_Bacteria;p\_OD1;c\_Mb-NB09 k\_Bacteria;p\_OD1;c\_SM2F11 k\_Bacteria;p\_OD1;c\_ZB2 k\_Bacteria;p\_OP11;c\_ k\_Bacteria;p\_OP11;c\_OP11-2 k\_Bacteria;p\_OP11;c\_OP11-3 k\_Bacteria;p\_OP11;c\_OP11-4 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 OP8;c SAW1 B6 k\_Bacteria;p\_OP9;c\_JS1 k\_Bacteria;p\_PAUC34f;c\_ k\_\_Bacteria;p\_\_Planctomycetes;c\_\_ k\_Bacteria;p\_Planctomycetes;c\_028H05-P-BN-P5 k\_Bacteria;p\_Planctomycetes;c\_BD7-11 k\_Bacteria;p\_Planctomycetes;c\_C6 k\_Bacteria;p\_Planctomycetes;c\_ODP123 ■ k\_Bacteria;p\_Planctomycetes;c\_OM190 k\_Bacteria;p\_Planctomycetes;c\_Phycisphaerae k\_Bacteria;p\_Planctomycetes;c\_Pla3 k\_Bacteria;p\_Planctomycetes;c\_Pla4 ■ k\_Bacteria;p\_Planctomycetes;c\_Planctomycetia ■ k\_Bacteria;p\_Planctomycetes;c\_SBZP\_4958 ■ k\_\_Bacteria;p\_\_Planctomycetes;c\_\_[Brocadiae] k\_Bacteria;p\_Planctomycetes;c\_vadinHA49 k\_Bacteria;p\_Proteobacteria;Other 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\_SBR1093;c\_ k\_Bacteria;p\_SBR1093;c\_A712011 k\_Bacteria;p\_SC4;c\_ k\_Bacteria;p\_SR1;c\_ k\_Bacteria;p\_Spirochaetes;c\_MVP-15 k\_Bacteria;p\_Spirochaetes;c\_Spirochaetes k\_Bacteria;p\_Spirochaetes;c\_[Brachyspirae] \_Bacteria;p\_\_Spirochaetes;c\_\_[Brevinematae] k\_Bacteria;p\_Spirochaetes;c\_[Leptospirae] k\_Bacteria;p\_Synergistetes;c\_Synergistia k\_Bacteria;p\_TM6;c\_F38 ■ k\_\_Bacteria;p\_\_TM6;c\_\_SBRH58 ■ k\_\_Bacteria;p\_\_TM6;c\_\_SJA-4 k\_\_Bacteria;p\_\_TM7;c\_ k\_Bacteria;p\_TM7;c\_MJK10 \_Bacteria;p\_\_TM7;c\_ SC3 k\_Bacteria;p\_TM7;c\_TM7-1 k\_Bacteria;p\_TM7;c\_TM7-3  $k\_Bacteria; p\_Tenericutes; c\_CK-1C4-19$  $k\_Bacteria; p\_Tenericutes; c\_Mollicutes$  $k\_Bacteria; p\_Tenericutes; c\_RF3$ k\_\_Bacteria;p\_\_Thermotogae;c\_\_Thermotogae  $k\_Bacteria; p\_Verru comic robia; c\_Opitutae$ 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] \_Bacteria;p\_\_WPS-2;c\_\_ \_Bacteria;p\_\_WS1;c\_ k\_Bacteria;p\_WS2;c\_Kazan-3B-09 k\_\_Bacteria;p\_\_WS2;c\_\_SHA-109 k\_Bacteria;p\_WS3;c\_PRR-12 k\_Bacteria;p\_WS4;c\_ k\_Bacteria;p\_WS5;c\_ k\_Bacteria;p\_WWE1;c\_MSBL2  $k\_Bacteria; p\_WWE1; c\_[Cloacamonae]$ k\_\_Bacteria;p\_\_ZB3;c\_\_ k\_Bacteria;p\_ZB3;c\_BS119  $k\_Bacteria; p\_[Caldithrix]; c\_KSB1$ k\_Bacteria;p\_[Thermi];c\_Deinococci