— Bacteria-Actinobacteria-Actinobacteria-Actinomycetales-Actinomycetaceae-Actinomyces\_marimammalium\_WP\_075361952.1 Bacteria-Spirochaetes-Spirochaetia-Spirochaetales-Spirochaetaceae-Sphaerochaeta\_pleomorpha\_WP\_014271262.1 — Bacteria-Synergistetes-Synergistia-Synergistales-Synergistaceae-Fretibacterium\_sp.\_OH1220\_COT178\_WP\_124888134.1 — Bacteria-Actinobacteria-Coriobacteriia-Eggerthellales-Eggerthellaceae-Enterorhabdus\_mucosicola\_WP\_028026771.1 — Bacteria-Bacteroidetes-Bacteroidia-Bacteroidales-Bacteroidaceae-Bacteroides\_caecimuris\_WP\_120360854.1 Bacteria-Actinobacteria-Coriobacteriia-Eggerthellales-Eggerthellaceae-Slackia\_heliotrinireducens\_WP\_012799495.1 Bacteria-Firmicutes-Clostridia-Clostridiales-Oscillospiraceae-Dysosmobacter\_welbionis\_WP\_136891537.1 Bacteria-Firmicutes-Clostridia-Clostridiales-Oscillospiraceae-NA\_WP\_021749352.1 Bacteria-Bacteroidetes-Bacteroidia-Bacteroidales-Prevotellaceae-NA\_WP\_070665897.1 Bacteria Bacteria-Bacteroidetes-Bacteroidia-Bacteroidales-Prevotellaceae-Prevotella sp. 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Eukaryota-Basidiomycota-Pucciniomycetes-Pucciniales-Melampsoraceae-Melampsora\_laricis\_populina\_jgi46311 Eukaryota-Nematoda-Chromadorea-Rhabditida-Rhabditidae-Caenorhabditis elegans NP 741452.2 Eukaryota-Nematoda-Chromadorea-Strongylida-Ancylostomatidae-Necator\_americanus\_XP\_013305576.1 Eukaryota-Nematoda-Chromadorea-Rhabditida-Strongyloididae-Strongyloides\_ratti\_XP\_024499244.1 - Bacteria-Chloroflexi-Ktedonobacteria-Ktedonobacterales-Dictyobacteraceae-Dictyobacter\_kobayashii\_WP\_126552088.1 — Bacteria-Chloroflexi-Ktedonobacteria-Ktedonobacterales-Dictyobacteraceae-Tengunoibacter\_tsumagoiensis\_WP\_126580801.1 Bacteria-Chloroflexi-Ktedonobacteria-Ktedonobacterales-NA-Ktedonobacterales\_bacterium\_SCAWSG2\_WP\_129894673.1 Eukaryota-Amoebozoa-NA-NA-Paramoebidae-Filamoeba\_nolandi\_MMETSP0413\_c2756\_g1\_i1.p1 Eukaryota-Cercozoa-Chlorarachniophyceae-NA-NA-Lotharella globosa MMETSP0041 c14516 g1 i1.p1 karyota-Cercozoa-Chlorarachniophyceae-NA-NA-Partenskyella\_glossopodia\_MMETSP1318\_c2446\_g3\_i1.p1 Eukaryota-Alveolata-Dinophyceae-NA-Unranked-Pelagodinium bii MMETSP1338 c41293 g1 i1.p1 Eukaryota-Alveolata-Dinophyceae-NA-Unranked-Symbiodinium\_sp\_MMETSP1367\_c4718\_g1\_i1.p1 Eukaryota-Retaria-NA-NA-NA-Sorites sp MMETSP0191 c40748 g1 i1.p1 Eukaryota-Perkinsozoa-NA-Perkinsida-Perkinsidae-Perkinsus marinus XP 002774958.1 Eukaryota-Apicomplexa-NA-Unranked-NA-Alveolata\_sp\_MMETSP0288\_c18148\_g1\_i1.p1 -Chromeraceae-NA-NA-NA-Vitrella brassicaformis MMETSP1451 c16357 g1 i1.p1 Eukaryota-Chromeraceae-NA-NA-NA-Chromera\_velia\_MMETSP0290\_c37861\_g1\_i1.p1 — Eukaryota-Alveolata-Dinophyceae-Peridiniales-Kryptoperidiniaceae-Durinskia\_baltica\_MMETSP0117\_c4545\_g1\_i1.p1 Eukaryota-Ciliophora-NA-Unranked-NA-Tiarina fusus MMETSP0472 c749 g1 i1.p1 Eukaryota-Stramenopiles-NA-NA-NA-Licmophora\_paradoxa\_MMETSP1360\_c7678\_g1\_i1.p1 Eukaryota-Stramenopiles-NA-NA-NA-Paraphysomonas\_vestita\_MMETSP1107\_c22110\_g1\_i1.p1 ukaryota-Stramenopiles-Oomycetes-Saprolegniales-Saprolegniaceae-Aphanomyces astaci XP 009844454.1 — Eukaryota-Stramenopiles-Oomycetes-Saprolegniales-Saprolegniaceae-Saprolegnia parasitica XP 012195046.1 ——— MSTRG.20503.1.p1 Paulinella\_chromatophora\_CCAC0185\_nuclear\_\_\_scaffold3819-m37772 — Paulinella\_ovalis\_nuclear\_SingleCell\_\_\_SAG1\_utg7180000001054.g466.t1 Eukaryota-Amoebozoa-NA-NA-Paramoebidae-Stygamoeba\_regulata\_MMETSP0447\_c37319\_g1\_i1.p1 Eukaryota-Ciliophora-NA-Unranked-NA-Myrionecta\_rubra\_MMETSP0798\_c4783\_g1\_i1.p1 Eukaryota-Ciliophora-NA-Unranked-NA-Strombidinopsis\_sp\_MMETSP0463\_c36590\_g1\_i1.p1 ulo sukaryota-Cryptophyta-NA-Pyrenomonadales-Pyrenomonadaceae-Rhodomonas\_salina\_MMETSP1047\_c213\_g1\_i1.p1 — Eukaryota-Cryptophyta-NA-Cryptomonadales-Hemiselmidaceae-Hemiselmis\_andersenii\_MMETSP0043\_c6325\_g1\_i1.p1 — Eukaryota-Cryptophyta-NA-Goniomondales-NA-Goniomonas sp MMETSP0114\_c3565\_g1\_i1.p1 Eukaryota-Apusomonadidae-NA-NA-Thecamonas trahens XP 013757731.1 Eukaryota-Choanoflagellata-Choanoflagellata-Choanoflagellata-NA-Acanthoeca\_sp\_MMETSP0105\_c19561\_g1\_i1.p1 Eukaryota-Choanoflagellata-Choanoflagellata-Choanoflagellata-Salpingoecidae-Monosiga brevicollis XP 001745244.1 Eukaryota-Choanoflagellata-Choanoflagellata-Choanoflagellata-Salpingoecidae-Salpingoeca\_rosetta\_XP\_004994595.1 —— Eukaryota-Haptophyta-NA-Pavlovales-Pavlovaceae-Pavlova\_sp\_MMETSP1139\_c3459\_g1\_i1.p1 Eukaryota-Haptophyta-NA-Prymnesiales-NA-Calcidiscus leptoporus MMETSP1334\_c8450\_g1\_i1.p1 Eukaryota-Haptophyta-NA-Prymnesiales-NA-Pleurochrysis\_carterae\_MMETSP1137\_c10792\_g1\_i1.p1 - Archaea-Euryarchaeota-Thermoplasmata-Methanomassiliicoccales-CandidatusMethanomethylophilaceae-Candidatus\_Methanomethylophilus\_alvus\_WP\_122892372.1 —— Paulinella chromatophora CCAC0185 nuclear scaffold10761-m75925 ------ Viruses-Myoviridae-NA-NA-Prochlorococcus\_phage\_PSSM7\_YP\_004325011.1 — Archaea-NA-NA-NA-NA-archaeon AArcSI WP 119818929.1 — Bacteria-Proteobacteria-Alphaproteobacteria-Rhodobacterales-Rhodobacteraceae-Rhodovulum\_steppense\_WP\_132693389.1 Bacteria-Proteobacteria-Alphaproteobacteria-Rhodobacterales-Rhodobacteraceae-Sulfitobacter\_pontiacus\_WP\_132997876.1 — Eukaryota-Glaucophyta-Glaucophyta-Gloeochaetales-Gloeochaetaceae-Gloeochaete\_witrockiana\_MMETSP0308\_c37163\_g1\_i1.p1 Eukaryota-Glaucophyta-Glaucophyta-NA-Cyanophoraceae-Cyanophora paradoxa tig00000622 g2633.t1 — Eukaryota-Rhodophyta-Bangiophyceae-Cyanidiales-Cyanidiaceae-Cyanidioschyzon merolae XP 005536829.1 — Eukaryota-Rhodophyta-Bangiophyceae-Porphyridiales-Porphyridiaceae-Porphyridium\_aerugineum\_MMETSP0313\_c5477\_g1\_i1.p1 - 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