

k\_Archaea\_p\_Crenarchaeota;c\_MBGa;o\_NRP  
k\_Archaea\_p\_Crenarchaeota;c\_MCG;o\_pGrfC26  
k\_Archaea\_p\_Crenarchaeota;c\_Thaumarchaeota;o\_Cenarchaeales  
k\_Archaea\_p\_Crenarchaeota;c\_Thaumarchaeota;o\_Nitrososphaerales  
k\_Archaea\_p\_Euryarchaeota;c\_Methanobacteria;o\_Methanobacteriales  
k\_Archaea\_p\_Euryarchaeota;c\_Methanobacteria;o\_Methanocellales  
k\_Archaea\_p\_Euryarchaeota;c\_Methanomicrobia;o\_Methanomicrobiales  
k\_Archaea\_p\_Euryarchaeota;c\_Methanomicrobia;o\_Methanosarcinales  
k\_Archaea\_p\_Euryarchaeota;c\_Thermoplasmata;o\_E2  
k\_Archaea\_p\_[Parvarchaeota];c\_[Micrarchaeo];c\_[Mcrarchaeales]  
k\_Archaea\_p\_[Parvarchaeota];c\_[Parvarchaeo];c\_YLA114  
k\_Bacteria;p\_c;o  
k\_Bacteria;p\_AC1;c\_o  
k\_Bacteria;p\_AD3;c\_AB56;o  
k\_Bacteria;p\_AD3;c\_JG37-AG-4;o  
k\_Bacteria;p\_Acidobacteria;c\_o  
k\_Bacteria;p\_Acidobacteria;c\_AT-s54;o  
k\_Bacteria;p\_Acidobacteria;c\_Acidobacteria-5;o  
k\_Bacteria;p\_Acidobacteria;c\_Acidobacteria-6;o  
k\_Bacteria;p\_Acidobacteria;c\_Acidobacteria-6;o\_BPC015  
k\_Bacteria;p\_Acidobacteria;c\_Acidobacteria-6;o\_CCU21  
k\_Bacteria;p\_Acidobacteria;c\_Acidobacteria-6;o\_iii-15  
k\_Bacteria;p\_Acidobacteria;c\_Acidobacteria;o\_Acidobacteriales  
k\_Bacteria;p\_Acidobacteria;c\_BPC102;o  
k\_Bacteria;p\_Acidobacteria;c\_BPC102;o\_B110  
k\_Bacteria;p\_Acidobacteria;c\_BPC102;o\_MV5-40  
k\_Bacteria;p\_Acidobacteria;c\_DAD52;o\_Elin7246  
k\_Bacteria;p\_Acidobacteria;c\_EC1113;o  
k\_Bacteria;p\_Acidobacteria;c\_GAI08;o  
k\_Bacteria;p\_Acidobacteria;c\_Holophagae;o\_Holophagales  
k\_Bacteria;p\_Acidobacteria;c\_PAUC377;o  
k\_Bacteria;p\_Acidobacteria;c\_RB25;o  
k\_Bacteria;p\_Acidobacteria;c\_S035;o  
k\_Bacteria;p\_Acidobacteria;c\_Solibacteres;o\_Solibacteriales  
k\_Bacteria;p\_Acidobacteria;c\_Sva0725;o\_Sva0725  
k\_Bacteria;p\_Acidobacteria;c\_TM1;o  
k\_Bacteria;p\_Acidobacteria;c\_[Chloracidobacteria];o  
k\_Bacteria;p\_Acidobacteria;c\_[Chloracidobacteria];o\_11-24  
k\_Bacteria;p\_Acidobacteria;c\_[Chloracidobacteria];o\_DS-100  
k\_Bacteria;p\_Acidobacteria;c\_[Chloracidobacteria];o\_Elin7246  
k\_Bacteria;p\_Acidobacteria;c\_[Chloracidobacteria];o\_Pk29  
k\_Bacteria;p\_Acidobacteria;c\_[Chloracidobacteria];o\_RB41  
k\_Bacteria;p\_Acidobacteria;c\_iii1-8;o  
k\_Bacteria;p\_Acidobacteria;c\_iii1-8;o\_32-20  
k\_Bacteria;p\_Acidobacteria;c\_iii1-8;o\_DS-18  
k\_Bacteria;p\_Acidobacteria;c\_iii1-8;o\_SJA-36  
k\_Bacteria;p\_Actinobacteria;c\_Acidimicrobia;o\_Acidimicrobiales  
k\_Bacteria;p\_Actinobacteria;c\_Actinobacteria;o  
k\_Bacteria;p\_Actinobacteria;c\_Actinobacteria;o\_Actinomycetales  
k\_Bacteria;p\_Actinobacteria;c\_Actinobacteria;o\_Bifidobacteriales  
k\_Bacteria;p\_Actinobacteria;c\_Actinobacteria;o\_Micrococcales  
k\_Bacteria;p\_Actinobacteria;c\_Coriobacteria;o\_Coriobacteriales  
k\_Bacteria;p\_Actinobacteria;c\_MB-A2-108;o  
k\_Bacteria;p\_Actinobacteria;c\_MB-A2-108;o\_0319-7L14  
k\_Bacteria;p\_Actinobacteria;c\_Nitrospirae;o\_Euzebyales  
k\_Bacteria;p\_Actinobacteria;c\_OPB41;o  
k\_Bacteria;p\_Actinobacteria;c\_Rubrobacteria;o\_Rubrobacteriales  
k\_Bacteria;p\_Actinobacteria;c\_Thermoleophilae;o  
k\_Bacteria;p\_Actinobacteria;c\_Thermoleophilae;o\_Gailliales  
k\_Bacteria;p\_Actinobacteria;c\_Thermoleophilae;o\_Solirubrobacteriales  
k\_Bacteria;p\_Armatimonadetes;c\_o  
k\_Bacteria;p\_Armatimonadetes;c\_0319-6E2;o  
k\_Bacteria;p\_Armatimonadetes;c\_Armatimonadetes;o\_Armatimonadales  
k\_Bacteria;p\_Armatimonadetes;c\_Armatimonadetes;o\_FW68  
k\_Bacteria;p\_Armatimonadetes;c\_Chtthonomonadetes;o\_Chtthonomonadales  
k\_Bacteria;p\_Armatimonadetes;c\_Chtthonomonadetes;o\_SJA-22  
k\_Bacteria;p\_Armatimonadetes;c\_OPB50;o  
k\_Bacteria;p\_Armatimonadetes;c\_SHA-37;o  
k\_Bacteria;p\_Armatimonadetes;c\_SJA-176;o  
k\_Bacteria;p\_Armatimonadetes;c\_SJA-176;o\_GAB-806  
k\_Bacteria;p\_Armatimonadetes;c\_SJA-176;o\_RB046  
k\_Bacteria;p\_Armatimonadetes;c\_SJA-176;o\_TP122  
k\_Bacteria;p\_Armatimonadetes;c\_[Fimbrimonadia];o  
k\_Bacteria;p\_Armatimonadetes;c\_[Fimbrimonadia];o\_[Fimbrimonadales]  
k\_Bacteria;p\_BH180-139;c\_o  
k\_Bacteria;p\_BR1C1;c\_PRR-11;o  
k\_Bacteria;p\_Bacteroidetes;c\_A120cB3;o  
k\_Bacteria;p\_Bacteroidetes;c\_BME43;o  
k\_Bacteria;p\_Bacteroidetes;c\_Bacteroidia;o\_Bacteroidales  
k\_Bacteria;p\_Bacteroidetes;c\_Cytophagae;o\_Cytophagales  
k\_Bacteria;p\_Bacteroidetes;c\_Flavobacteria;o\_Flavobacteriales  
k\_Bacteria;p\_Bacteroidetes;c\_Sphingobacteria;o\_Sphingobacteriales  
k\_Bacteria;p\_Bacteroidetes;c\_VC2\_1\_Bac22;o  
k\_Bacteria;p\_Bacteroidetes;c\_[Rhodothermi];o\_[Rhodothermales]  
k\_Bacteria;p\_Bacteroidetes;c\_[Saprospirae];o\_[Saprospirales]  
k\_Bacteria;p\_Chlamydiae;c\_Chlamydia;o\_Chlamydiales  
k\_Bacteria;p\_Chlorobi;c\_o  
k\_Bacteria;p\_Chlorobi;c\_BS26;o\_A89  
k\_Bacteria;p\_Chlorobi;c\_BS26;o\_PK329  
k\_Bacteria;p\_Chlorobi;c\_Ignavibacteria;o\_Ignavibacteriales  
k\_Bacteria;p\_Chlorobi;c\_OPB56;o  
k\_Bacteria;p\_Chlorobi;c\_SJA-28;o  
k\_Bacteria;p\_Chloroflexi;c\_o  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o\_A31  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o\_Anaerolineales  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o\_CFB-26  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o\_Caldineales  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o\_DRC31  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o\_GCA004  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o\_H39  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o\_S0208  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o\_SBR1031  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o\_SHA-20  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o\_SJA-15  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o\_WCHB1-50  
k\_Bacteria;p\_Chloroflexi;c\_Anaerolineae;o\_envOPS12  
k\_Bacteria;p\_Chloroflexi;c\_C0119;o  
k\_Bacteria;p\_Chloroflexi;c\_Chloroflexi;o\_AKIW781  
k\_Bacteria;p\_Chloroflexi;c\_Chloroflexi;o\_Chloroflexales  
k\_Bacteria;p\_Chloroflexi;c\_Chloroflexi;o\_Herpetosiphonales  
k\_Bacteria;p\_Chloroflexi;c\_Chloroflexi;o\_[Roseiflexales]  
k\_Bacteria;p\_Chloroflexi;c\_Elin6529;o  
k\_Bacteria;p\_Chloroflexi;c\_Gitt-GS-136;o  
k\_Bacteria;p\_Chloroflexi;c\_Ktedonobacteria;o\_B12-WMS1  
k\_Bacteria;p\_Chloroflexi;c\_Ktedonobacteria;o\_Elev-1554  
k\_Bacteria;p\_Chloroflexi;c\_Ktedonobacteria;o\_JG30-KF-459  
k\_Bacteria;p\_Chloroflexi;c\_Ktedonobacteria;o\_Ktedonobacteriales  
k\_Bacteria;p\_Chloroflexi;c\_Ktedonobacteria;o\_TK10  
k\_Bacteria;p\_Chloroflexi;c\_Ktedonobacteria;o\_Thermogemmatissporales  
k\_Bacteria;p\_Chloroflexi;c\_P2-11E;o  
k\_Bacteria;p\_Chloroflexi;c\_S085;o  
k\_Bacteria;p\_Chloroflexi;c\_SAR202;o  
k\_Bacteria;p\_Chloroflexi;c\_SHA-26;o  
k\_Bacteria;p\_Chloroflexi;c\_TK10;o  
k\_Bacteria;p\_Chloroflexi;c\_TK10;o\_AKYG885  
k\_Bacteria;p\_Chloroflexi;c\_TK10;o\_B07-WMS1  
k\_Bacteria;p\_Chloroflexi;c\_TK17;o  
k\_Bacteria;p\_Chloroflexi;c\_TK17;o\_mle1-48  
k\_Bacteria;p\_Chloroflexi;c\_Thermomicrobia;o  
k\_Bacteria;p\_Chloroflexi;c\_Thermomicrobia;o\_AKYG1722  
k\_Bacteria;p\_Chloroflexi;c\_Thermomicrobia;o\_Elin6537  
k\_Bacteria;p\_Chloroflexi;c\_Thermomicrobia;o\_JG30-KF-CM45  
k\_Bacteria;p\_Chloroflexi;c\_Thermomicrobia;o\_Sphaerobacteriales  
k\_Bacteria;p\_Cyanobacteria;c\_o  
k\_Bacteria;p\_Cyanobacteria;c\_4C0d-2;o\_MLE1-12  
k\_Bacteria;p\_Cyanobacteria;c\_4C0d-2;o\_SMD1D11  
k\_Bacteria;p\_Cyanobacteria;c\_Chloroplasto\_Chlorophyta  
k\_Bacteria;p\_Cyanobacteria;c\_Chloroplasto\_Stramenopiles  
k\_Bacteria;p\_Cyanobacteria;c\_Chloroplasto\_Streptophyta  
k\_Bacteria;p\_Cyanobacteria;c\_ML635j-21;o  
k\_Bacteria;p\_Cyanobacteria;c\_Nostocophycideae;o\_Nostocales  
k\_Bacteria;p\_Cyanobacteria;c\_Oscillatorophycideae;o\_Oscillatoriales  
k\_Bacteria;p\_Cyanobacteria;c\_Synechococcophycideae;o\_Pseudanabaenales  
k\_Bacteria;p\_Cyanobacteria;c\_Synechococcophycideae;o\_Synechococcales  
k\_Bacteria;p\_Elusimicrobia;c\_Elusimicrobia;o\_FAC88  
k\_Bacteria;p\_Elusimicrobia;c\_Elusimicrobia;o\_IL6  
k\_Bacteria;p\_Elusimicrobia;c\_Elusimicrobia;o\_MVP-88  
k\_Bacteria;p\_Elusimicrobia;c\_Endomicrobia;o  
k\_Bacteria;p\_FBP;c\_o  
k\_Bacteria;p\_FCU426;c\_o  
k\_Bacteria;p\_Fibrobacteres;c\_Fibrobacteria;o\_258ds10  
k\_Bacteria;p\_Fibrobacteres;c\_TG3;o\_TG3-1  
k\_Bacteria;p\_Firmicutes;c\_Bacillo\_o\_Bacillales  
k\_Bacteria;p\_Firmicutes;c\_Bacillo\_o\_Gemellales  
k\_Bacteria;p\_Firmicutes;c\_Bacillo\_o\_Holopsamatales  
k\_Bacteria;p\_Firmicutes;c\_Bacillo\_o\_Lactobacillales  
k\_Bacteria;p\_Firmicutes;c\_Clostridia;o  
k\_Bacteria;p\_Firmicutes;c\_Clostridia;o\_BSA2B-08  
k\_Bacteria;p\_Firmicutes;c\_Clostridia;o\_Clostridiales  
k\_Bacteria;p\_Firmicutes;c\_Clostridia;o\_Halanaerobiales  
k\_Bacteria;p\_Firmicutes;c\_Clostridia;o\_MBA08  
k\_Bacteria;p\_Firmicutes;c\_Clostridia;o\_Natranaerobiales  
k\_Bacteria;p\_Firmicutes;c\_Clostridia;o\_OPB54  
k\_Bacteria;p\_Firmicutes;c\_Clostridia;o\_SHA-98  
k\_Bacteria;p\_Firmicutes;c\_Clostridia;o\_Thermoanaerobacteriales  
k\_Bacteria;p\_Firmicutes;c\_Erysipelotrichi\_o\_Erysipelotrichales  
k\_Bacteria;p\_Fusobacteria;c\_Fusobacteria;o\_Fusobacteriales  
k\_Bacteria;p\_GAL15;c\_o  
k\_Bacteria;p\_GN02;c\_BD1-5;o  
k\_Bacteria;p\_GN02;c\_GK52-174;o  
k\_Bacteria;p\_GN02;c\_GN07;o  
k\_Bacteria;p\_GN04;c\_o  
k\_Bacteria;p\_GN04;c\_GN15;o  
k\_Bacteria;p\_GOUT4;c\_o  
k\_Bacteria;p\_Gemmatimonadetes;c\_o  
k\_Bacteria;p\_Gemmatimonadetes;c\_Gemm-1;o  
k\_Bacteria;p\_Gemmatimonadetes;c\_Gemm-2;o  
k\_Bacteria;p\_Gemmatimonadetes;c\_Gemm-3;o  
k\_Bacteria;p\_Gemmatimonadetes;c\_Gemm-5;o  
k\_Bacteria;p\_Gemmatimonadetes;c\_Gemmatimonadetes;o  
k\_Bacteria;p\_Gemmatimonadetes;c\_Gemmatimonadetes;o\_C114  
k\_Bacteria;p\_Gemmatimonadetes;c\_Gemmatimonadetes;o\_Elin5290  
k\_Bacteria;p\_Gemmatimonadetes;c\_Gemmatimonadetes;o\_Gemmatimonadales  
k\_Bacteria;p\_Gemmatimonadetes;c\_Gemmatimonadetes;o\_KD8-87  
k\_Bacteria;p\_Gemmatimonadetes;c\_Gemmatimonadetes;o\_N1423WL  
k\_Bacteria;p\_Kazan-3B-28;c\_o  
k\_Bacteria;p\_Lentisphaerae;c\_[Lentisphaeria];o\_Victivallales  
k\_Bacteria;p\_MVP-21;c\_o  
k\_Bacteria;p\_NC10;c\_12-24;o  
k\_Bacteria;p\_NC10;c\_12-24;o\_MIZ17  
k\_Bacteria;p\_NKB19;c\_o  
k\_Bacteria;p\_NKB19;c\_TSBW08;o  
k\_Bacteria;p\_Nitrospirae;c\_Nitrospirae;o\_Nitrospirales  
k\_Bacteria;p\_OD1;c\_o  
k\_Bacteria;p\_OD1;c\_ABY1;o  
k\_Bacteria;p\_OD1;c\_MB-NB09;o  
k\_Bacteria;p\_OD1;c\_SM2F11;o  
k\_Bacteria;p\_OD1;c\_ZB2;o  
k\_Bacteria;p\_OP11;c\_o  
k\_Bacteria;p\_OP11;c\_OP11-3;o  
k\_Bacteria;p\_OP11;c\_OP11-4;o  
k\_Bacteria;p\_OP11;c\_WCHB1-64;o  
k\_Bacteria;p\_OP11;c\_WCHB1-64;o\_d153  
k\_Bacteria;p\_OP3;c\_PB5-25;o  
k\_Bacteria;p\_OP3;c\_kol11;o  
k\_Bacteria;p\_OP3;c\_kol11;o\_GIF10  
k\_Bacteria;p\_OP8;c\_OP8-1;o\_SHA-124  
k\_Bacteria;p\_PAUC34f;c\_o  
k\_Bacteria;p\_Plantomycetes;c\_o  
k\_Bacteria;p\_Plantomycetes;c\_02BH05-P-BN-P5;o  
k\_Bacteria;p\_Plantomycetes;c\_BD7-11;o  
k\_Bacteria;p\_Plantomycetes;c\_C6;o\_MV5-107  
k\_Bacteria;p\_Plantomycetes;c\_C6;o\_d113  
k\_Bacteria;p\_Plantomycetes;c\_OM190;o  
k\_Bacteria;p\_Plantomycetes;c\_OM190;o\_CL500-15  
k\_Bacteria;p\_Plantomycetes;c\_OM190;o\_ags27  
k\_Bacteria;p\_Plantomycetes;c\_Phycisphaerae;o\_CCM11a  
k\_Bacteria;p\_Plantomycetes;c\_Phycisphaerae;o\_CP9-3  
k\_Bacteria;p\_Plantomycetes;c\_Phycisphaerae;o\_MSB19  
k\_Bacteria;p\_Plantomycetes;c\_Phycisphaerae;o\_Phycisphaerales  
k\_Bacteria;p\_Plantomycetes;c\_Phycisphaerae;o\_Pla1  
k\_Bacteria;p\_Plantomycetes;c\_Phycisphaerae;o\_S-70  
k\_Bacteria;p\_Plantomycetes;c\_Phycisphaerae;o\_WD2101  
k\_Bacteria;p\_Plantomycetes;c\_Phycisphaerae;o\_mle1-8  
k\_Bacteria;p\_Plantomycetes;c\_Pla3;o  
k\_Bacteria;p\_Plantomycetes;c\_Pla4;o  
k\_Bacteria;p\_Plantomycetes;c\_Plantomycetia;o\_B97  
k\_Bacteria;p\_Plantomycetes;c\_Plantomycetia;o\_Bermatales  
k\_Bacteria;p\_Plantomycetes;c\_Plantomycetia;o\_Pirelomyetales  
k\_Bacteria;p\_Plantomycetes;c\_vadinHA49;o\_DH61  
k\_Bacteria;p\_Plantomycetes;c\_vadinHA49;o\_PHOS-H93  
k\_Bacteria;p\_Plantomycetes;c\_vadinHA49;o\_p04-C01  
k\_Bacteria;p\_Proteobacteria;c\_o  
k\_Bacteria;p\_Proteobacteria;c\_Alphaproteobacteria;o  
k\_Bacteria;p\_Proteobacteria;c\_Alphaproteobacteria;o\_BD7-3  
k\_Bacteria;p\_Proteobacteria;c\_Alphaproteobacteria;o\_Caulobacteriales  
k\_Bacteria;p\_Proteobacteria;c\_Alphaproteobacteria;o\_Elin329  
k\_Bacteria;p\_Proteobacteria;c\_Alphaproteobacteria;o\_Kiloniellales  
k\_Bacteria;p\_Proteobacteria;c\_Alphaproteobacteria;o\_Rhizobiales  
k\_Bacteria;p\_Proteobacteria;c\_Alphaproteobacteria;o\_Rhodobacteriales  
k\_Bacteria;p\_Proteobacteria;c\_Alphaproteobacteria;o\_Rhodospirillales  
k\_Bacteria;p\_Proteobacteria;c\_Alphaproteobacteria;o\_Rickettsiales  
k\_Bacteria;p\_Proteobacteria;c\_Alphaproteobacteria;o\_Sphingomonadales  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_A21b  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_Burkholderiales  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_Elin6067  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_Gallionellales  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_Hydrogenophiales  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_JS-44  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_MKC10  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_MMD1  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_Methylotrophiales  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_Neisseriales  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_Nitrosomonadales  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_Procambacteriales  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_Rhodocyclales  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_SB14  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_Sci-84  
k\_Bacteria;p\_Proteobacteria;c\_Betaproteobacteria;o\_Sciobacteriales  
k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria;o  
k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria;o\_Bdellovibrionales  
k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria;o\_Desulfovibrionales  
k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria;o\_Desulfobacteriales  
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k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria;o\_Desulfurimonadales  
k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria;o\_FACB7  
k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria;o\_MBN115  
k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria;o\_Miz46  
k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria;o\_Myxococcales  
k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria;o\_NB1-1  
k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria;o\_PB19  
k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria;o\_Spirobacillales  
k\_Bacteria;p\_Proteobacteria;c\_Deltaproteobacteria;o\_Syntrophobacteriales  
k\_Bacteria;p\_Proteobacteria;c\_Epsilonproteobacteria;o\_Methylobacteriales  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_34P16  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_Acidithiobacillales  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_Aeromonadales  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_Ateromonadales  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_Chromatiales  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_Enterobacteriales  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_HDC36  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_HTC2188  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_Legionellales  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_Methylococcales  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_Methylospirillales  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_PRR10d3  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_Pseudomonadales  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_Vibrionales  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_Xanthomonadales  
k\_Bacteria;p\_Proteobacteria;c\_Gammaproteobacteria;o\_[Marinicellales]  
k\_Bacteria;p\_Proteobacteria;c\_TA18;o\_CV90  
k\_Bacteria;p\_Proteobacteria;c\_TA18;o\_PHOS-HD29  
k\_Bacteria;p\_SBR1093;c\_o  
k\_Bacteria;p\_SBR1093;c\_VHS-B5-50;o  
k\_Bacteria;p\_SR1;c\_o  
k\_Bacteria;p\_Spirochaetes;c\_Spirochaetes;o\_Spirochaetales  
k\_Bacteria;p\_Spirochaetes;c\_Spirochaetes;o\_[Borreliales]  
k\_Bacteria;p\_Spirochaetes;c\_[Spirospirae];o\_[Leptospirales]  
k\_Bacteria;p\_TM6;c\_o  
k\_Bacteria;p\_TM6;c\_SBRH58;o  
k\_Bacteria;p\_TM6;c\_SJA-4;o  
k\_Bacteria;p\_TM6;c\_SJA-4;o\_S1198  
k\_Bacteria;p\_TM6;c\_SJA-4;o\_YF2-48  
k\_Bacteria;p\_TM7;c\_o  
k\_Bacteria;p\_TM7;c\_MJK10;o  
k\_Bacteria;p\_TM7;c\_SC3;o  
k\_Bacteria;p\_TM7;c\_TM71-1;o  
k\_Bacteria;p\_TM7;c\_TM73;o  
k\_Bacteria;p\_Tenericutes;c\_Mollicutes;o  
k\_Bacteria;p\_Tenericutes;c\_Mollicutes;o\_Anaeroplasmatales  
k\_Bacteria;p\_Tenericutes;c\_Mollicutes;o\_Mycoplasmatales  
k\_Bacteria;p\_Tenericutes;c\_Mollicutes;o\_RF39  
k\_Bacteria;p\_Tenericutes;c\_RF39;o\_ML615j-28  
k\_Bacteria;p\_Verrucomicrobia;c\_o  
k\_Bacteria;p\_Verrucomicrobia;c\_Opitutae;o  
k\_Bacteria;p\_Verrucomicrobia;c\_Opitutae;o\_Opitutales  
k\_Bacteria;p\_Verrucomicrobia;c\_Verruco-5;o\_LCHB1-41  
k\_Bacteria;p\_Verrucomicrobia;c\_Verruco-5;o\_WD103  
k\_Bacteria;p\_Verrucomicrobia;c\_Verrucomicrobia;o\_Verrucomicrobiales  
k\_Bacteria;p\_Verrucomicrobia;c\_[Methylacidiphilae];o\_Methylacidiphilales  
k\_Bacteria;p\_Verrucomicrobia;c\_[Methylacidiphilae];o\_S-BQ2-57  
k\_Bacteria;p\_Verrucomicrobia;c\_[Pedosphaerae];o\_[Pedosphaerales]  
k\_Bacteria;p\_WPS-2;c\_o  
k\_Bacteria;p\_WS1;c\_o  
k\_Bacteria;p\_WS2;c\_SHA-109;o  
k\_Bacteria;p\_WS3;c\_PRR-12;o  
k\_Bacteria;p\_WS3;c\_PRR-12;o\_LD1-PA13  
k\_Bacteria;p\_WS3;c\_PRR-12;o\_Sediment-1  
k\_Bacteria;p\_WS3;c\_PRR-12;o\_wb1\_H11  
k\_Bacteria;p\_WS4;c\_o  
k\_Bacteria;p\_WS4;c\_o  
k\_Bacteria;p\_Thermi;c\_Deinococcio\_Deinococcales