— Bacteria-Actinobacteria-Actinobacteria-Actinomycetales-NA-Actinomycetales_bacterium_JB111_WP_087061468.1 ——— Bacteria-Actinobacteria-Actinobacteria-Micrococcales-Bogoriellaceae-Georgenia_muralis_WP_123919894.1 Eukaryota-Euglenida-NA-NA-Unranked-Neobodo_designis_MMETSP1114_c5862_g1_i1.p3 Eukaryota-Alveolata-Dinophyceae-NA-Unranked-Azadinium_spinosum_MMETSP1037_c11756 g1 i1.p1 Eukaryota-Alveolata-Dinophyceae-NA-Unranked-Crypthecodinium_cohnii_MMETSP0325_c21382_g1_i1.p1 Eukaryota-Alveolata-Dinophyceae-NA-Unranked-Gymnodinium_catenatum_MMETSP0784_c64940_g1_i1.p1 Eukaryota-Stramenopiles-Dictyochophyceae-Dictyochales-NA-Dictyocha_speculum_MMETSP1174_c49427_g1_i1.p1 —— Eukaryota-Echinodermata-Echinoidea-Echinoida-Strongylocentrotidae-Strongylocentrotus_purpuratus_XP_780495.3 Eukaryota-Brachiopoda-Lingulata-Lingulida-Lingulidae-Lingula_anatina_XP_013381739.1 emichordata-Enteropneusta-NA-Harrimaniidae-Saccoglossus kowalevskii XP 002742377.1 Eukaryota-Cnidaria-Anthozoa-Actiniaria-Aiptasiidae-Exaiptasia_pallida_XP_020913285.1 Eukaryota-Cnidaria-Anthozoa-Scleractinia-Acroporidae-Acropora_digitifera_XP_015762459.1 — Eukaryota-Echinodermata-Asteroidea-Valvatida-Acanthasteridae-Acanthaster planci XP 022105126.1 — Eukaryota-Stramenopiles-NA-NA-Blastocystidae-Blastocystis hominis XP 012895074.1 ——————— Eukaryota-Priapulida-Priapulimorpha-Priapulimorphida-Priapulidae-Priapulus_caudatus_XP_014676377.1 —— Eukaryota-Arthropoda-Arachnida-Araneae-Theridiidae-Parasteatoda_tepidariorum_XP_015929164.1 Eukaryota-Streptophyta-Liliopsida-Zingiberales-Musaceae-Musa_acuminata_XP_009404230.1 Eukaryota-Streptophyta-NA-Lamiales-Oleaceae-Olea_europaea_XP_022878845.1 — Eukaryota-Porifera-Demospongiae-Haplosclerida-Niphatidae-Amphimedon_queenslandica_XP_003387931.2 ukaryota-Amoebozoa-NA-NA-Paramoebidae-Filamoeba nolandi MMETSP0413 c22492 g1 i1.p1 — Eukaryota-Apicomplexa-Conoidasida-Eucoccidiorida-Cryptosporidiidae-Cryptosporidium muris XP 002142385.1 - Eukaryota-Cercozoa-Chlorarachniophyceae-NA-NA-Lotharella_oceanica_MMETSP0040_c8623_g1_i1.p1 ıkaryota-Ciliophora-Oligohymenophorea-Hymenostomatida-Tetrahymenidae-Tetrahymena thermophila XP 001014432.1 Eukaryota-Heterolobosea-NA-NA-NA-Percolomonas cosmopolitus MMETSP0759 c5078 g1 i1.p1 Eukaryota-Heterolobosea-NA-NA-Vahlkampfiidae-Naegleria_gruberi_jgi5223 Eukaryota-Retaria-NA-NA-Ammonia_sp_MMETSP1384_c5287_g1_i1.p1 Eukaryota-Rhodophyta-Bangiophyceae-NA-NA-Rhodella_maculata_MMETSP0314_c2564_g1_i2.p1 Eukaryota-Mollusca-Bivalvia-Ostreoida-Ostreidae-Crassostrea gigas XP 011446282.1 — Eukaryota-Mollusca-Cephalopoda-Octopoda-Octopodidae-Octopus_vulgaris_XP_029652914.1 Eukaryota-Rhodophyta-Bangiophyceae-Porphyridiales-Porphyridiaceae-Porphyridium purpureum 2053.2 ———— Eukaryota-Euglenida-NA-Eutreptiales-NA-Eutreptiella_gymnastica_MMETSP0039_c102881_g1_i1.p1 Eukaryota-Cryptophyta-NA-Pyrenomonadales-Geminigeraceae-Proteomonas_sulcata_MMETSP1049_c6395_g1_i1.p1 Eukaryota-Perkinsozoa-NA-Perkinsida-Perkinsidae-Perkinsus marinus XP 002788693.1 Eukaryota-Chlorophyta-Mamiellophyceae-Mamiellales-Mamiellaceae-Micromonas_sp_MMETSP0802_c2667_g1_i1.p2 Eukaryota-Haptophyta-NA-Prymnesiales-NA-Calcidiscus_leptoporus_MMETSP1334_c3113_g1_i1.p1 Eukaryota-Haptophyta-NA-Prymnesiales-NA-Coccolithus_pelagicussspbraarudi_MMETSP0164_c4277_g1_i1.p1 Eukaryota-Haptophyta-NA-Prymnesiales-NA-Chrysochromulina_ericina_MMETSP1096_c62772_g1_i1.p1 ——— Eukaryota-Stramenopiles-NA-NA-NA-Pinguiococcus_pyrenoidosus_MMETSP1160_c6758_g1_i1.p1 Eukaryota-Apicomplexa-NA-Unranked-NA-Alveolata_sp_MMETSP0288_c12367_g1_i1.p1 Eukaryota-Chromeraceae-NA-NA-NA-Vitrella_brassicaformis_MMETSP1451_c12932_g1_i1.p1 — Eukaryota-Glaucophyta-Glaucophyta-NA-Cyanophoraceae-Cyanophora_paradoxa_tig00021168_g19074.t1 Bacteria-Synergistetes-Synergistia-Synergistales-Synergistaceae-Aminobacterium_mobile_WP_024822204.1 - Bacteria-Actinobacteria-Actinobacteria-Pseudonocardiales-Pseudonocardiaceae-Saccharopolyspora_sp._16K404_WP_132619792.1 — Bacteria-Bacteroidetes-Flavobacteriia-Flavobacteriales-Flavobacteriaceae-Flavobacteriaceae_bacterium_PRS1_WP_122516705.1 Bacteria-Bacteroidetes-Flavobacteriia-Flavobacteriales-Flavobacteriaceae-Flavobacterium sp. 2 WP 099717688.1 — Bacteria-Balneolaeota-Balneolia-Balneolales-Balneolaceae-Aliifodinibius_sp._ECH52_WP_138431870.1 — Bacteria-Synergistetes-Synergistia-Synergistales-Synergistaceae-Acetomicrobium_thermoterrenum_WP_091461471.1 Bacteria-Proteobacteria-Gammaproteobacteria-Vibrionales-Vibrionaceae-Photobacterium_sp._CECT_9192_WP_087853433.1 ukaryota-Ciliophora-Oligohymenophorea-Peniculida-Parameciidae-Paramecium_tetraurelia_XP_001433220.1 Bacteria-Chrysiogenetes-Chrysiogenetes-Chrysiogenales-Chrysiogenaceae-Desulfurispirillum_indicum_WP_013507087.1 - Bacteria-Nitrospirae-Nitrospira-Nitrospirales-Nitrospiraceae-Candidatus_Magnetobacterium_casensis_WP_040336367.1 —— Bacteria-Nitrospirae-NA-NA-Nitrospirae bacterium HCH1 WP 085053141.1 Bacteria-Spirochaetes-Spirochaetia-Spirochaetales-Spirochaetaceae-Alkalispirochaeta_odontotermitis_WP_037561046.1 Bacteria-NA-NA-NA-NA WP 112939926.1 —— Bacteria-Proteobacteria-Betaproteobacteria-Burkholderiales-Oxalobacteraceae-Massilia lurida WP_145653010.1 — Bacteria-Proteobacteria-Betaproteobacteria-Burkholderiales-Oxalobacteraceae-Janthinobacterium sp. TND4EL3 WP 076565505.1 — Bacteria-DeinococcusThermus-Deinococci-Deinococcales-Deinococcaceae-Deinococcus ficus WP 081425841.1 Bacteria-Planctomycetes-Planctomycetia-Planctomycetales-Planctomycetaceae-Bythopirellula_goksoyri_WP_148072038.1 — Bacteria-Planctomycetes-Planctomycetia-Planctomycetales-Planctomycetaceae-Thermogutta_terrifontis_WP_095414045.1 — Bacteria-CandidatusAtribacteria-NA-NA-NA-Atribacteria bacterium JGI 0000014F07 WP 090598759.1 Bacteria-Synergistetes-Synergistia-Synergistales-Synergistaceae-Pyramidobacter_sp._CG502_WP_120373142.1 — Bacteria-Planctomycetes-NA-NA-NA-Planctomycetes bacterium Pan216 WP_145256781.1 — Bacteria-Verrucomicrobia-Opitutae-Opitutales-Opitutaceae-Lacunisphaera_sp._TWA58_WP_129048902.1 Bacteria-Verrucomicrobia-Opitutae-Opitutales-Opitutaceae-Nibricoccus aquaticus WP 096056985.1 — Bacteria-Verrucomicrobia-Spartobacteria-Chthoniobacterales-Chthoniobacteraceae-Chthoniobacter_flavus_WP_006982935.1 — Archaea-Crenarchaeota-Thermoprotei-Thermoproteales-Thermofilaceae-Thermofilum uzonense WP 052883915.1 ——— Archaea-Euryarchaeota-Thermococci-Thermococcales-Thermococcaceae-Palaeococcus pacificus WP 048164960.1 —— Archaea-Euryarchaeota-Thermococci-Thermococcales-Thermococcaceae-Pyrococcus_sp._ST04_WP_048056217.1 - Archaea-Euryarchaeota-Thermococci-Thermococcales-Thermococcaceae-Thermococcus guaymasensis WP 062371346.1 — Bacteria-Bacteroidetes-Bacteroidia-Bacteroidales-Prevotellaceae-Prevotella ruminicola WP 139208883.1 — Bacteria-NA-NA-NA-NA-Natronospirillum_operossus_WP_135483322.1 - Eukaryota-Ascomycota-Eurotiomycetes-Chaetothyriales-Herpotrichiellaceae-Exophiala_spinifera_XP_016230088.1 — Eukaryota-Ascomycota-Sordariomycetes-Hypocreales-Nectriaceae-Fusarium graminearum XP 011328690.1 — Bacteria-Firmicutes-Bacilli-Bacillales-Bacillaceae-Bacillus_cereus_WP_098595989.1 - Bacteria-Firmicutes-Bacilli-Bacillales-Paenibacillaceae-NA WP 072337346.1 Bacteria-Thermotogae-Thermotogales-Thermotogaceae-Oceanotoga_teriensis_WP_109604280.1 — Bacteria-Spirochaetes-Spirochaetia-Spirochaetales-Spirochaetaceae-Sphaerochaeta_halotolerans_WP_117329668.1 - Archaea-CandidatusBathyarchaeota-NA-NA-NA-Candidatus Bathyarchaeota archaeon WP 119816489.1 — Bacteria-Firmicutes-Bacilli-Bacillales-Bacillaceae-Aeribacillus_pallidus_WP_094245935.1

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