— Bacteria-Acidobacteria-Thermoanaerobaculia-Thermoanaerobaculales-Thermoanaerobaculaceae-Thermoanaerobaculum_aquaticum_WP_038048665.1 ——— Bacteria-Actinobacteria-Actinobacteria-Micrococcales-Intrasporangiaceae-Oryzihumus_leptocrescens_WP_141788729.1 Bacteria-Firmicutes-Bacilli-Bacillales-Bacillaceae-Bacillus_sp._SRB_336_WP_113725780.1 Bacteria-Proteobacteria-Alphaproteobacteria-Rhodobacterales-Rhodobacteraceae-Wenxinia_marina_WP_018304867.1 Bacteria-Firmicutes-Clostridia-Thermoanaerobacterales-Thermoanaerobacteraceae-Calderihabitans_maritimus_WP_088555117.1 — Bacteria-Bacteroidetes-NA-BacteroidetesOrderII.Incertaesedis-Rhodothermaceae-Rhodothermus_profundi_WP_072714491.1 — Bacteria-Chlamydiae-Chlamydiia-Parachlamydiales-Parachlamydiaceae-Parachlamydia_sp._C2_WP_079989584.1 — Bacteria-NA-CandidatusBabeliae-CandidatusBabeliales-CandidatusBabeliaceae-Candidatus_Babela_massiliensis_WP_146617294.1 aryota-Chromeraceae-NA-NA-NA-Vitrella_brassicaformis_MMETSP1451_c29897_g1_i1.p1 Eukaryota-Apicomplexa-NA-Unranked-NA-Lankesteria_abbottii_MMETSP0372_c13423_g1_i2.p1 — Eukaryota-Cryptophyta-NA-Goniomondales-NA-Goniomonas_pacifica_MMETSP0107_c16994_g1_i1.p1 — Bacteria-CandidatusMarinimicrobia-NA-NA-NA-Candidatus_Marinimicrobia_bacterium_WP_129508755.1 · Bacteria-Cyanobacteria-NA-Synechococcales-Prochloraceae-Prochlorococcus_marinus_WP_011131866.1 Eukaryota-Cercozoa-NA-Euglyphida-Paulinellidae-Paulinella_chromatophora_scaffold4621-size1938_m.43037 Bacteria-Aquificae-Aquificae-Aquificales-Aquificaceae-Aquifex_aeolicus_NP_213737.1 — Bacteria-Aquificae-Aquificae-Aquificales-Aquificaceae-Hydrogenivirga_caldilitoris_WP_121010047.1 - Bacteria-Chloroflexi-Anaerolineae-Anaerolineales-Anaerolineaceae-Bellilinea caldifistulae WP 061916464.1 — Bacteria-Chloroflexi-Chloroflexia-Chloroflexales-Chloroflexaceae-Chloroflexus_sp._Y3961_WP_028457974.1 ——— Bacteria-Nitrospirae-Nitrospira-Nitrospirales-Nitrospiraceae-Nitrospira_japonica_WP_080885441.1 Bacteria-Planctomycetes-NA-NA-NA-Planctomycetes_bacterium_EIP_WP_145274864.1 Bacteria-Planctomycetes-Planctomycetia-Planctomycetales-Isosphaeraceae_Isosphaeraceae_bacterium_GM2012_WP_126723468.1 Bacteria-Abditibacteriota-Abditibacteria-Abditibacteriales-Abitibacteriaceae-Abditibacterium_utsteinense_WP_105483013.1 — Bacteria-Armatimonadetes-Chthonomonadetes-Chthonomonadales-Chthonomonadaceae-Chthonomonas_calidirosea_WP_075162866.1 Bacteria-DeinococcusThermus-Deinococci-Deinococcales-Deinococcaceae-Deinococcus_sp._NW56_WP_104990756.1 Eukaryota-Porifera-Demospongiae-Haplosclerida-Niphatidae-Amphimedon_queenslandica_XP_003390095.2 Bacteria-DeinococcusThermus-Deinococci-Thermales-Thermaceae-Marinithermus_hydrothermalis_WP_052297176.1 Bacteria-candidatedivisionNC10-NA-NA-NA-candidate_division_NC10_bacterium_WP_116464964.1 Bacteria-candidatedivisionNC10-NA-NA-NA-Candidatus_Methylomirabilis_limnetica_WP_107562165.1 Archaea-Eurvarchaeota-CandidatusMethanoliparia-CandidatusMethanoliparales-CandidatusMethanollivieraceae-Candidatus_Methanolliviera_sp._GoM_asphalt_WP_144184083.1 Archaea-Thaumarchaeota-NA-Nitrosopumilales-Nitrosopumilaceae-Candidatus_Nitrosopumilus_salaria_WP_008297150.1 —— 100 Archaea-Thaumarchaeota-NA-Nitrosopumilales-Nitrosopumilaceae-Nitrosarchaeum_koreense_WP_007551750.1 Archaea-CandidatusKorarchaeota-NA-NA-NA-Candidatus_Korarchaeum_cryptofilum_WP_125740960.1 ———— Archaea-Crenarchaeota-Thermoprotei-Acidilobales-Acidilobaceae-Acidilobus_saccharovorans_WP_048812915.1 ———— Archaea-Crenarchaeota-Thermoprotei-Desulfurococcales-Desulfurococcaceae-Aeropyrum_camini_WP_022541495.1 Archaea-Euryarchaeota-Thermococci-Thermococcales-Thermococcaceae-Pyrococcus_sp._NA2_WP_048055258.1

