- Archaea-Crenarchaeota-Thermoprotei-Desulfurococcales-Desulfurococcaceae-Ignicoccus_hospitalis_WP_011998759.1 Archaea-Crenarchaeota-Thermoprotei-Sulfolobales-Sulfolobaceae-Acidianus_brierleyi_WP_110270379.1 —— Eukaryota-Euglenida-NA-Eutreptiales-NA-Eutreptiella_gymnastica_MMETSP0039_c22727_g1_i1.p1 —— Eukaryota-Retaria-NA-NA-NA-Elphidium_margaritaceum_MMETSP1385_c14756_g1_i1.p1 - Archaea-Crenarchaeota-Thermoprotei-Desulfurococcales-Desulfurococcaceae-Thermogladius_calderae_WP_048163622.1 — Archaea-Thaumarchaeota-NA-NA-NA-Candidatus_Nitrosotalea_sinensis_WP_101009341.1 Archaea ———— Archaea-Thaumarchaeota-NA-Nitrosopumilales-Nitrosopumilaceae-Candidatus_Nitrosomarinus_catalina_WP_086908107.1 — Archaea-Thaumarchaeota-NA-NA-NA-Marine_Group_I_thaumarchaeote_SCGC_AAA799D07_WP_048083785.1 Bacteria - Bacteria-Fusobacteria-Fusobacteriia-Fusobacteriales-Fusobacteriaceae-Hypnocyclicus_thermotrophus_WP_134113584.1 Eukaryota — Bacteria-Fusobacteria-Fusobacteriia-Fusobacteriales-Leptotrichiaceae-Sebaldella_termitidis_WP_012860645.1 Archaea-Euryarchaeota-Archaeoglobi-Archaeoglobales-Archaeoglobaceae-Archaeoglobus_fulgidus_WP_010878270.1 — Archaea-Euryarchaeota-Archaeoglobi-Archaeoglobales-Archaeoglobaceae-Geoglobus_acetivorans_WP_048092139.1 — Archaea-Euryarchaeota-Archaeoglobi-Archaeoglobales-Archaeoglobaceae-Ferroglobus_placidus_WP_012965135.1 — Archaea-Euryarchaeota-Methanomicrobia-Methanocellales-Methanocellaceae-Methanocella_arvoryzae_WP_012037332.1 Archaea-NA-NA-NA-NA-archaeon_AArcSI_WP_119815899.1 Bacteria-NA-NA-NA-NA-bacterium_JKG1_WP_026369192.1 — Bacteria-Actinobacteria-Actinobacteria-Glycomycetales-Glycomycetaceae-Salilacibacter_sp._NKC35_WP_142091434.1 — Bacteria-CandidatusMelainabacteria-NA-NA-NA-Candidatus_Melainabacteria_bacterium_WP_144105561.1 — Bacteria-Actinobacteria-Actinobacteria-Streptosporangiales-Thermomonosporaceae-Actinomadura_kijaniata_WP_067829538.1 Bacteria-NA-NA-NA-NA-Thermobaculum_terrenum_WP_012875324.1 Bacteria-DeinococcusThermus-Deinococci-Thermales-Thermaceae-NA_WP_008630804.1 85 _Bacteria-DeinococcusThermus-Deinococci-Thermales-Thermaceae-NA_WP_019550759.1 Bacteria-DeinococcusThermus-Deinococci-Thermales-Thermaceae-Thermus_scotoductus_WP_126203073.1 Bacteria-DeinococcusThermus-Deinococci-Thermales-Thermaceae-Thermus_tengchongensis_WP_038041061.1 Bacteria-Firmicutes-Clostridia-Thermoanaerobacterales-Thermoanaerobacteraceae-Carboxydothermus_ferrireducens_WP_028051727.1 — Bacteria-Firmicutes-Clostridia-Thermoanaerobacterales-Thermoanaerobacteraceae-Thermodesulfitimonas_autotrophica_WP_123930705.1 —— Bacteria-Armatimonadetes-Armatimonadia-Capsulimonadales-Capsulimonadaceae-Capsulimonas_corticalis_WP_119322845.1 — Bacteria-Armatimonadetes-Chthonomonadetes-Chthonomonadales-Chthonomonadaceae-Chthonomonas_calidirosea_WP_016482567.1 — Bacteria-Cyanobacteria-NA-Chroococcales-Chroococcaceae-Gloeocapsopsis_sp._AAB1___1H9_WP_105221700.1 Bacteria-Cyanobacteria-NA-Synechococcales-Synechococcaceae-Synechococcus_lividus_WP_099799568.1

Bacteria-Cyanobacteria-NA-Synechococcales-Synechococcaceae-Thermosynechococcus_vulcanus_WP_126984950.1 Bacteria-Cyanobacteria-NA-Oscillatoriales-Microcoleaceae-Planktothricoides_sp._SR001_WP_054464135.1 Eukaryota-Glaucophyta-Glaucophyta-NA-Cyanophoraceae-Cyanophora_paradoxa_tig00001388_g8576.t1 —— Eukaryota-Rhodophyta-Bangiophyceae-Porphyridiales-Porphyridiaceae-Porphyridium_purpureum_2025.35 — Eukaryota-Rhodophyta-Compsopogonophyceae-NA-NA-Madagascaria_erythrocladiodes_MMETSP1450_c11683_g1_i1.p1 — Bacteria-Firmicutes-Bacilli-Bacillales-Staphylococcaceae-Macrococcus_caseolyticus_WP_120787102.1 - Bacteria-Proteobacteria-Gammaproteobacteria-Pseudomonadales-Moraxellaceae-Acinetobacter_baumannii_WP_106474479.1 Distribution of Cr ukaryota-Apicomplexa-NA-Unranked-NA-Alveolata_sp_MMETSP0288_c3798_g1_i1.p1 0.0 0.2 0.4 0.6 0.8 1.0 —— Eukaryota-Ciliophora-NA-Unranked-NA-Euplotes_focardii_MMETSP0206_TR14349-c0_g1_i1.p1 Eukaryota-Euglenida-NA-NA-Unranked-Neobodo_designis_MMETSP1114_c6590_g1_i1.p2 Eukaryota-Cryptophyta-NA-Cryptomonadales-Hemiselmidaceae-Hemiselmis_virescens_MMETSP1356_c18302_g1_i1.p1 — Bacteria-Tenericutes-Mollicutes-Mycoplasmatales-NA-endosymbiont_GvMRE_of_Glomus_versiforme_WP_147410216.1 ——— Eukaryota-Mesomycetozoea-Ichthyosporea-Ichthyophonida-NA-Sphaeroforma_arctica_XP_014151457.1 Eukaryota-Perkinsozoa-NA-Perkinsida-Perkinsidae-Perkinsus_marinus_MMETSP0922_c2698_g1_i1.p1 Eukaryota-Chordata-Ascidiacea-Enterogona-Cionidae-Ciona_intestinalis_XP_002123476.2 :ukaryota-Arthropoda-Insecta-Hymenoptera-Agaonidae-Ceratosolen_solmsi_XP_011495776.1 Eukaryota-Alveolata-Dinophyceae-NA-Unranked-Symbiodinium_sp_MMETSP1377_c129508_g1_i1.p2 Eukaryota-Alveolata-Dinophyceae-NA-Unranked-Symbiodinium_sp_MMETSP1377_c136239_g1_i1.p1 - Eukaryota-Stramenopiles-NA-NA-NA-Bolidomonas_pacifica_MMETSP1319_c9292_g1_i1.p2 Eukaryota-Cercozoa-NA-Euglyphida-Paulinellidae-Paulinella_chromatophora_scaffold17589-size794_m.102663 —— Eukaryota-Cercozoa-Chlorarachniophyceae-NA-NA-Lotharella_globosa_MMETSP0111_c6973_g1_i1.p2 Eukaryota-Cercozoa-Chlorarachniophyceae-NA-NA-Norrisiella_sphaerica_MMETSP0113_c7417_g1_i1.p1 Eukaryota-Cercozoa-Chlorarachniophyceae-NA-NA-Partenskyella_glossopodia_MMETSP1318_c24548_g1_i1.p1 osea-NA-NA-NA-Percolomonas cosmopolitus MMETSP0758 c377 g1 i1.p1 omonadida-Diplomonadida-Diplomonadida-Hexamitidae-Giardia_intestinalis_XP_001706095.1 - Eukaryota-Chlorophyta-NA-NA-NA-Chlamydomonascf sp MMETSP1180 c6810 g1 i1.p1 Eukaryota-Chromeraceae-NA-NA-NA-Chromera_velia_MMETSP0290_c49631_g1_i1.p1 Bacteria-NA-NA-NA-NA_WP_041613555.1 ——— Bacteria-NA-NA-NA-NA_WP_086038739.1 — Bacteria-Planctomycetes-Planctomycetia-Planctomycetales-Gemmataceae-Gemmata obscuriglobus WP 010050955.1 Eukaryota-Apusomonadidae-NA-NA-NA-Thecamonas_trahens_XP_013755317.1 — Bacteria-Chloroflexi-Anaerolineae-Anaerolineales-Anaerolineaceae-Anaerolinea_thermophila_WP_013560274.1 — Bacteria-Proteobacteria-Gammaproteobacteria-Chromatiales-Chromatiaceae-Thiohalocapsa_sp._ML1_WP_058555170.1 — Bacteria-Chloroflexi-Anaerolineae-Anaerolineales-Anaerolineaceae-Pelolinea_submarina_WP_116224110.1 - Bacteria-Chloroflexi-Anaerolineae-Anaerolineales-Anaerolineaceae-Thermanaerothrix_daxensis_WP_054522227.1 Bacteria-Chloroflexi-Caldilineae-Caldilineales-Caldilineaceae-Caldilinea_aerophila_WP_044276202.1 Bacteria-Spirochaetes-Spirochaetia-Spirochaetales-Spirochaetaceae-Treponema_sp._C6A8_WP_027727937.1 — Bacteria-CandidatusMelainabacteria-NA-CandidatusGastranaerophilales-NA-Candidatus_Gastranaerophilales_bacterium_WP_022023318.1 terolobosea-NA-NA-NA-Percolomonas_cosmopolitus_MMETSP0759_c4172_g1_i1.p1 - Bacteria-Planctomycetes-NA-NA-NA-Planctomycetes_bacterium_Pan216_WP_145259724.1 — Viruses-Mimiviridae-NA-NA-NA-Acanthamoeba_polyphaga_mimivirus_YP_003986922.1 Viruses-Mimiviridae-NA-NA-NA-Moumouvirus_YP_007354373.1 Viruses-Mimiviridae-NA-NA-NA-Megavirus_chiliensis_YP_004894524.1 Archaea-CandidatusMicrarchaeota-NA-NA-NA-Candidatus_Mancarchaeum_acidiphilum_WP_088819720.1 — Bacteria-Actinobacteria-Actinobacteria-Micrococcales-Micrococcaceae-Rothia_nasimurium_WP_135011153.1 Viruses-Alloherpesviridae-NA-NA-NA-Anguillid_herpesvirus_1_YP_003358229.2