— Bacteria-Bacteroidetes-Flavobacteriia-Flavobacteriales-Flavobacteriaceae-Kordia_sp._SMS9_WP_114901968.1 — Bacteria-Bacteroidetes-Flavobacteriia-Flavobacteriales-Flavobacteriaceae-Tenacibaculum_sp._SZ18_WP_100926621.1 — Bacteria-CandidatusMarinimicrobia-NA-NA-NA-Candidatus_Marinimicrobia_bacterium_WP_129501111.1 ——— Bacteria-Nitrospirae-NA-NA-NA-Nitrospirae_bacterium_HCH1_WP_085053730.1 Bacteria-Proteobacteria-Betaproteobacteria-Burkholderiales-Oxalobacteraceae-Janthinobacterium_sp._HH01_WP_00844772 Paulinella Bacteria-Verrucomicrobia-Opitutae-Opitutales-Opitutaceae-Lacunisphaera_sp._TWA58_WP_129046619.1 Bacteria-Verrucomicrobia-Opitutae-Opitutales-Opitutaceae-Opitutus_sp._GAS368_WP_091055097.1 Archaea Bacteria ——— Bacteria-Nitrospirae-Nitrospira-Nitrospirales-Nitrospiraceae-Candidatus_Magnetobacterium_casensis_WP_052566830 — Bacteria-Proteobacteria-Deltaproteobacteria-Desulfovibrionales-Desulfovibrionaceae-Desulfovibrio_salexigens_WP_015850869.1 Eukaryota Bacteria-Cyanobacteria-NA-NA-NA_WP_039724759.1 Viruses — Bacteria-Cyanobacteria-NA-Oscillatoriales-Desertifilaceae-Desertifilum_sp._IPPAS_B1220_WP_069965417.1 Other/Misc Bacteria-Cyanobacteria-NA-Oscillatoriales-Oscillatoriaceae-Moorea producens WP 008180179.1 — Bacteria-Spirochaetes-Spirochaetia-Leptospirales-Leptospiraceae-Leptospira_ryugenii_WP_108976698.1 Eukaryota-Alveolata-Dinophyceae-NA-Unranked-Alexandrium_margalefi_MMETSP0661_c11483_g1_i1.p1 Eukaryota-Alveolata-Dinophyceae-NA-Unranked-Pyrodinium_bahamense_MMETSP0796_c34047_g1_i1.p1 Eukaryota-Alveolata-Dinophyceae-NA-Unranked-Azadinium_spinosum_MMETSP1036_c74972_g1_i1.p1 ● BS ≥ 95% Eukaryota-Retaria-NA-NA-NA-Ammonia_sp_MMETSP1384_c13237_g1_i1.p1 Eukaryota-Retaria-NA-NA-Elphidium margaritaceum MMETSP1385 c9221 g1 i1.p1 Eukaryota-Retaria-NA-NA-NA-Sorites_sp_MMETSP0191_c73222_g1_i1.p1 — MSTRG.9188.1.p1 —— Eukaryota-Cercozoa-Chlorarachniophyceae-NA-NA-Bigelowiella_natans_CCMP2755_jgi131354 - Eukarvota-Cercozoa-Chlorarachniophyceae-NA-NA-Lotharella_globosa_MMETSP0111_c2089_g1_i1.p1 Eukaryota-Cryptophyta-NA-Goniomondales-NA-Goniomonas_pacifica_MMETSP0107_c13820_g1_i1.p1 Eukaryota-Stramenopiles-Oomycetes-Peronosporales-Peronosporaceae-Phytophthora_ramorum_jgi72787 Chromatophore (≥100aa) Eukaryota-Stramenopiles-Oomycetes-Saprolegniales-Saprolegniaceae-Aphanomyces_astaci_XP_009828157.1 Eukaryota-Cryptophyta-NA-Cryptomonadales-NA-Hanusia_phi_MMETSP1048_c16040_g1_i1.p1 Eukaryota-Cryptophyta-NA-Pyrenomonadales-Geminigeraceae-Guillardia_theta_MMETSP0046_c8562_g1_i1.p1 Eukaryota-Chlorophyta-NA-NA-NA-Crustomastix stigmata MMETSP0803 c3887 g1 i1.p4 Eukaryota-Chlorophyta-NA-NA-NA-Dolichomastix_tenuilepis_MMETSP0033_c17262_g1_i1.p1 Eukaryota-Choanoflagellata-Choanoflagellata-Choanoflagellata-Salpingoecidae-Salpingoeca_rosetta_XP_004998010.1 —— Eukaryota-Ciliophora-NA-Unranked-NA-Blepharisma_japonicum_MMETSP1395_c27434_g1_i1.p1 Eukaryota-Ciliophora-NA-Unranked-NA-Fabrea_salina_MMETSP1345_c2097_g1_i1.p1 Eukaryota-Ciliophora-NA-Unranked-NA-Platyophrya_macrostoma_MMETSP0127_c7674_g1_i1.p1 Eukaryota-Chlorophyta-NA-NA-NA-Picochlorum_sp_MMETSP1330_c1480_g1_i1.p1 Eukaryota-Haptophyta-NA-Phaeocystales-Phaeocystaceae-Phaeocystis_cordata_MMETSP1465_c5869_g1_i2.p1 Eukaryota-Chromeraceae-NA-NA-NA-Vitrella_brassicaformis_MMETSP1451_c28342_g1_i1.p1 Distribution of Cr Haptophyta-NA-Pavlovales-Pavlovaceae-Pavlova_gyrans_MMETSP1466_c11916_g1_i1.p1 — Eukaryota-Perkinsozoa-NA-Perkinsida-Perkinsidae-Perkinsus_chesapeaki_MMETSP0924_c9391_g1_i2.p1 - Bacteria-CandidatusKryptonia-NA-NA-NA-Candidatus_Chrysopegis_kryptomonas_WP_092347290.1 aryota-Heterolobosea-NA-NA-Vahlkampfiidae-Naegleria_gruberi_jgi82193 - Eukaryota-Trichomonadida-Trichomonadida-Trichomonadida-Trichomonadidae-Trichomonas_vaginalis_XP_001302578.1 Eukaryota-Streptophyta-NA-Fagales-Fagaceae-Quercus_suber_XP_023888888.1 Eukaryota-Ascomycota-Leotiomycetes-Helotiales-Helotiaceae-Glarea lozoyensis XP 008082932.1 — Eukaryota-Basidiomycota-Agaricomycetes-Gloeophyllales-Gloeophyllaceae-Gloeophyllum_trabeum_XP_007869262.1 Eukaryota-Basidiomycota-Microbotryomycetes-Sporidiobolales-Sporidiobolaceae-Rhodotorula_toruloides_XP_016273577.1 0.0 0.2 0.4 0.6 0.8 1.0 Eukaryota-Cnidaria-Anthozoa-Scleractinia-Acroporidae-Acropora digitifera XP 015773437. Eukaryota-Mollusca-Gastropoda-Architaenioglossa-Ampullariidae-Pomacea_canaliculata_XP_025084329.1 Eukaryota-Brachiopoda-Lingulata-Lingulida-Lingulidae-Lingula_anatina_XP_013391998.1 Eukaryota-Mollusca-Bivalvia-Ostreoida-Ostreidae-Crassostrea_gigas_XP_011447434.1 — Eukaryota-Placozoa-NA-NA-Trichoplacidae-Trichoplax adhaerens XP 002111658.1 ucophyta-Glaucophyta-NA-NA-Cyanoptyche_gloeocystis_MMETSP1086_c10388_g1_i1.p1 psopogonophyceae-NA-NA-Madagascaria_erythrocladiodes_MMETSP1450_c9757_g1_i2.p1 ı-NA-NA-Paramoebidae-Pessonella_sp_MMETSP0420_c6091_g1_i1.p1 Eukaryota-Apicomplexa-Conoidasida-Eucoccidiorida-Sarcocystidae-Neospora_caninum_XP_003882217.1 0.0 0.2 0.4 0.6 0.8 1.0 — 100 Eukaryota-Apicomplexa-Conoidasida-Eucoccidiorida-Sarcocystidae-Toxoplasma_gondii_XP_002371435.1 Eukaryota-Chromeraceae-NA-NA-NA-Chromera_velia_MMETSP0290_c825_g1_i1.p1 — Eukaryota-Annelida-Clitellata-Hirudinida-Glossiphoniidae-Helobdella_robusta_jgi114833 ptophyta-NA-Malpighiales-Salicaceae-Populus_euphratica_XP_011015101.1 aryota-Choanoflagellata-Choanoflagellata-Choanoflagellata-NA-Acanthoeca_sp_MMETSP0105_c25001_g1_i1.p1 Eukaryota-Priapulida-Priapulimorpha-Priapulimorphida-Priapulidae-Priapulus_caudatus_XP_014662411.1 Eukaryota-Nematoda-Chromadorea-Rhabditida-Rhabditidae-Caenorhabditis_briggsae_XP_002646519.1 Eukaryota-Nematoda-Chromadorea-Strongylida-Ancylostomatidae-Necator_americanus_XP_013295846.1 ıkaryota-Mesomycetozoea-Ichthyosporea-Ichthyophonida-NA-Sphaeroforma_arctica_XP_014151570.1 Eukaryota-Euglenida-NA-Eutreptiales-NA-Eutreptiella_gymnastica-like_MMETSP0809_c2789_g1_i1.p1 Eukaryota-Euglenida-NA-NA-Unranked-Neobodo_designis_MMETSP1114_c9629_g1_i1.p1 Eukaryota-Heterolobosea-NA-NA-NA-Percolomonas cosmopolitus MMETSP0758 c680 g1 i1.p1 · Bacteria-Chlamydiae-Chlamydiia-Chlamydiales-NA-Chlamydiales_bacterium_SCGC_AG110M15_WP_088244702.1 Palpitomonas-NA-NA-NA-Palpitomonas_bilix_MMETSP0780_c21200_g1_i1.p1 NA-NA-Paramoebidae-Stygamoeba_regulata_MMETSP0447_c8052_g1_i1.p1 Eukaryota-Amoebozoa-NA-NA-Paramoebidae-Vexillifera_sp_MMETSP0173_c4737_g1_i1.p1 karyota-Glaucophyta-Glaucophyta-Gloeochaetales-Gloeochaetaceae-Gloeochaete_wittrockiana_MMETSP1089_c3688_g1_i1.p1 Eukaryota-Haptophyta-NA-Prymnesiales-NA-Imantonia_sp_MMETSP1474_c33928_g1_i1.p1 - Eukaryota-Cercozoa-Chlorarachniophyceae-NA-NA-Gymnochlora_sp_MMETSP0110_c6920_g1_i1.p1 ıkaryota-Apusomonadidae-NA-NA-NA-Thecamonas_trahens_XP_013754541.1 Eukaryota-Fonticulida-Fonticulida-Fonticulida-Fonticulaceae-Fonticula_alba_XP_009497122.1 Eukaryota-Mucoromycota-Mucoromycetes-Mucorales-Rhizopodaceae-Rhizopus_microsporus_XP_023468730.1 Eukaryota-Mesomycetozoea-Ichthyosporea-NA-NA-Capsaspora_owczarzaki_XP_004348035.2 - Bacteria-CandidatusMelainabacteria-NA-CandidatusGastranaerophilales-NA-Candidatus_Gastranaerophilales_bacterium_WP_129697083.1 — Bacteria-Aquificae-Aquificae-Aquificales-Hydrogenothermaceae-Persephonella_marina_WP_012675790.1 — Bacteria-Spirochaetes-Spirochaetia-Spirochaetales-Spirochaetaceae-Sediminispirochaeta_smaragdinae_WP_013252664.1

Bacteria-Bacteroidetes-Flavobacteriia-Flavobacteriales-Flavobacteriaceae-Aquimarina_brevivitae_WP_130285282.1