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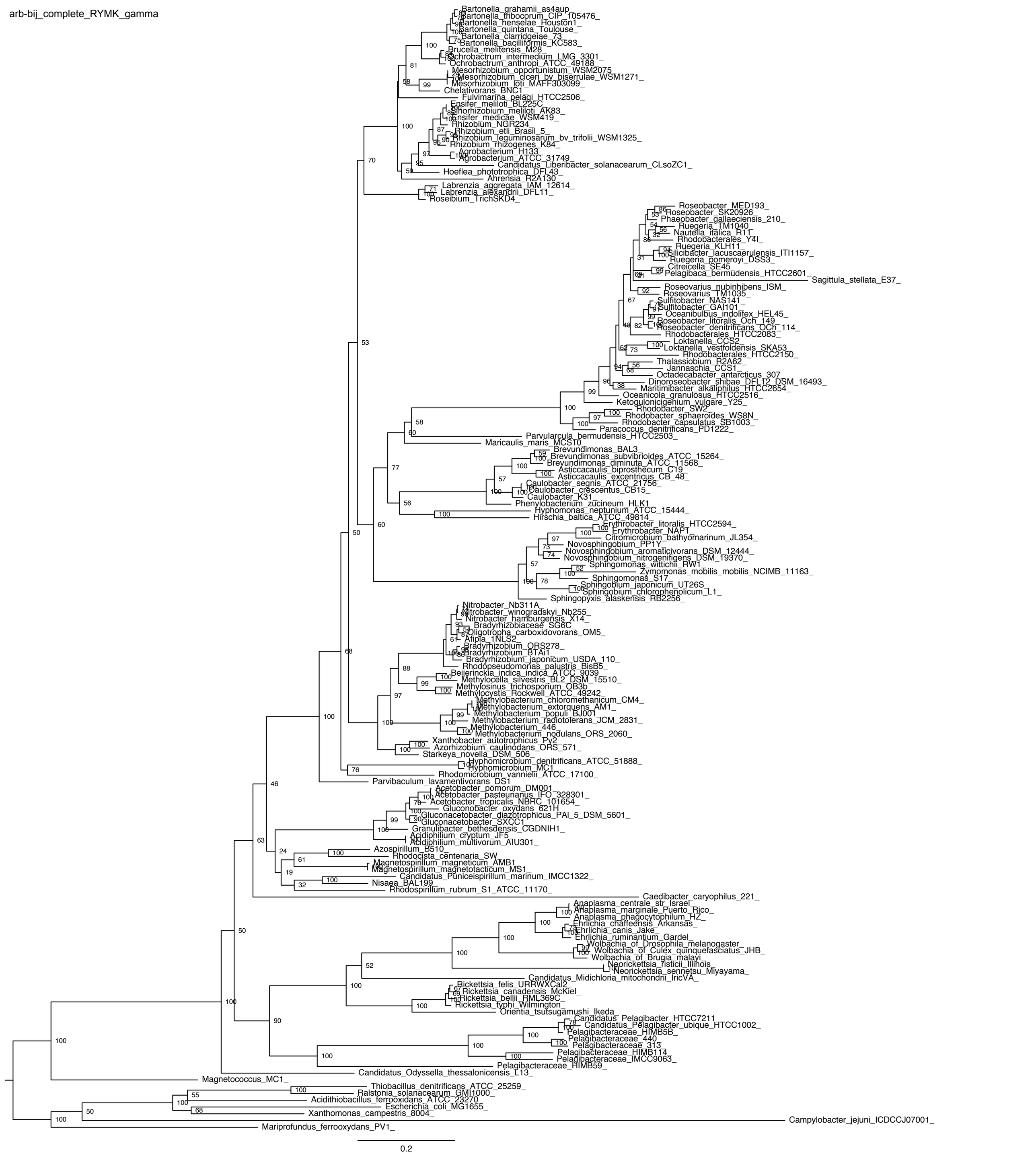

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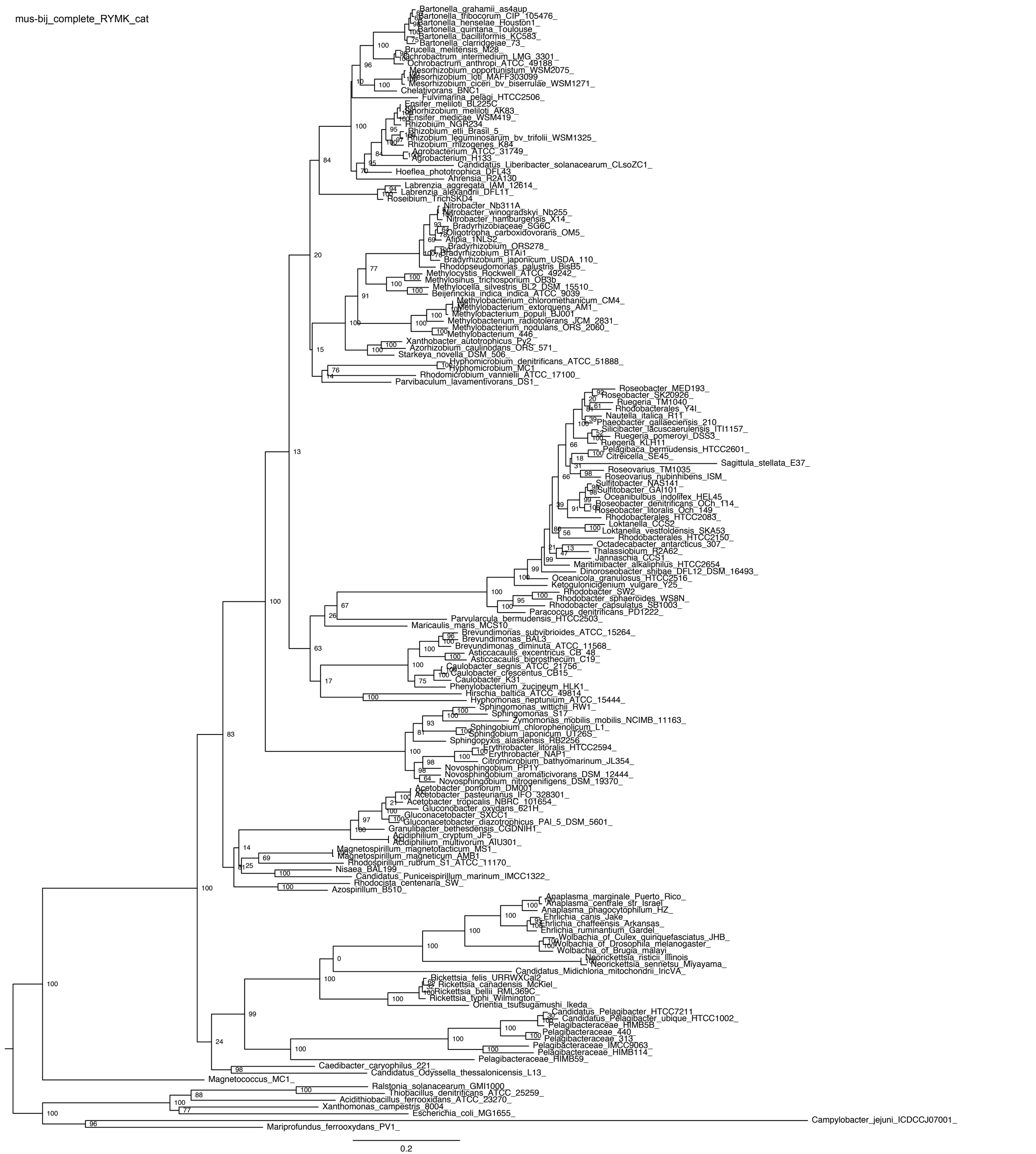

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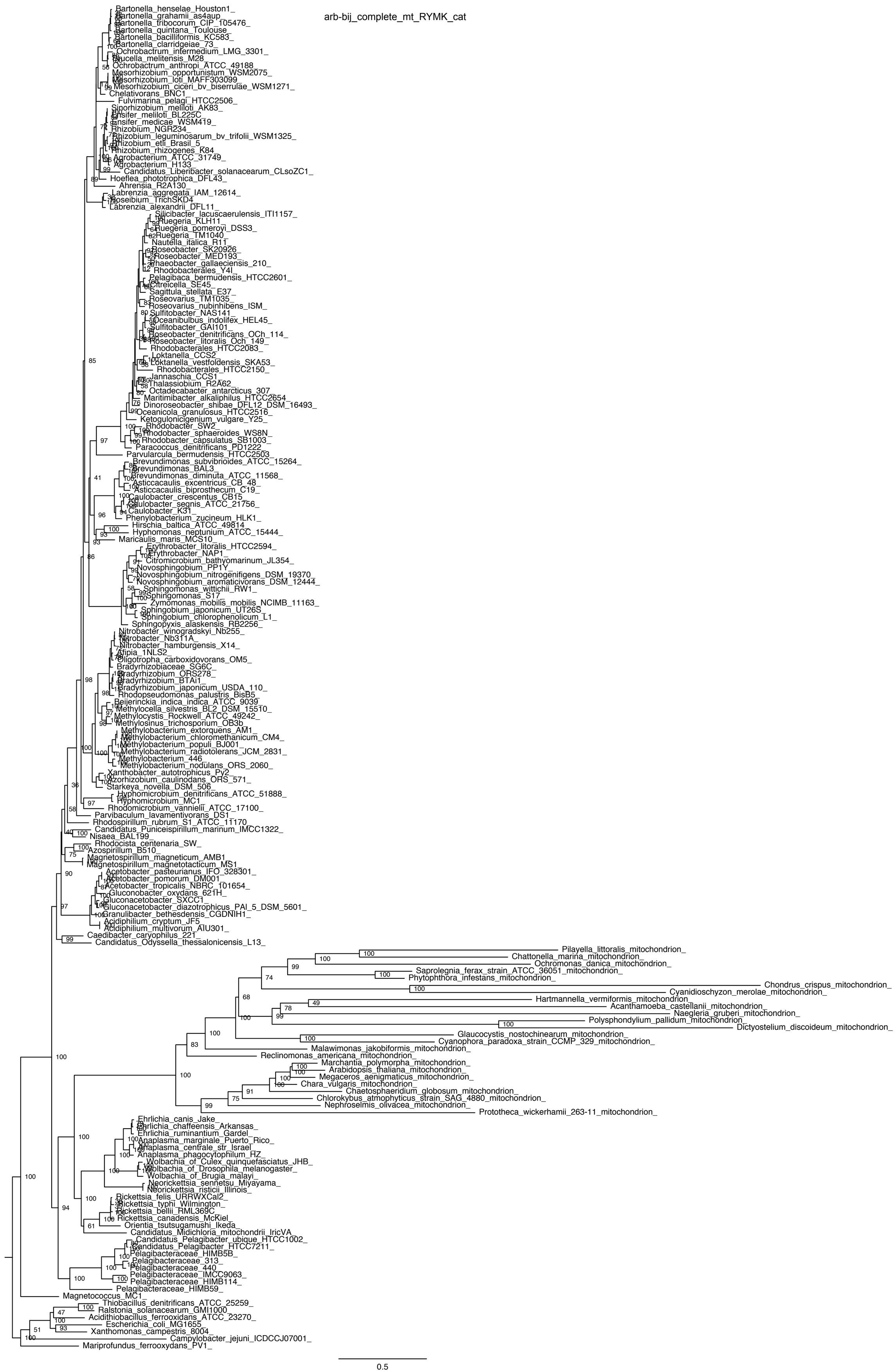

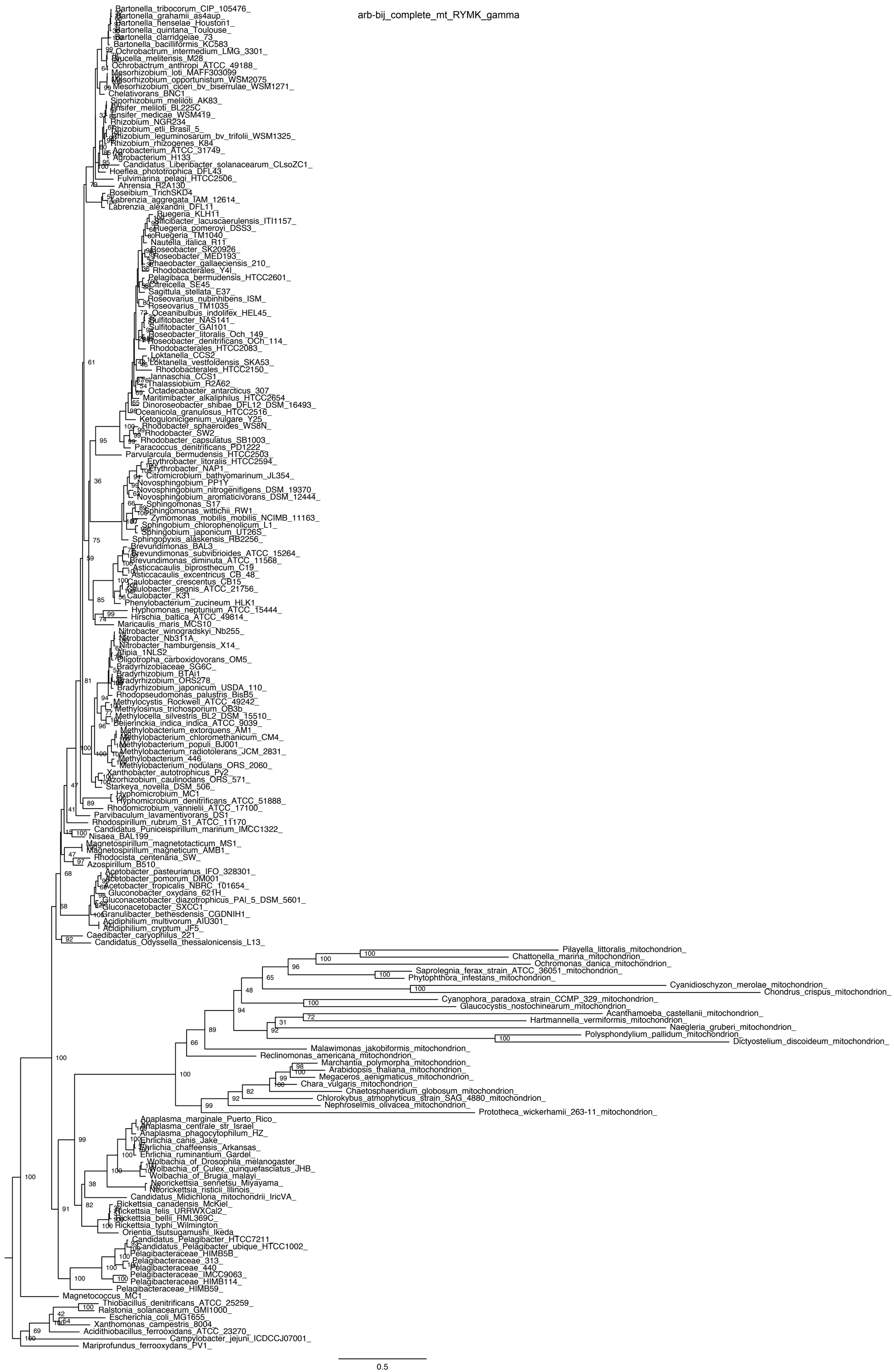
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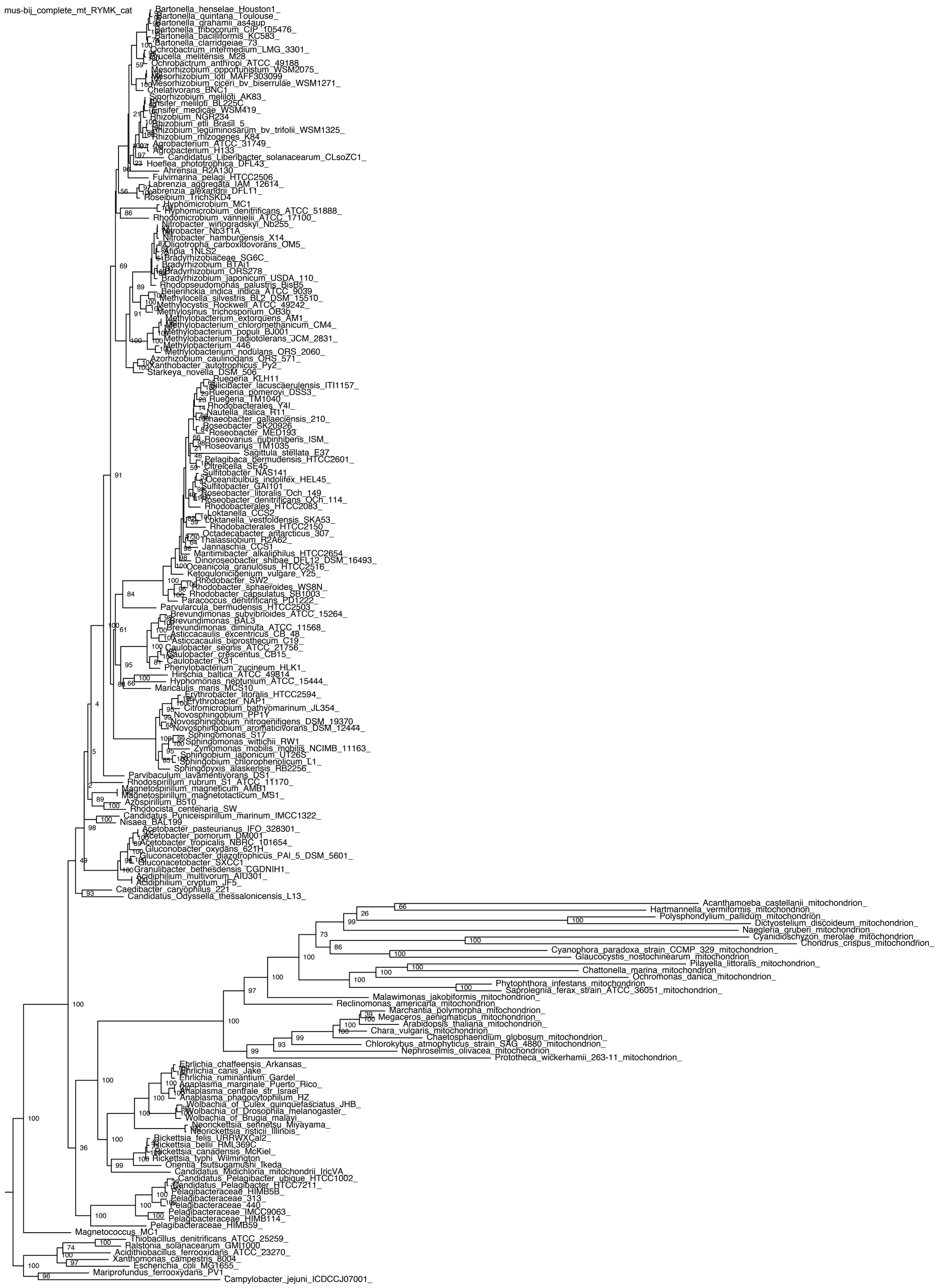
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Novosphingobium_PP1Y_
Novosphingobium_nitrogenifigens_DSM_19370_
Novosphingobium_aromaticivorans_DSM_12444_
Sphingomonas_wittichii_RW1_
Sphingomonas_S17_
Zymomonas_mobilis_mobilis_NCIMB_11163_
Sphingobium_japonicum_UT26S_
Sphingobium_chlorophenolicum_L1_
Sphingopyxis_alaskensis_RB2256_
Rhodospirillum_rubrum_S1_ATCC_11170_
Candidatus_Puniceispirillum_marinum_IMCC1322_
Nisaea_BAL199_
Rhodocista_centenaria_SW_
Azospirillum_B510_
Magnetospirillum_magneticum_AMB1_
Magnetospirillum_magnetotacticum_MS1_
Acetobacter_pasteurianus_IFO_328301_
Acetobacter_pomorum_DM001_
Acetobacter_tropicalis_NBRC_101654_
Gluconobacter_oxydans_621H_
Gluconacetobacter_diazotrophicus_PAI_5_DSM_5601_
Gluconacetobacter_SXCC1_
Granulibacter_bethesdensis_CGDNIH1_
Acidiphilium_multivorum_AIU301_
Acidiphilium_cryptum_JF5_
Candidatus_Odyssella_thessalonicensis_L13_
Caedibacter_caryophilus_221_
Acanthamoeba_castellanii_mitochondrion_
Hartmannella_vermiformis_mitochondrion_
Naegleria_gruberi_mitochondrion_
Dictyostelium_discoideum_mitochondrion_
Polysphondylium_pallidum_mitochondrion_
Cyanidioschyzon_merolae_mitochondrion_
Chondrus_crispus_mitochondrion_
Cyanophora_paradoxa_strain_CCMP_329_mitochondrion_
Glaucocystis_nostochinearum_mitochondrion_
Chattonella_marina_mitochondrion_
Pilayella_littoralis_mitochondrion_
Ochromonas_danica_mitochondrion_
Saprolegnia_ferax_strain_ATCC_36051_mitochondrion_
Phytophthora_infestans_mitochondrion_
Malawimonas_jakobiformis_mitochondrion_
Reclinomonas_americana_mitochondrion_
Marchantia_polymorpha_mitochondrion_
Megaceros_aenigmaticus_mitochondrion_
Arabidopsis_thaliana_mitochondrion_
Chara_vulgaris_mitochondrion_
Chaetosphaeridium_globosum_mitochondrion_
Chlorokybus_atmophyticus_strain_SAG_4880_mitochondrion_
Nephroselmis_olivacea_mitochondrion_
Prototheca_wickerhamii_263-11_mitochondrion_
Anaplasma_centrale_str_Israel_
Anaplasma_marginale_Puerto_Rico_
Anaplasma_phagocytophilum_HZ_
Ehrlichia_chaffeensis_Arkansas_
Ehrlichia_canis_Jake_
Ehrlichia_ruminantium_Gardel_
Wolbachia_of_Culex_quinquefasciatus_JHB_
Wolbachia_of_Drosophila_melanogaster_
Wolbachia_of_Brugia_malayi_
Neorickettsia_sennetsu_Miyayama_
Neorickettsia_risticii_Illinois_
Rickettsia_felis_URRWXCal2_
Rickettsia_canadensis_McKiel_
Rickettsia_bellii_RML369C_
Rickettsia_typhi_Wilmington_
Orientia_tsutsugamushi_Ikeda_
Candidatus_Midichloria_mitochondrii_IricVA_
Candidatus_Pelagibacter_ubique_HTCC1002_
Candidatus_Pelagibacter_HTCC7211_
Pelagibacteraceae_HIMB5B_
Pelagibacteraceae_440_
Pelagibacteraceae_313_
Pelagibacteraceae_IMCC9063_
Pelagibacteraceae_HIMB114_
Pelagibacteraceae_HIMB59_
Magnetococcus_MC1_
Thiobacillus_denitrificans_ATCC_25259_
Ralstonia_solanacearum_GMI1000_
Acidithiobacillus_ferrooxidans_ATCC_23270_
Xanthomonas_campestris_8004_
Escherichia_coli_MG1655_
Campylobacter_jejuni_ICDCCJ07001_
Mariprofundus_ferrooxydans_PV1_
0.4