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Acinetobacter (Proteobacteria)  
Aerococcus (Firmicutes)  
Albimonas (Proteobacteria)  
Aliifodiniibius (Bacteroidetes)  
Alkaliflexus (Bacteroidetes)  
Allorfrancisella (Proteobacteria)  
Anaerobranca (Firmicutes)  
Anaerosalibacter (Firmicutes)  
Aquicella (Proteobacteria)  
Bacillus (Firmicutes)  
bacterium YC-ZSS-LKJ186 (Aegiribacteria)  
Bdellovibrio (Proteobacteria)  
Blastopirellula (Planctomycetes)  
Brevinema (Spirochaetes)  
Brochothrix (Firmicutes)  
Candidatus (Paenicardinium (Bacteroidetes)  
Candidatus Endoecteinascidia (Proteobacteria)  
Candidatus Endomicrobium (Elusimicrobia)  
Candidatus Fritschea (Chlamydiae)  
Candidatus Megaira (Proteobacteria)  
Candidatus Melainabacteria bacterium RIFOXYA2\_FULLL\_32\_9 (Cyanobacteria)  
Candidatus Phytoplasma (Tenericutes)  
Carboxydocella (Firmicutes)  
Cerasiococcus (Verrucomicrobia)  
Chloroflexi bacterium RBG\_13\_46\_14 (Chloroflexi)  
Clostridiales bacterium PH28\_bin88 (Chloroflexi)  
Clostridialibacter (Firmicutes)  
Clostridium sensu stricto 7 (Firmicutes)  
Defluvitalea (Firmicutes)  
Defluvitaleaceae UCG-011 (Firmicutes)  
Dehalobium (Chloroflexi)  
Desulfocella (Proteobacteria)  
Desulfonatronovibrio (Proteobacteria)  
Desulfuribacillus (Firmicutes)  
Enterococcus (Firmicutes)  
Escherichia coli (Proteobacteria)  
Estrella (Chlamydiae)  
FFCH7168 (Chloroflexi)  
Fodinicurvata (Proteobacteria)  
Francisella (Proteobacteria)  
Garcicella (Firmicutes)  
Geilarsinema FCC-7105 (Cyanobacteria)  
Halarsenatibacter (Halanaerobiaeota)  
Haliea (Proteobacteria)  
Halonatronum (Halanaerobiaeota)  
Holospora (Proteobacteria)  
Hydrogenispora (Firmicutes)  
Lachnospiraceae NK3A20\_group (Firmicutes)  
Legionella (Proteobacteria)  
Leptococcus JA-3-3Ab (Cyanobacteria)  
Leuconostoc (Firmicutes)  
Lewinella (Bacteroidetes)  
Litoricola (Proteobacteria)  
Lutispora (Firmicutes)  
MAT-CR-P4-C12 (Bacteroidetes)  
Mellioribacter (Bacteroidetes)  
Modestobacter (Actinobacteria)  
MSL3 (Kiritimatiella)  
Neochlamydia (Chlamydiae)  
Nitrolancea (Chloroflexi)  
Ohtaekwangia (Bacteroidetes)  
Oscillatoria PCC-6304 (Cyanobacteria)  
Paenibacillus (Firmicutes)  
Parcubacteria group bacterium GW2011\_GWF2\_45\_11 (Patescibacteria)  
Phaselicystis (Proteobacteria)  
Planktosalinus (Bacteroidetes)  
Prevotella 1 (Bacteroidetes)  
Prevotella 7 (Bacteroidetes)  
Prevotellaceae UCG-003 (Bacteroidetes)  
Pseudobacteriovorax (Proteobacteria)

Pseudobacteroides (Firmicutes)  
Pseudohongiella (Proteobacteria)  
Pseudomonas (Proteobacteria)  
Psychrobacter (Proteobacteria)  
Psychroflexus (Bacteroidetes)  
Rhodococcus (Actinobacteria)  
Rhodopirellula (Planctomycetes)  
Rikenellaceae RC9\_gut\_group (Bacteroidetes)  
Roseiflexus (Chloroflexi)  
Roseimarinus (Bacteroidetes)  
Roseobacter clade CHAB-1-5 lineage (Proteobacteria)  
Rubellimicrobium (Proteobacteria)  
Rubrobacter (Actinobacteria)  
Ruminiclostridium 1 (Firmicutes)  
Ruminococcaceae NK4A214\_group (Firmicutes)  
Ruminococcaceae UCG-013 (Firmicutes)  
Ruminococcaceae UCG-014 (Firmicutes)  
Salinisphaera (Proteobacteria)  
Salipaludibacillus (Firmicutes)  
Salisediminibacterium (Firmicutes)  
SEEP-SRB1 (Proteobacteria)  
Silvanigrella (Proteobacteria)  
ST-3K26 (Bacteroidetes)  
Streptomyces (Actinobacteria)  
Sulfurimonas (Epsilonbacteraeota)  
Taseokella (Bacteroidetes)  
Thalassospira (Proteobacteria)  
Thermovirga (Synergistetes)  
Thermus (Deinococcus-Thermus)  
Tistrella (Proteobacteria)  
Veillonella (Firmicutes)  
Wenzhouxiangella (Proteobacteria)  
Wohlfahrtimonas (Proteobacteria)  
Geotoga (Thermotogae)  
bacterium enrichment culture clone E23 (Cloacimonetes)  
Marinococcus (Firmicutes)  
Acholeplasma (Tenericutes)  
Salinispira (Spirochaetes)  
Salinivibrio (Proteobacteria)  
Chitinivibrio (Firmicutes)  
F1-37X2 (Bacteroidetes)  
Pontibacter (Bacteroidetes)  
ESFC-11 (Cyanobacteria)  
Ficitibacillus (Firmicutes)  
Anaerolinea (Chloroflexi)  
Fusibacter (Firmicutes)  
Caenispirillum (Proteobacteria)  
Sodalis (Proteobacteria)  
Halofilum (Proteobacteria)  
Desulfufustus (Proteobacteria)  
Punicococcus (Verrucomicrobia)  
Alkaliphilus (Firmicutes)  
Rubrivirga (Bacteroidetes)  
Candidatus Melainabacteria bacterium GWA2\_34\_9 (Cyanobacteria)  
Desulfotomaculum (Firmicutes)  
Oscillochloans (Chloroflexi)  
Halochromatium (Proteobacteria)  
Thiohalorhabdus (Proteobacteria)  
Cesiribacter (Bacteroidetes)  
Izimaplasma (Tenericutes)  
IheB3-7 (Bacteroidetes)  
Brachyspira (Spirochaetes)  
Pseudokineococcus (Actinobacteria)  
bacterium YC-ZSS-LKJ145 (Chloroflexi)  
SBZC-1223 (Lentisphaerae)  
Peredibacter (Proteobacteria)  
Desulfonauticus (Proteobacteria)  
Marinobacter (Proteobacteria)  
Dehalobacter (Firmicutes)  
GWE2-31-10 (Spirochaetes)

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Marivita (Proteobacteria)  
Ruminiclostridium (Firmicutes)  
Chloronema (Chloroflexi)  
Candidatus Alysiosphaera (Proteobacteria)  
Desulfotignum (Proteobacteria)  
Longimonas (Bacteroidetes)  
Phaeodactylibacter (Bacteroidetes)  
Methylbacterium (Proteobacteria)  
Candidatus Latescibacter (Latescibacteria)  
Salinibacter (Bacteroidetes)  
Oweniweeksia (Bacteroidetes)  
Thormidium MSJ-10003 (Cyanobacteria)  
Halopeptonella (Proteobacteria)  
Natronincola (Firmicutes)  
Desulfatigians (Proteobacteria)  
Parvularcula (Proteobacteria)  
Rapidithrix (Bacteroidetes)  
Deltaproteobacteria bacterium RIFOXYB12\_FULLL\_58\_9 (Proteobacteria)  
Pelagicoccus (Verrucomicrobia)  
Microgenomates group bacterium RIFCSPLOWO2\_01\_FULLL\_47\_10 (Patescibacteria)  
Desulfonatronum (Proteobacteria)  
Lentimonas (Verrucomicrobia)  
Orenia (Halanaerobiaeota)  
Thiomicrospira (Proteobacteria)  
Alterococcus (Verrucomicrobia)  
Roseibaca (Proteobacteria)  
Caminicella (Firmicutes)  
Dethiobacter (Firmicutes)  
SM1A02 (Planctomycetes)  
Natranaerobius (Firmicutes)  
Halorhodospira (Proteobacteria)  
Peptoniphilus (Firmicutes)  
Halocella (Halanaerobiaeota)  
Desulfosalsimonas (Proteobacteria)  
Truopera (Deinococcus-Thermus)  
Dethiobacter (Firmicutes)  
Ruminococcaceae UCG-012 (Firmicutes)  
Haloplasma (Tenericutes)  
SC103 (Thermotogae)  
Planctomycetales bacterium Elin7244 (Planctomycetes)  
Halothiobacillus (Proteobacteria)  
Gracilimonas (Bacteroidetes)  
Cyanoflagella xyantolytica group (Bacteroidetes)  
Alkalibacterium (Firmicutes)  
Rhodovulum (Proteobacteria)  
Cryomorpha (Bacteroidetes)  
Candidatus (Amoebophilus (Bacteroidetes)  
Verruc-01 (Verrucomicrobia)  
Urania-1B-19 marine sediment group (Planctomycetes)  
Rubribacterium (Proteobacteria)  
Algoriphagus (Bacteroidetes)  
Desulfitibacter (Firmicutes)  
bacterium YC-ZSS-LKJ74 (Chloroflexi)  
Roseivivax (Proteobacteria)  
CENA518 (Cyanobacteria)  
Sandaracinus (Proteobacteria)  
Flavobacterium (Bacteroidetes)  
Aduro Bin 120 (Chloroflexi)  
OM27 clade (Proteobacteria)  
Candidatus Chlorothrix (Chloroflexi)  
Desulfovibrio (Proteobacteria)  
Algisphaera (Planctomycetes)  
Halomonas (Proteobacteria)  
ML310M-34 (Bacteroidetes)  
Oceanicaulis (Proteobacteria)  
Phycisphaera (Planctomycetes)  
Blvii28 wastewater-sludge group (Bacteroidetes)  
Rhodohalobacter (Bacteroidetes)  
Dactylococcopsis PCC-8305 (Cyanobacteria)  
Alkalispirochaeta (Spirochaetes)

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