Bacteria-Actinobacteria-Actinobacteria-Micrococcales-Microbacteriaceae-Hymenobacter_sp._Fur1_WP_144848362.1 Bacteria-Bacteroidetes-Cytophagia-Cytophagales-Hymenobacteraceae-Hymenobacter_gummosus_WP_126694215.1 — 100 98 Bacteria-Bacteroidetes-Cytophagia-Cytophagales-Hymenobacteraceae-NA_WP_072144860.1 Bacteria-NA-NA-NA-NA-bacterium_336_3_WP_054040425.1 Bacteria-Chlamydiae-Chlamydiia-Parachlamydiales-Parachlamydiaceae-Candidatus_Protochlamydia_amoebophila_WP_039359781.1 Bacteria-Chlamydiae-Chlamydiae-Parachlamydiales-Parachlamydiaceae-Parachlamydiaceae_bacterium_HST3_WP_042103104.1 Bacteria-Cyanobacteria-NA-Nostocales-Nostocaceae-Nostoc_linckia_WP_099073318.1 Paulinella Bacteria-Proteobacteria-Gammaproteobacteria-Alteromonadales-Alteromonadaceae-Glaciecola_sp._THG3.7_WP_124747153.1 Archaea Bacteria-Proteobacteria-Alphaproteobacteria-Rhodospirillales-Rhodospirillaceae-Inquilinus_sp._KBS0705_WP_138807621.1 Bacteria Bacteria-Spirochaetes-Spirochaetia-Leptospirales-Leptospiraceae-Leptospira_kobayashii_WP_109020685.1 Bacteria-Spirochaetes-Spirochaetia-Leptospirales-Leptospiraceae-NA_WP_100720654.1 Eukaryota Eukaryota-Acytosteliales-Acytosteliales-Acytosteliales-Acytosteliaceae-Acytostelium_subglobosum_XP_012749426.1 Viruses ——— Eukaryota-Dictyosteliales-Dictyosteliales-Dictyosteliales-Dictyosteliaceae-Dictyostelium_purpureum_jgi56591 ——— Eukaryota-Euglenida-NA-Eutreptiales-NA-Eutreptiella_gymnastica_MMETSP0039_c22786_g1_i1.p1 ——— Eukaryota-Palpitomonas-NA-NA-NA-Palpitomonas_bilix_MMETSP0780_c5289_g1_i1.p1 Eukaryota-Stramenopiles-Mediophyceae-Triceratiales-Triceratiaceae-Triceratium_dubium_MMETSP1175_c1837_g1_i1.p1 Eukaryota-Stramenopiles-NA-NA-NA-Odontella_aurita_MMETSP0015_c4312_g1_i1.p1 Eukaryota-Longamoebia-Longamoebia-Longamoebia-Acanthamoebidae-Acanthamoeba_castellanii_XP_004339812.1 92 Viruses-NA-NA-NA-Pandoravirus_neocaledonia_YP_009482187.1 ___Eukaryota-Alveolata-Dinophyceae-NA-Unranked-Amphidinium_carterae_MMETSP0258_c13855_g1_i1.p1 Eukaryota-Alveolata-Dinophyceae-NA-Unranked-Symbiodinium_sp_MMETSP1374_c27152_g1_i1.p1 ——— Eukaryota-Perkinsozoa-NA-Perkinsida-Perkinsidae-Perkinsus_marinus_XP_002773236.1 Eukaryota-Apicomplexa-NA-Unranked-NA-Lankesteria_abbottii_MMETSP0372_c13850_g1_i3.p1 —— Paulinella_ovalis_nuclear_SingleCell___SAG1_utg7180000020600.g9443.t1 Eukaryota-Chromeraceae-NA-NA-NA-Chromera velia MMETSP0290 c1055 g1 i1.p1 Eukaryota-Rhodophyta-Bangiophyceae-Cyanidiales-Cyanidiaceae-Galdieria_sulphuraria_Gsulp002_G4230.1 Eukaryota-Rhodophyta-Bangiophyceae-NA-NA-Rhodosorus_marinus_MMETSP0315_c5521_g1_i1.p1 Paulinella_ovalis_nuclear_SingleCell___SAG1_utg7180000007149.g3367.t1 Paulinella_chromatophora_CCAC0185_nuclear___scaffold13870-m89037 ু বুর্মি inella_chromatophora_CCAC0185_nuclear___scaffold34413-m148939 Paulinella_chromatophora_CCAC0185_nuclear___scaffold6407-m53968 47 Paulinella_chromatophora_CCAC0185_nuclear___scaffold11463-m79073 Eukaryota-Apusomonadidae-NA-NA-NA-Thecamonas_trahens_XP_013753183.1 —— Viruses-Pithoviridae-NA-NA-NA-Cedratvirus_A11_YP_009329082.1 —— 100 Viruses-Pithoviridae-NA-NA-Pithovirus_sibericum_YP_009001342.1 Eukaryota-Retaria-NA-NA-NA-Rosalina_sp_MMETSP0190_c20074_g1_i1.p1 Eukaryota-Retaria-NA-NA-NA-Sorites_sp_MMETSP0191_c28091_g1_i1.p1 Eukaryota-Ciliophora-Oligohymenophorea-Peniculida-Parameciidae-Paramecium_tetraurelia_XP_001454302.1 Eukaryota-Cryptophyta-NA-Cryptomonadales-Hemiselmidaceae-Hemiselmis_andersenii_MMETSP1041_c22070_g1_i1.p1 Eukaryota-Cryptophyta-NA-Pyrenomonadales-Pyrenomonadaceae-Rhodomonas_lens_MMETSP0484_c52997_g1_i1.p1 Eukaryota-Glaucophyta-Glaucophyta-Gloeochaetales-Gloeochaetaceae-Gloeochaete_wittrockiana_MMETSP1089_c29634_g1_i1.p1 Eukaryota-Glaucophyta-Glaucophyta-NA-NA-Cyanoptyche_gloeocystis_MMETSP1086_c12340_g1_i1.p1 ——— Eukaryota-Cercozoa-Chlorarachniophyceae-NA-NA-Chlorarachnion_reptans_MMETSP0109_c8769_g1_i1.p1 Eukaryota-Cercozoa-Chlorarachniophyceae-NA-NA-Partenskyella_glossopodia_MMETSP1318_c21982_g1_i1.p1 Eukaryota-Amoebozoa-NA-NA-Paramoebidae-Neoparamoeba_aestuarina_MMETSP0161_c12153_g1_i1.p1 Eukaryota-Amoebozoa-NA-NA-Paramoebidae-Paramoeba_atlantica_MMETSP0151_c2066_g1_i1.p1 Eukaryota-Euglenida-NA-NA-Unranked-Neobodo_designis_MMETSP1114_c7987_g1_i1.p1 Eukaryota-Ciliophora-NA-Unranked-NA-Platyophrya_macrostoma_MMETSP0127_c15883_g1_i1.p1 Eukaryota-Kinetoplastida-Kinetoplastida-Kinetoplastida-Trypanosomatidae-Trypanosoma_theileri_XP_028880014.1 Eukaryota-Haptophyta-NA-Prymnesiales-NA-Chrysochromulina_ericina_MMETSP1096_c50126_g1_i1.p1 Eukaryota-Haptophyta-NA-Prymnesiales-NA-Prymnesium_parvum_MMETSP0006_c37321_g1_i1.p1 ———— Viruses-Mimiviridae-NA-NA-NA-Cafeteria_roenbergensis_virus_YP_003970085.1 Viruses-Phycodnaviridae-NA-NA-Bmiliania huxleyi virus 86 YP 293780.1 Eukaryota-Chlorophyta-NA-NA-Picochlorum_oklahomensis_MMETSP1161_c9761_g1_i1.p1 79 _____ Eukaryota-Chlorophyta-Palmophyllophyceae-Prasinococcales-Prasinococcaceae-Prasinoderma_coloniale_MMETSP0806_c2367_g1_i1.p2 90 Eukaryota-Streptophyta-NA-Fabales-Fabaceae-Abrus_precatorius_XP_027352154.1 Eukaryota-Streptophyta-NA-Fabales-Fabaceae-Glycine_soja_XP_028207738.1 ———— Viruses-Phycodnaviridae-NA-NA-NA-Chrysochromulina_ericina_virus_YP_009173500.1 ——————— Eukaryota-Heterolobosea-NA-NA-Vahlkampfiidae-Naegleria_gruberi_jgi56348 Eukaryota-Annelida-Clitellata-Hirudinida-Glossiphoniidae-Helobdella_robusta_jgi154313 71 Viruses-Ascoviridae-NA-NA-NA-Trichoplusia_ni_ascovirus_2c_YP_803312.1 Viruses-Nimaviridae-NA-NA-NA-White_spot_syndrome_virus_YP_009220535.1 — Eukaryota-Priapulida-Priapulimorpha-Priapulimorphida-Priapulidae-Priapulus_caudatus_XP_014662021.1 Viruses-Baculoviridae-NA-NA-NA-Lymantria_xylina_nucleopolyhedrovirus_YP_003517877.1 Viruses-Nudiviridae-NA-NA-NA-Heliothis_zea_nudivirus_YP_004956813.1 Eukaryota-Brachiopoda-Lingulata-Lingulida-Lingulidae-Lingula_anatina_XP_013417055.1 Eukaryota-Porifera-Demospongiae-Haplosclerida-Niphatidae-Amphimedon_queenslandica_XP_011406825.2 Viruses-Poxviridae-NA-NA-NA-Cowpox_virus_NP_619839.1
100 Viruses-Poxviridae-NA-NA-NA-Yokapox_virus_YP_004821373.1 ——— Viruses-Hytrosaviridae-NA-NA-NA-Musca_hytrovirus_YP_001883390.1 ——— Viruses-Iridoviridae-NA-NA-NA-Scale_drop_disease_virus_YP_009163813.1 Eukaryota-Nematoda-Enoplea-Trichinellida-Trichinellidae-Trichinella_spiralis_XP_003374906.1 — Viruses-Alloherpesviridae-NA-NA-NA-Cyprinid_herpesvirus_3_YP_001096062.1 Eukaryota-Microsporidia-NA-NA-Ordosporidae-Ordospora_colligata_XP_014563615.1 Viruses-NA-NA-NA-Bufonid_herpesvirus_1_YP_009552879.1 — Viruses-Alloherpesviridae-NA-NA-NA-Anguillid_herpesvirus_1_YP_003358235.1 — Viruses-Mimiviridae-NA-NA-NA-Moumouvirus_YP_007354487.1 Viruses-Asfarviridae-NA-NA-NA-African_swine_fever_virus_NP_042738.1 Viruses-Marseilleviridae-NA-NA-NA-Lausannevirus_YP_004347240.1 Viruses-Marseilleviridae-NA-NA-NA-Melbournevirus_YP_009094740.1 — Viruses-Herpesviridae-NA-NA-NA-Columbid_alphaherpesvirus_1_YP_009046538.1 Viruses-Herpesviridae-NA-NA-NA-Gallid_alphaherpesvirus_2_YP_001033969.1 — Viruses-Malacoherpesviridae-NA-NA-NA-Haliotid_herpesvirus_1_YP_006908681.1 Viruses-Malacoherpesviridae-NA-NA-NA-Ostreid_herpesvirus_1_YP_024565.1 Bacteria-Acidobacteria-Acidobacteriia-Bryobacterales-Bryobacteraceae-Bryobacter_aggregatus_WP_031496451.1 - Bacteria-Actinobacteria-Actinobacteria-Streptosporangiales-Thermomonosporaceae-Actinomadura_roseirufa_WP_131738891.1 — Viruses-Herelleviridae-NA-NA-NA-Bacillus_virus_Camphawk_YP_008770002.1 Viruses-Myoviridae-NA-NA-NA-Bacillus_phage_0305phi836_YP_001429715.1 — Viruses-Herelleviridae-NA-NA-NA-Listeria_virus_A511_YP_001468505.1 — Viruses-Myoviridae-NA-NA-NA-Delftia virus PhiW14 YP 003358881.1 —— Viruses-Podoviridae-NA-NA-NA-Alteromonas_phage_vB_AmaP_AD45P1_YP_008126085.1 — Viruses-Podoviridae-NA-NA-NA-Podovirus_Lau218_YP_009042163.1 Viruses-Siphoviridae-NA-NA-NA-Caulobacter_virus_Magneto_YP_006988790.1 — Viruses-Siphoviridae-NA-NA-NA-Sphingobium_virus_Lacusarx_YP_009600762.1 Archaea-Euryarchaeota-Halobacteria-Haloferacales-Haloferacaceae-Halobellus_sp._ZY21_WP_122105635.1

Archaea-Euryarchaeota-Halobacteria-Haloferacales-Halorubraceae-Halorubrum_lipolyticum_WP_008005803.1 0.70