

	Bacteroidetes-SB-1	Firmicutes-Mycoplasmataceae Proteobacteria-Nordella Verrucomicrobia-Punicelococcaceae Firmicutes-Paenibacillaceae Bacteroidetes-Chitinophagaceae Proteobacteria-Alcaligenaceae Firmicutes-Lachnospiraceae Proteobacteria-Methyllobacteriaceae Bacteroidetes-Rhodothermaceae Aquificae-Aquificaceae Proteobacteria-Granulosiccoccaceae Proteobacteria-Anaplasmataceae Firmicutes-Planococcaceae Bacteroidetes-Prolixibacter Proteobacteria-Sinobacteraceae Chrysiogenetes-Chrysiogonaceae Proteobacteria-TJ1 Proteobacteria-Hyphomonadaceae Proteobacteria-Bradyrhizobiaceae Proteobacteria-MN_122.2a	Firmicutes-Leuconostocaceae Proteobacteria-Fangia Firmicutes-Streptococcaceae Thermodesulfobactera-Thermodesulfobacteriales Bacteroidetes-PeH15 Proteobacteria-Hydrogenophilaceae Proteobacteria-CHAB-XI-27 Proteobacteria-Ectothiorhodospiraceae Chloroflexi-Anaerolineaceae Deinococcus-Thermus-Truperia Fusobacteria-Leptotrichaceae NPL_UPA2-unclassified Acidobacteria-unclassified Cyanobacteria-unclassified Spirochaetes-Leptospiaceae Proteobacteria-Holosporaceae Proteobacteria-Aurantimonadaceae Firmicutes-PeH36 Proteobacteria-Sorangilineae Firmicutes-Family_XIII_Incertae_Sedis Proteobacteria-LWSR-14 Proteobacteria-Desulfatohalobiaceae Proteobacteria-unclassified Fusobacteria-Fusobacteriaceae Firmicutes-Thermoanaerobacteraceae Proteobacteria-Bruceellaceae Proteobacteria-Fukui57 Proteobacteria-Entero bacteriaceae Proteobacteria-Desulfurimondaceae Firmicutes-Reptoseptococcaceae Proteobacteria-alpha cluster Proteobacteria-Pseudomnadaceae Actinobacteria-Acidimicrobiales Proteobacteria-Desulfomicrobiaceae Bacteroidetes-Rikenellaceae Bacteroidetes-Flavobacteriaceae Proteobacteria-Methylocystaceae Proteobacteria-Hypomicrobiaceae OP8-unclassified Spirochaetes-Brachyspiraceae Nitrosiprae-0319-6A2.1 Verrucomicrobia-unclassified Firmicutes-JTB215 Chlamydiace-Parachlamydiaceae Proteobacteria-0319-6G20 Lentisphaeria-Victvallaceae Firmicutes-Family_XII_Incertae_Sedis Bacteroidetes-p-2534-18B5 Firmicutes-Proteiniborus Proteobacteria-M20-Pilesti Firmicutes-Syntrophomonadaceae Cyanobacteria-Rivularia Firmicutes-Family_XIV_Incertae_Sedis Firmicutes-OPB54 Bacteroidetes-M2PB4-65 Firmicutes-Lactobacillaceae Chlamydiae-Sitamiaceae Proteobacteria-Synprochloracteraceae Proteobacteria-GS7-AG-15 Proteobacteria-Halonomadaceae Firmicutes-Eubacteriaceae Deinococcus-Thermus-Deinococcus Actinobacteria-Corriobacteriales Candidate_division_TG-1-unclassified Proteobacteria-Neuteliaceae Bacteroidetes-BS11 Proteobacteria-S24-7 Proteobacteria-KA1 Bacteroidetes-Porphyrinomnadaceae Bacteroidetes-KD1-131 Proteobacteria-Halotheobacillaceae Proteobacteria-Shineila_genera_incertae_sedis Candidate_division_TM6-unclassified Bacteroidetes-Cyclodactariaceae Deferrubiales-unclassified GOUTA4-unclassified Cyanobacteria-Calothrix Bacteroidetes-SB-5 Proteobacteria-Rhodobacteriaceae Acidobacteria-Acidobacteriaceae Firmicutes-Gracilbacteraceae Bacteroidetes-Saprospiraceae Proteobacteria-Geobacteraceae Proteobacteria-Acetabacteraceae Firmicutes-Reptococcaceae Chloroflexi-unclassified Bacteroidetes-Blattabacteriaceae Actinobacteria-Solitrubacteriales Proteobacteria-Campylobacteraceae Verrucomicrobia-Oplutaceae Proteobacteria-MNH4 Proteobacteria-Pseudoalteromonadaceae Proteobacteria-Candidatus_Ruthia Proteobacteria-Rhizobiaceae Proteobacteria-Nannocytiaceae Candidate_division_SR1-unclassified Proteobacteria-Neisseriaceae Proteobacteria-Methylococcaceae Proteobacteria-Ildiomadaceae Proteobacteria-Elimi6055 Proteobacteria-Candidatus_Liberbacter Bacteroidetes-Bacteroidaceae Proteobacteria-Gallionellaceae Proteobacteria-Rhodocyclaceae Proteobacteria-Oceanospirillaceae Bacteroidetes-RS-E47 Proteobacteria-Kordiimonadaceae Proteobacteria-Aeromonadaceae Firmicutes-unclassified Proteobacteria-Erythroacteraceae Proteobacteria-Bacteriovoraceae Proteobacteria-Beijerinckiacae Proteobacteria-Sphingomonadacea Proteobacteria-Caulobacteraceae Proteobacteria-Alteromonadaceae Proteobacteria-Xanthobacteraceae Candidate_division_OP10-unclassified Lentisphaeria-unclassified Proteobacteria-Helicobacteraceae Planctomyces-Physcisphaeraceae Verrucomicrobia-DEV007 Proteobacteria-Succinivibrionaceae Proteobacteria-Candidatus_Hepaticola Actinobacteria-Actinomycetales Firmicutes-uncultured Actinobacteria-Rubrobacteriales Proteobacteria-Ferromonadaceae Planctomyces-Planctomycetaceae Proteobacteria-Rhodobacteraceae Spirochaetes-unclassified Proteobacteria-Methylolphaceae Firmicutes-Allicyclobacillaceae Proteobacteria-Sewanellaceae Proteobacteria-Nitrosomonadaceae Firmicutes-Heliobacteriaceae Proteobacteria-Legionellaceae Bacteroidetes-Flammeovirgaceae Proteobacteria-Saccharosiphiliaceae Bacteroidetes-env_OPS_17 Acidobacteria-Holoplagraceae Bacteroidetes-unclassified Bacteroidetes-Prevotellaceae Firmicutes-Bacillus Proteobacteria-Chromatiaceae Firmicutes-Listeriaceae Bacteroidetes-NS9 Proteobacteria-Hahneliaceae Firmicutes-PeH08 Proteobacteria-Vibrionaceae Proteobacteria-SMZD12 Cyano bacteria-Chrococcidiopsis Firmicutes-Erysipelotrichaceae Proteobacteria-Xanthonomadaceae Proteobacteria-Desulfobacteraceae Proteobacteria-wr0007 Deinococcus-Thermus-Thermus Firmicutes-Aerococcaceae Firmicutes-Thermotomymycetaceae Proteobacteria-Phyllobacteriaceae Candidate_division_BRC1-unclassified Bacteroidetes-vadinHA21 Proteobacteria-Coxiellaceae Firmicutes-Enterococcaceae Proteobacteria-L-S4-241 Bacteroidetes-Cryomorphaceae Firmicutes-Staphylococcaceae Proteobacteria-Oleipliaceae Proteobacteria-Pasteurellaceae Firmicutes-Veillonellaceae Proteobacteria-Acetabacteriaceae Chlorobi-Chlorobiaceae Proteobacteria-Moraxellaceae Synergistetes-Synergistaceae Proteobacteria-Burkholderiaceae Proteobacteria-Cardiobacteriaceae Proteobacteria-Candidatus_Odysseia Bacteroidetes-Mariniellaceae Bacteroidetes-PHOS-HE51 Nitrosiprae-Nitrospraceae Bacteroidetes-WCHB1-32 Proteobacteria-Rhodospirillaceae Proteobacteria-Desulfonatracaceae Proteobacteria-Sphingomonadaceae Bacteroidetes-RF16 Bacteroidetes-Spingobacteriaceae Firmicutes-Family_XI_Incertae_Sedis Firmicutes-Haltanerobacteriaceae Bacteroidetes-Cytovirgaceae Bacteroidetes-BSY13 Actinobacteria-AKIW543 Actinobacteria-Bifidobacteriales Proteobacteria-GOBR3-C201 Proteobacteria-VHS-B3-70 Proteobacteria-Candidatus_Midichloria Planctomyces-unclassified Candidate_division_TM7-unclassified Proteobacteria-Pisciclitellaceae Proteobacteria-Conamonadaceae Firmicutes-Family_XVIII_Incertae_Sedis Firmicutes-Ruminococcaceae Verrucomicrobia-Verrucomicrobiaceae Firmicutes-Anaeroplasmaaceae Proteobacteria-Nitrospinaeeae Firmicutes-Clostridiaceae Spirochaetes-Spirochaetiaceae Firmicutes-Bacillaceae
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tIC 1
tIC 2