Eukaryota-Acytosteliales-Acytosteliales-Acytosteliales-Cavenderiaceae-Cavenderia_fasciculata_XP_004358802.1 — Eukaryota-Haptophyta-NA-Pavlovales-Pavlovaceae-Pavlova_lutheri_MMETSP1463_c4487_g1_i1.p1 Bacteria Eukaryota-Palpitomonas-NA-NA-NA-Palpitomonas_bilix_MMETSP0780_c9834_g1_i2.p1 Eukaryota-Cryptophyta-NA-Goniomondales-NA-Goniomonas_sp_MMETSP0114_c33804_g1_i1.p1 34 Eukaryota-Mucoromycota-Mucoromycetes-Mucorales-Phycomycetaceae-Phycomyces_blakesleeanus_jgi20799 Eukaryota-Mucoromycota-Mortierellomycetes-Mortierellales-Mortierellaceae-Lobosporangium_transversale_XP_021885568.1 Eukaryota-Perkinsozoa-NA-Perkinsida-Perkinsidae-Perkinsus_marinus_XP_002782280.1 - Eukaryota-Apicomplexa-Conoidasida-Eucoccidiorida-Sarcocystidae-Besnoitia_besnoiti_XP_029222500.1 —— Eukaryota-Chromeraceae-NA-NA-NA-Chromera_velia_MMETSP0290_c29825_g1_i1.p1 ——— Eukaryota-Microsporidia-NA-NA-Unikaryonidae-Encephalitozoon hellem XP 003888171.1 Eukaryota-Trichomonadida-Trichomonadida-Trichomonadida-Trichomonadidae-Trichomonas_vaginalis_XP_001326704.1 ıkaryota-Chromeraceae-NA-NA-NA-Vitrella_brassicaformis_MMETSP1451_c5167_g1_i1.p3 a-Enteropneusta-NA-Harrimaniidae-Saccoglossus_kowalevskii_XP_006812089.1 ukaryota-Cnidaria-Hydrozoa-Anthoathecata-Hydridae-Hydra_magnipapillata_jgiHma2231866 ukaryota-Platyhelminthes-Cestoda-Cyclophyllidea-Taeniidae-Echinococcus_granulosus_XP_024354691.1 Eukaryota-Platyhelminthes-Trematoda-Strigeidida-Schistosomatidae-Schistosoma_mansoni_XP_018651786.1 ——— Eukaryota-Ciliophora-NA-Unranked-NA-Strombidium_inclinatum_MMETSP0208_c9356_g1_i1.p1 Eukaryota-Heterolobosea-NA-NA-NA-Percolomonas cosmopolitus MMETSP0758 c10957 g1_i1.p1 Eukaryota-Apusomonadidae-NA-NA-Thecamonas_trahens_XP_013757016.1 etes-Glomerales-Glomeraceae-Rhizophagus_irregularis_XP_025169524.1 Eukaryota-Streptophyta-Liliopsida-Arecales-Arecaceae-Elaeis_guineensis_XP_010935173.1 Eukaryota-Streptophyta-NA-Brassicales-Brassicaceae-Raphanus_sativus_XP_018474569.1 - Eukaryota-Streptophyta-NA-Lamiales-Phrymaceae-Erythranthe guttata XP 012827778.1 Eukaryota-Alveolata-Dinophyceae-NA-Unranked-Glenodinium_foliaceum_MMETSP0119_c27858_g1_i1.p1 - Eukaryota-Stramenopiles-NA-Bicosoecida-NA-Bicosoecid_sp_MMETSP0115_c9753_g1_i1.p1 Eukaryota-Amoebozoa-NA-NA-Paramoebidae-Vexillifera_sp_MMETSP0173_c389_g1_i1.p1 · Eukaryota-Cryptophyta-NA-Cryptomonadales-Cryptomonadaceae-Cryptomonas_paramecium_MMETSP0038_c11557_g1_i2.p1 Eukaryota-Cryptophyta-NA-Cryptomonadales-Hemiselmidaceae-Hemiselmis_andersenii_MMETSP1041_c32414_g1_i1.p1 aryota-Chlorophyta-Chlorophyceae-Chlamydomonadales-Chlamydomonadaceae-Chlamydomonas chlamydogama MMETSP1392 c23180 g1 i1.p1 Eukaryota-Chlorophyta-NA-NA-NA-Pterosperma_sp_MMETSP1438_c34111_g1_i1.p1 - Eukaryota-Chlorophyta-NA-Pyramimonadales-NA-Pyramimonas_amylifera_MMETSP1081_c31826_g1_i1.p1 ukaryota-Alveolata-Dinophyceae-Peridiniales-Kryptoperidiniaceae-Durinskia_baltica_MMETSP0117_c5558_g1_i1.p1 — Eukaryota-Ciliophora-NA-Unranked-NA-Tiarina_fusus_MMETSP0472_c51725_g1_i1.p1 —— Eukaryota-Euglenida-NA-Eutreptiales-NA-Eutreptiella_gymnastica_MMETSP0039_c107437_g1_i1.p1 Eukaryota-Euglenida-NA-NA-Unranked-Neobodo_designis_MMETSP1114_c14220_g1_i1.p2 — Eukaryota-Kinetoplastida-Kinetoplastida-Kinetoplastida-Trypanosomatidae-Leishmania_braziliensis_XP_001566813.1 Eukaryota-Kinetoplastida-Kinetoplastida-Kinetoplastida-Trypanosomatidae-Leptomonas_pyrrhocoris_XP_015661662.1 Eukaryota-Kinetoplastida-Kinetoplastida-Kinetoplastida-Trypanosomatidae-Trypanosoma_cruzi_XP_810584.1 Eukaryota-Rhodophyta-Bangiophyceae-Porphyridiales-Porphyridiaceae-Porphyridium_purpureum_2502.16 Eukaryota-Rhodophyta-Florideophyceae-Gracilariales-Gracilariaceae-Gracilariopsis_chorda_PXF48671.1 karyota-Fonticulida-Fonticulida-Fonticulida-Fonticulaceae-Fonticula_alba_XP_009495259.1 ukaryota-Mesomycetozoea-Ichthyosporea-Ichthyophonida-NA-Sphaeroforma_arctica_XP_014148435.1 karyota-Ascomycota-Schizosaccharomycetes-Schizosaccharomycetales-Schizosaccharomycetaceae-Schizosaccharomyces_japonicus_XP_002174929.1 nycota-Agaricomycetes-Hymenochaetales-Hymenochaetaceae-Fomitiporia_mediterranea_XP_007265780.1 — Eukaryota-Basidiomycota-Agaricomycetes-Polyporales-Sparassidaceae-Sparassis_crispa_XP_027609245.1 Eukaryota-Basidiomycota-Agaricomycetes-Russulales-Bondarzewiaceae-Heterobasidion_annosum_jgi66277 — Eukaryota-Ascomycota-Sordariomycetes-Sordariales-Chaetomiaceae-Chaetomium_thermophilum_XP_006693263.1 ——— MSTRG.8083.1.p1 — Paulinella_chromatophora_CCAC0185_nuclear___scaffold14480-m91398 - Eukaryota-Amoebozoa-NA-NA-Paramoebidae-Neoparamoeba aestuarina MMETSP0161 c4781 g1 i1.p1 Eukaryota-Diplomonadida-Diplomonadida-Diplomonadida-Hexamitidae-Giardia_intestinalis_XP_001706409.1 karyota-Rhodophyta-Bangiophyceae-Cyanidiales-Cyanidiaceae-Cyanidioschyzon merolae CmerSOOS G2190.1 Eukaryota-Entamoebidae-NA-NA-NA-Entamoeba_dispar_XP_001735900.1 —— Eukaryota-Heterolobosea-NA-NA-Vahlkampfiidae-Naegleria_gruberi_jgi44441 Eukaryota-Retaria-NA-NA-Ammonia_sp_MMETSP1384_c10655_g1_i1.p1 Eukaryota-Retaria-NA-NA-NA-Elphidium_margaritaceum_MMETSP1385_c6618_g1_i1.p1 Eukaryota-Retaria-NA-NA-NA-Rosalina_sp_MMETSP0190_c1885_g1_i1.p1 Archaea-CandidatusKorarchaeota-NA-NA-NA-Candidatus_Korarchaeum_cryptofilum_WP_012309644.1 — Archaea-Euryarchaeota-Methanomicrobia-Methanosarcinales-Methanosarcinaceae-Methanosarcina_barkeri_WP_048108999.1 — Bacteria-Aquificae-Aquificae-Desulfurobacteriales-Desulfurobacteriaceae-Thermovibrio_ammonificans_WP_013538312.1 — Archaea-Euryarchaeota-Methanococci-Methanococcales-Methanococcaceae-Methanococcus_maripaludis_WP_081422769.1 - Archaea-Euryarchaeota-Methanococci-Methanococcales-Methanococcaceae-Methanothermococcus_thermolithotrophicus_WP_026182917.1 ——— Archaea-Crenarchaeota-Thermoprotei-Thermoproteales-Thermofilaceae-Thermofilum_uzonense_WP_052884520.1 —— Archaea-CandidatusBathyarchaeota-NA-NA-NA-Candidatus Bathyarchaeota archaeon WP 116595101.1 Archaea-Crenarchaeota-Thermoprotei-Desulfurococcales-Desulfurococcaceae-Staphylothermus_marinus_WP_011839083.1 — Archaea-Crenarchaeota-Thermoprotei-Desulfurococcales-Pyrodictiaceae-Pyrolobus_fumarii_WP_083818452.1