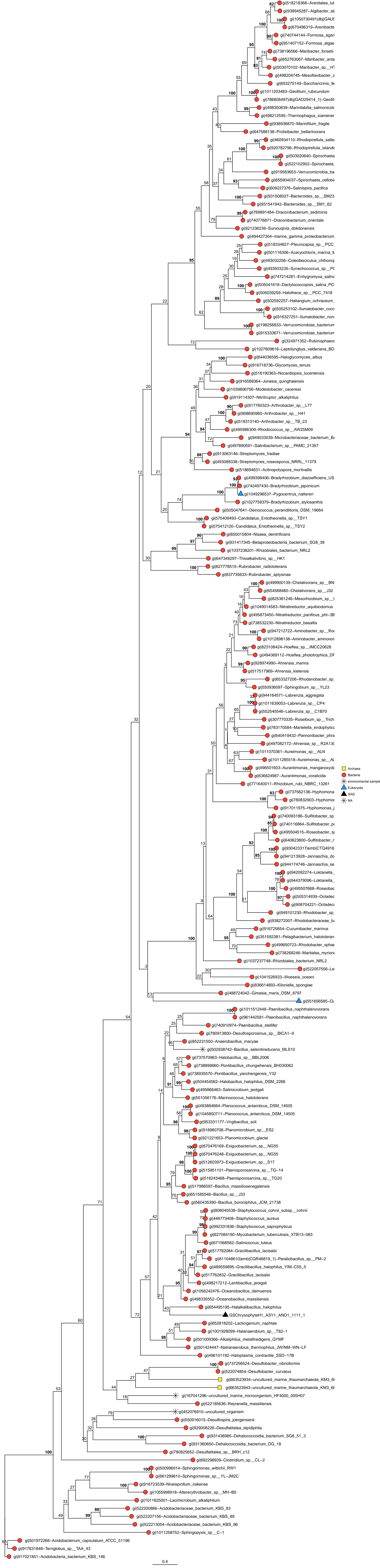
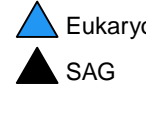
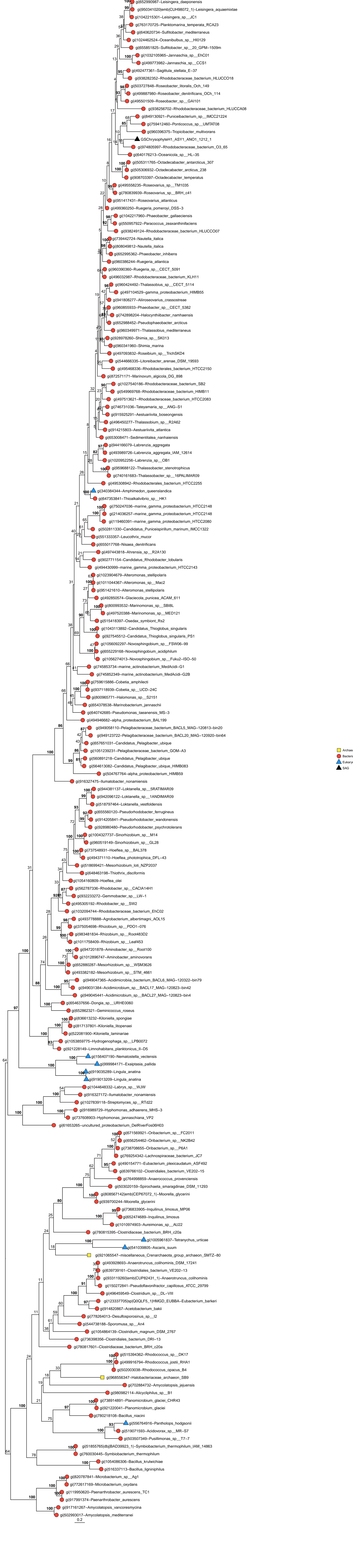
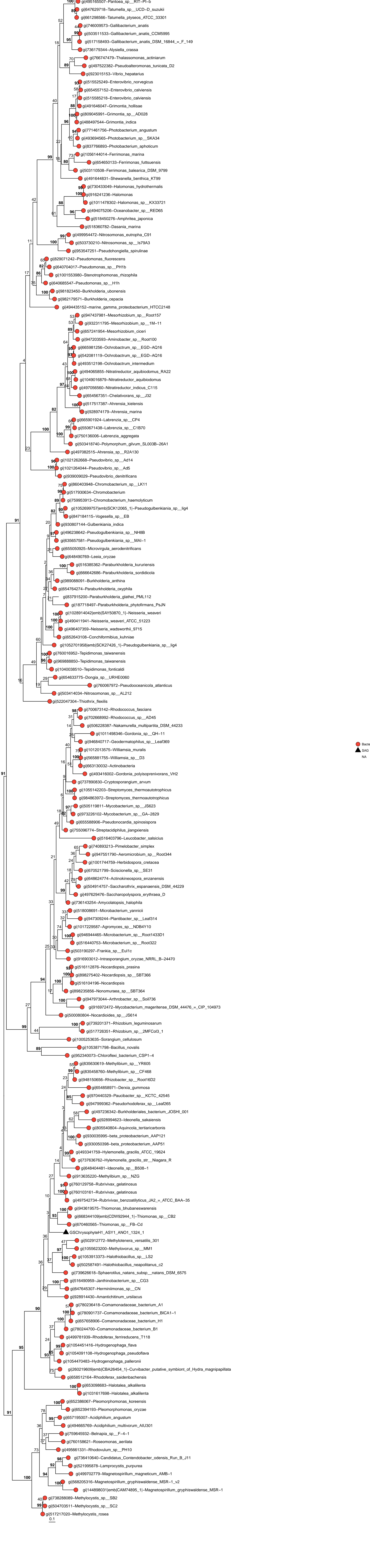


● Bacteria
▲ SAG

0.1

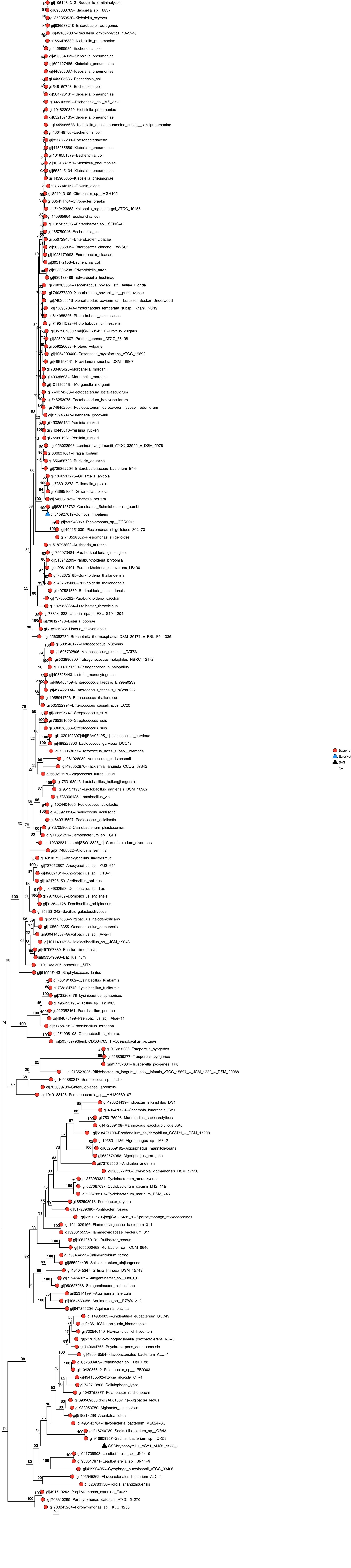


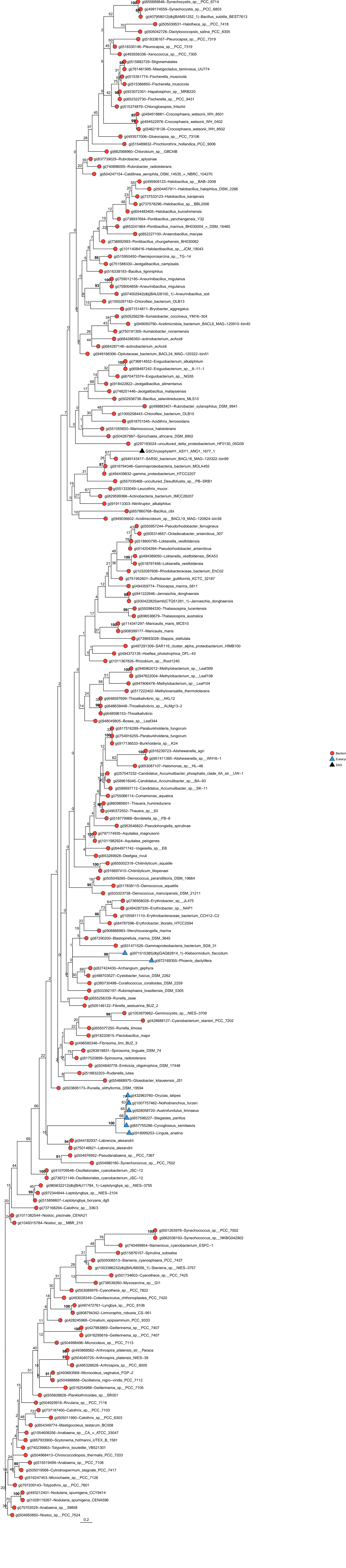




● Bacteria
▲ SAG
NA

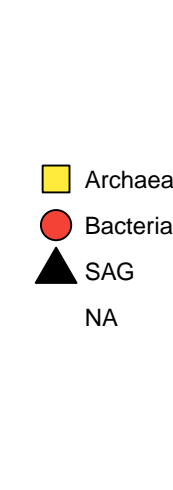
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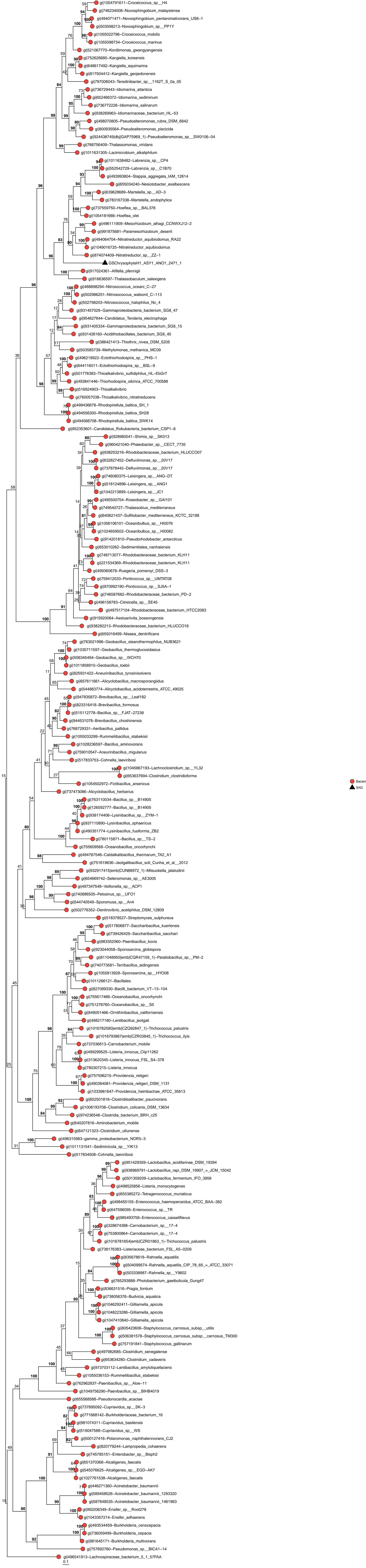




● Bacteria
 ▲ Eukaryota
 ▲ SAG

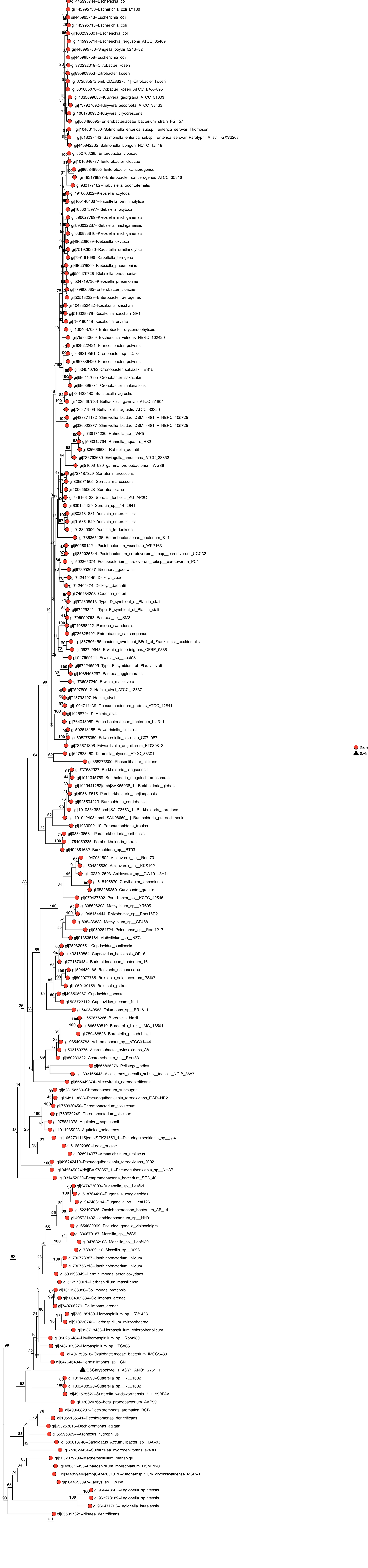
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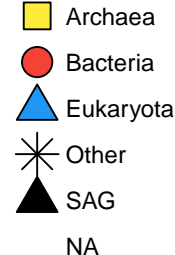
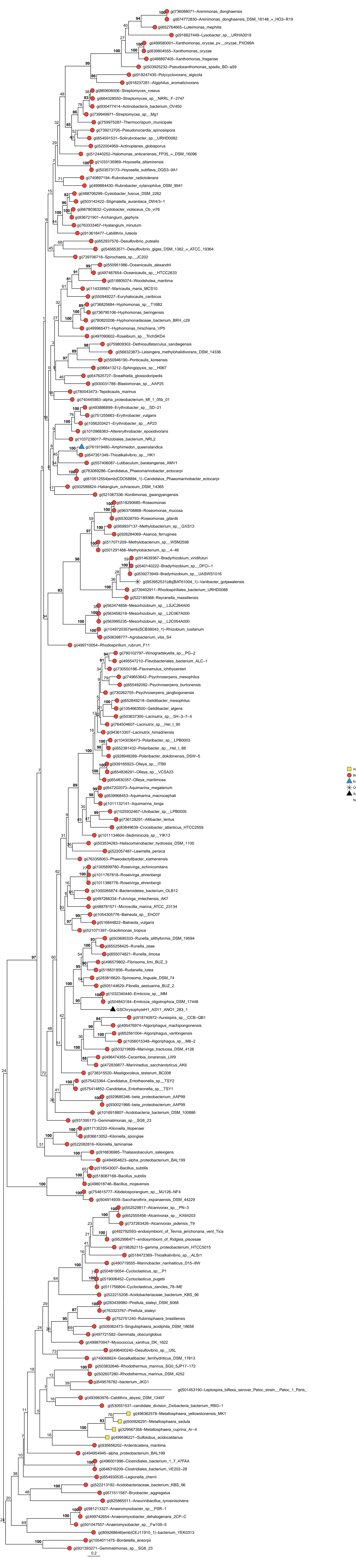


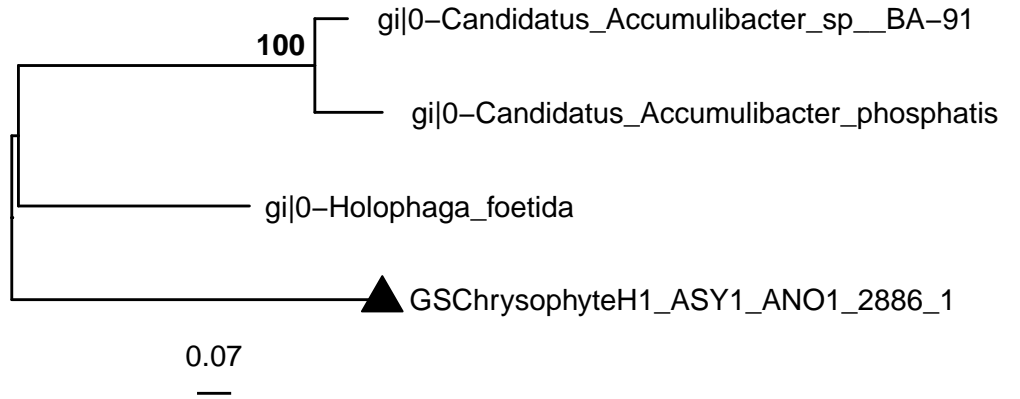


● Bacteria
▲ SAG

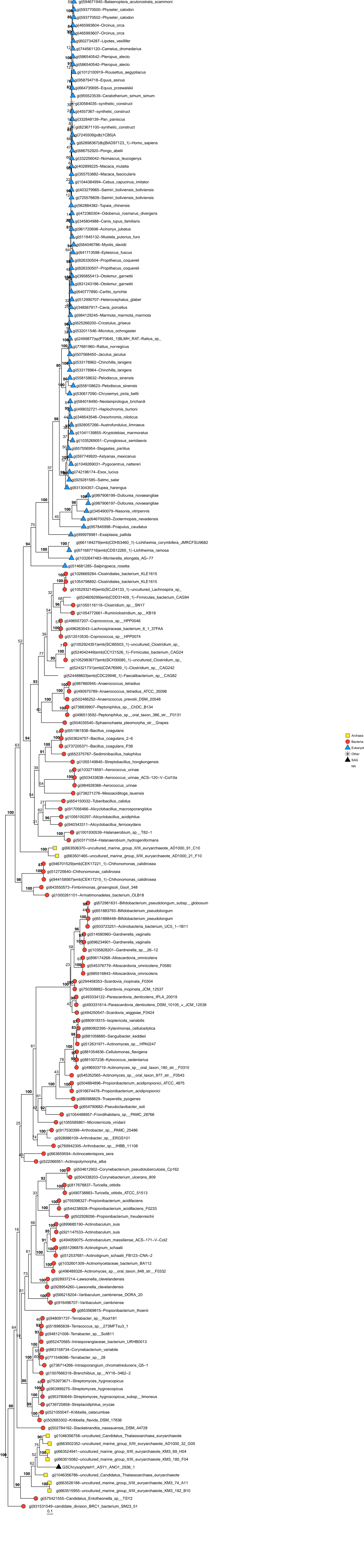
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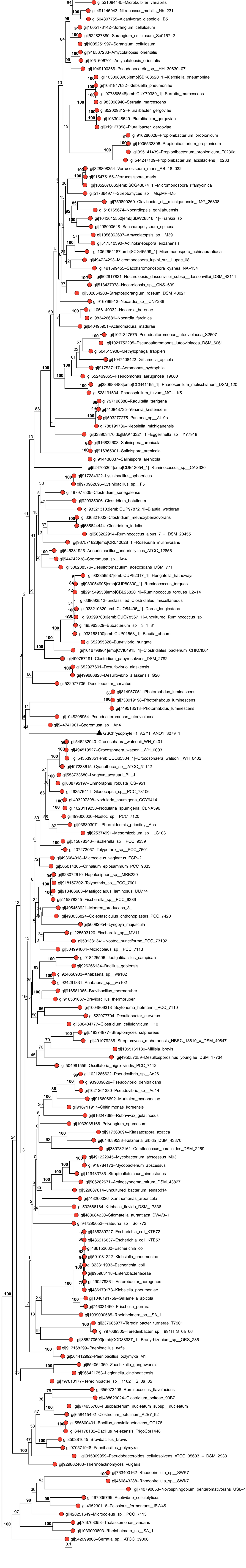


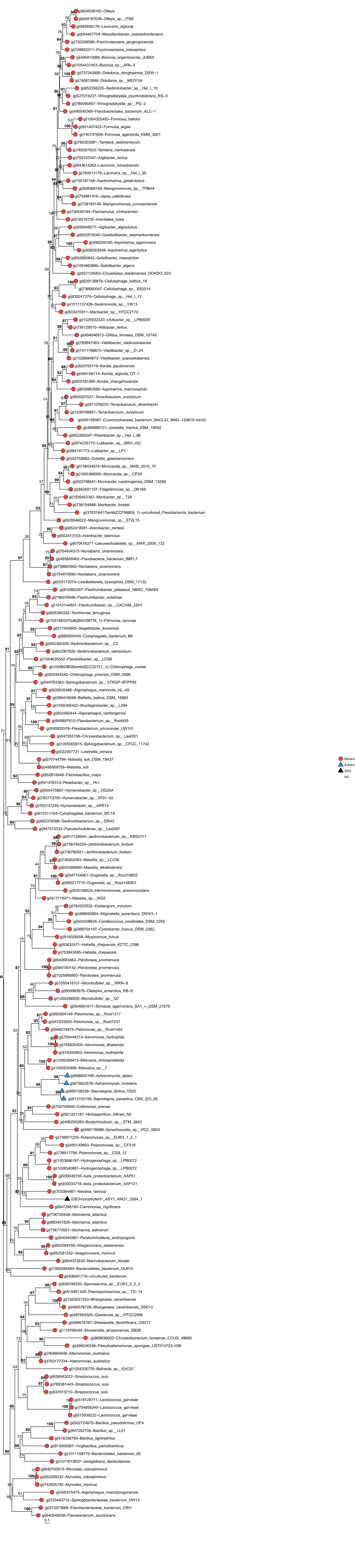


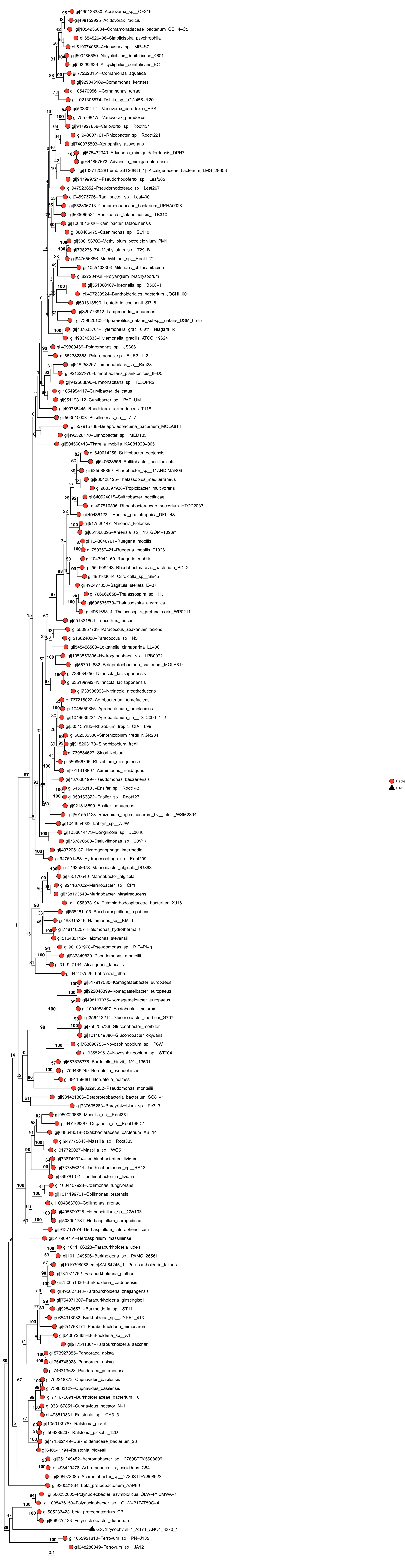


▲ SAG
NA

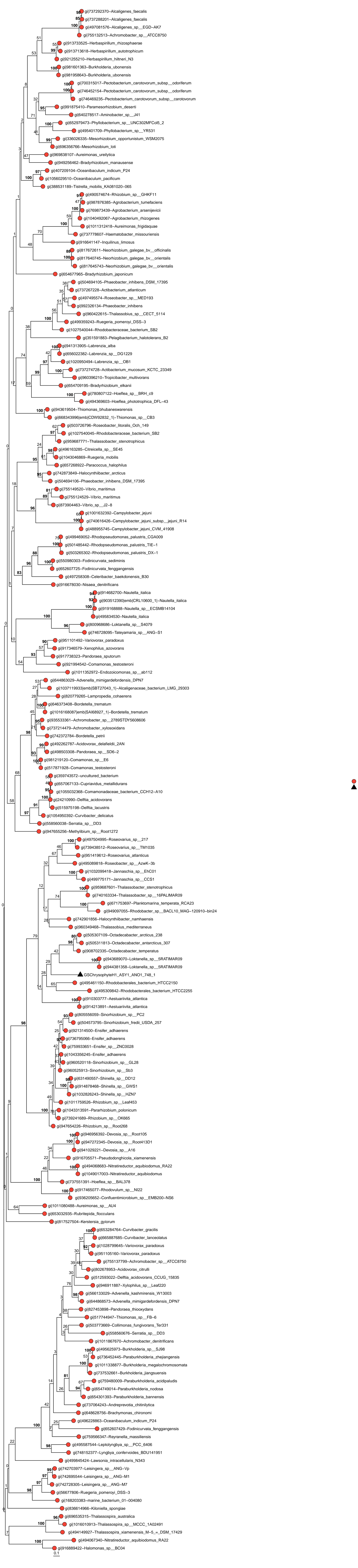


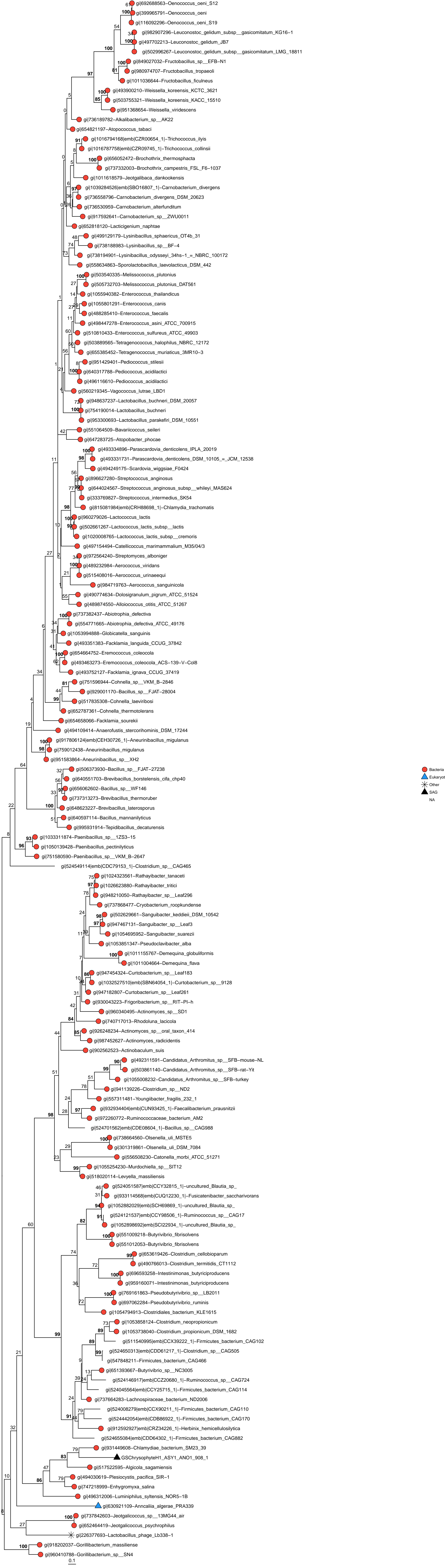


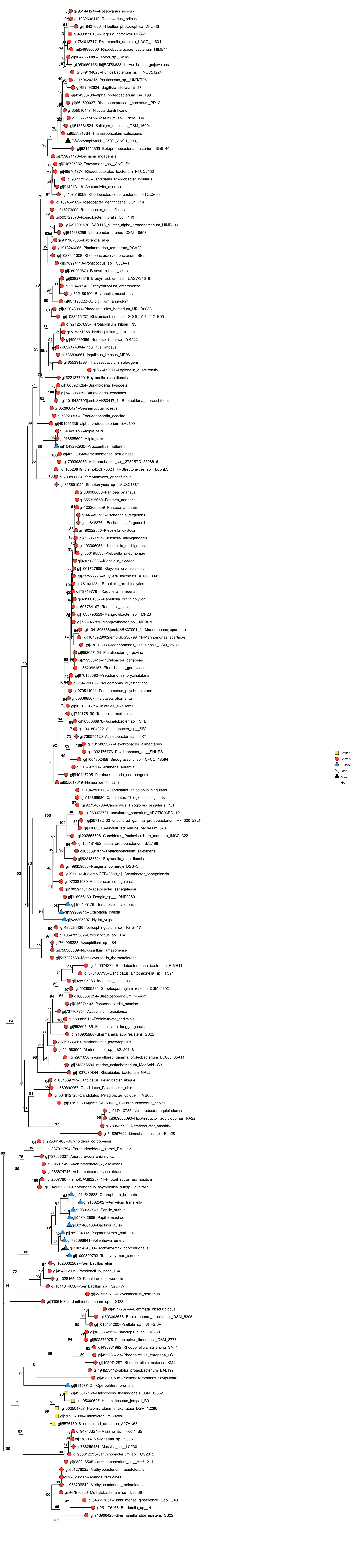


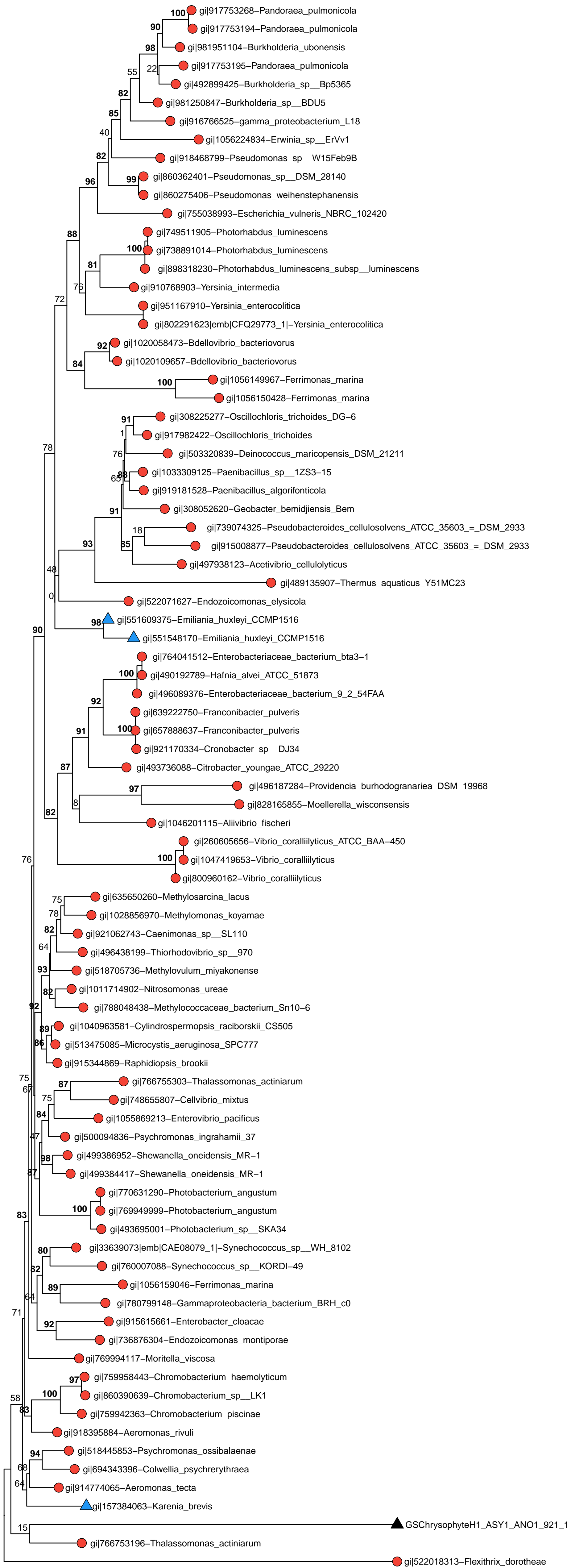


● Bacteria
▲ SAG

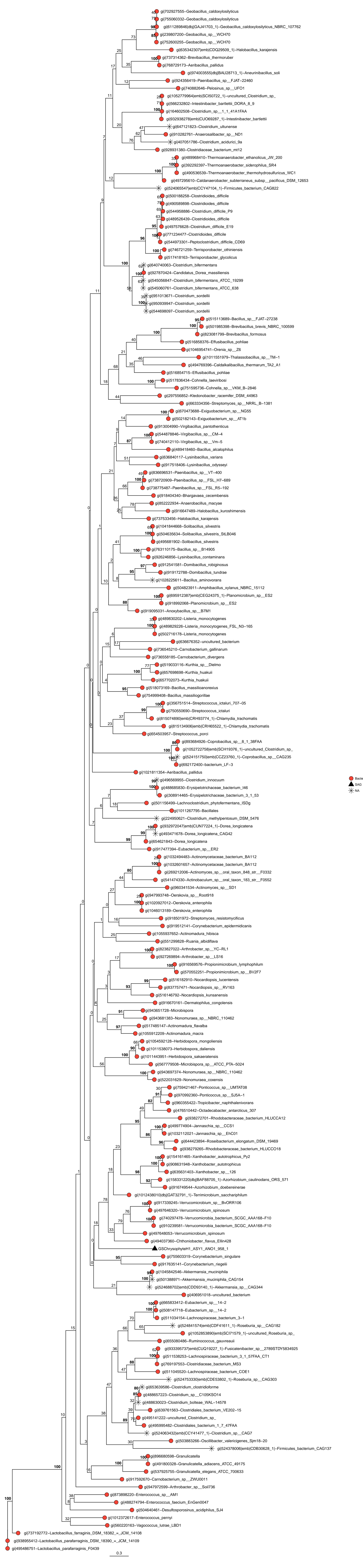






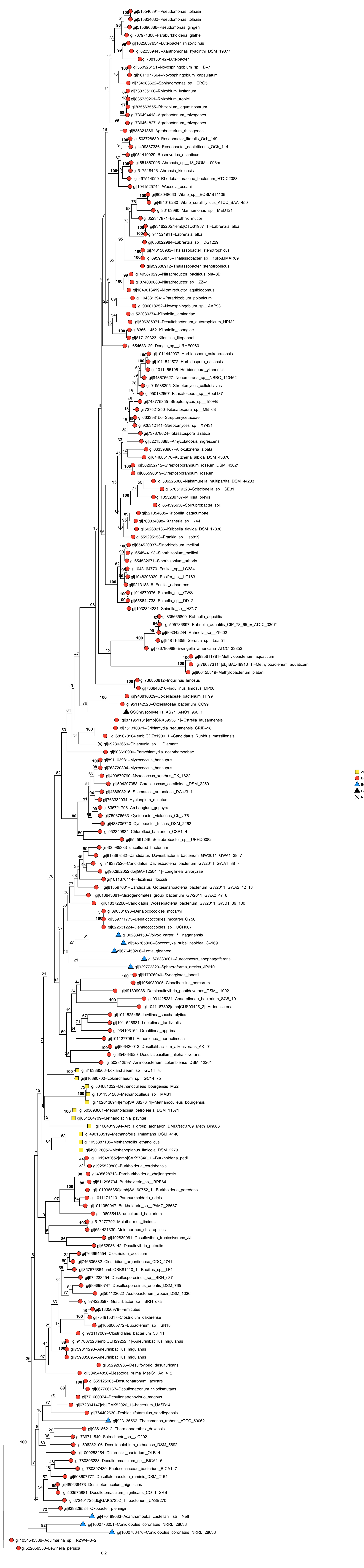


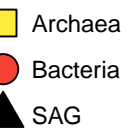
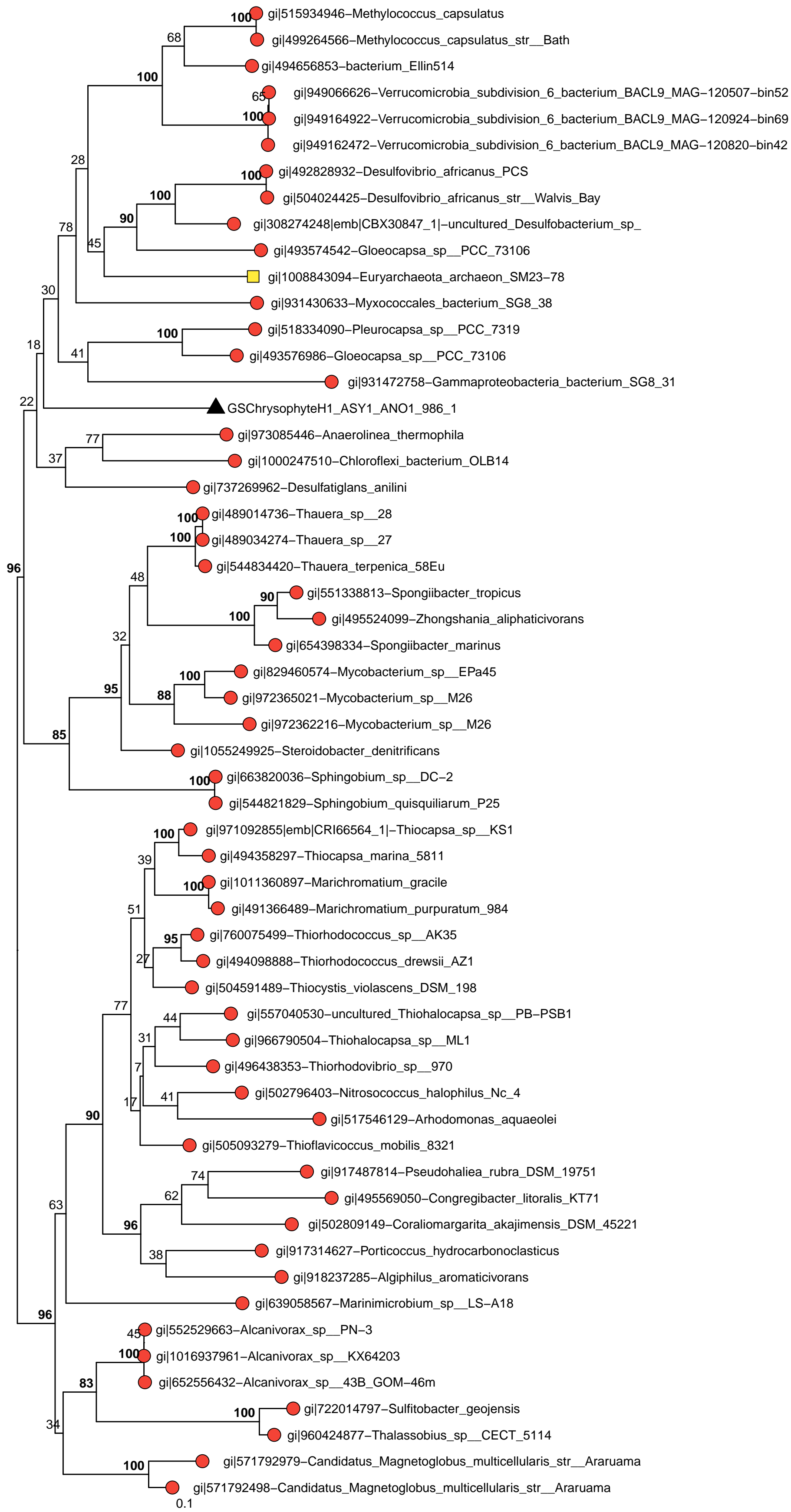
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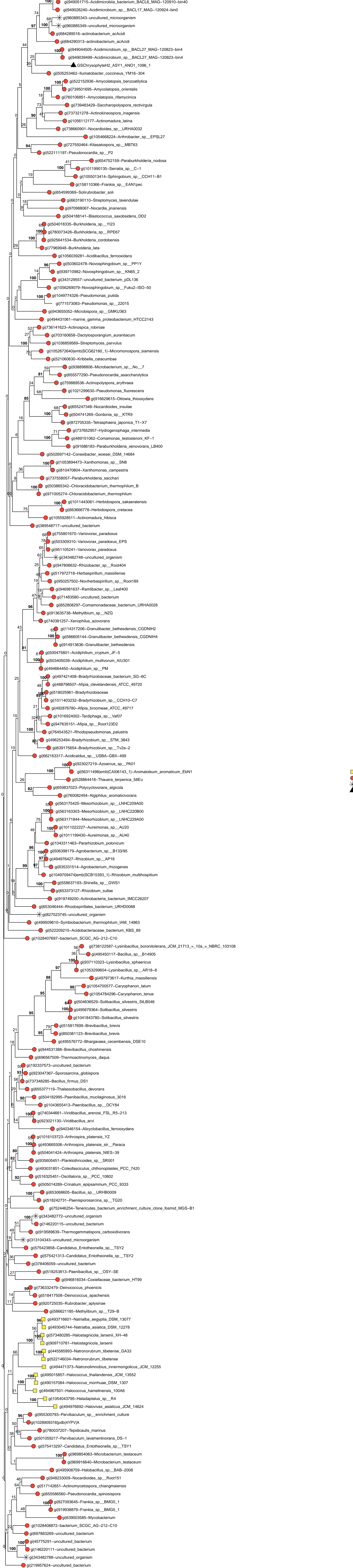


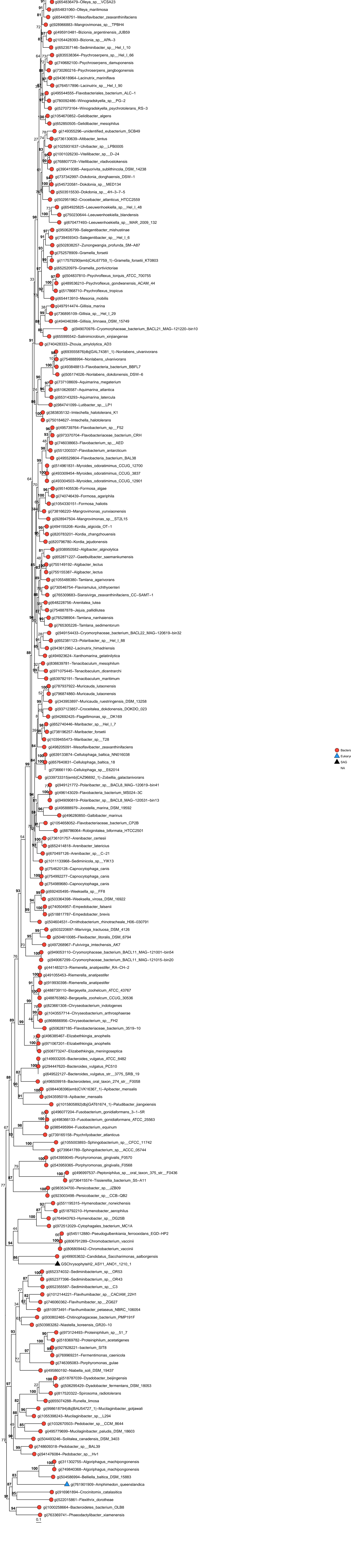
● Bacteria
▲ SAG
✱ NA

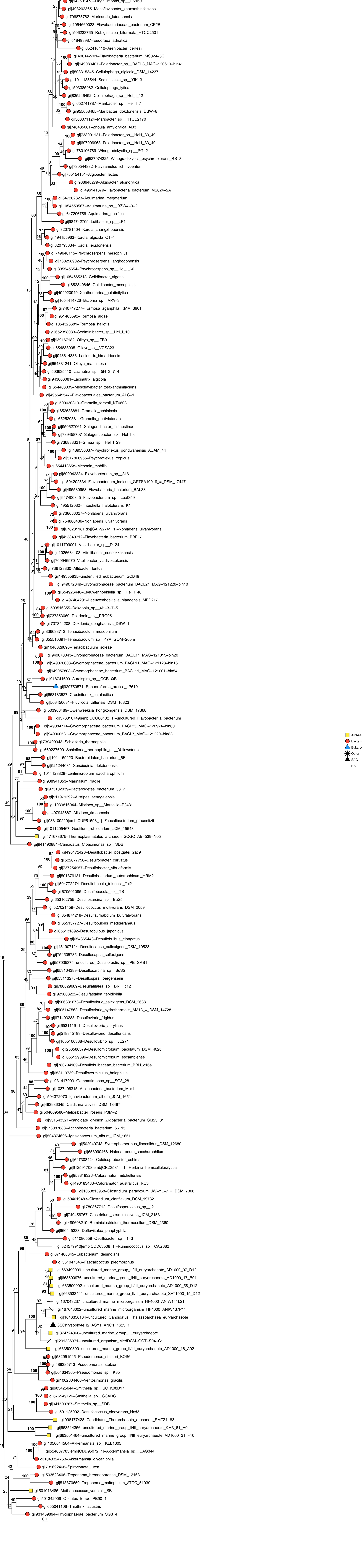
100
 0.3
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 gij93895412-Lactobacillus_parafarraginis_DSM_18390 = JCM_14109
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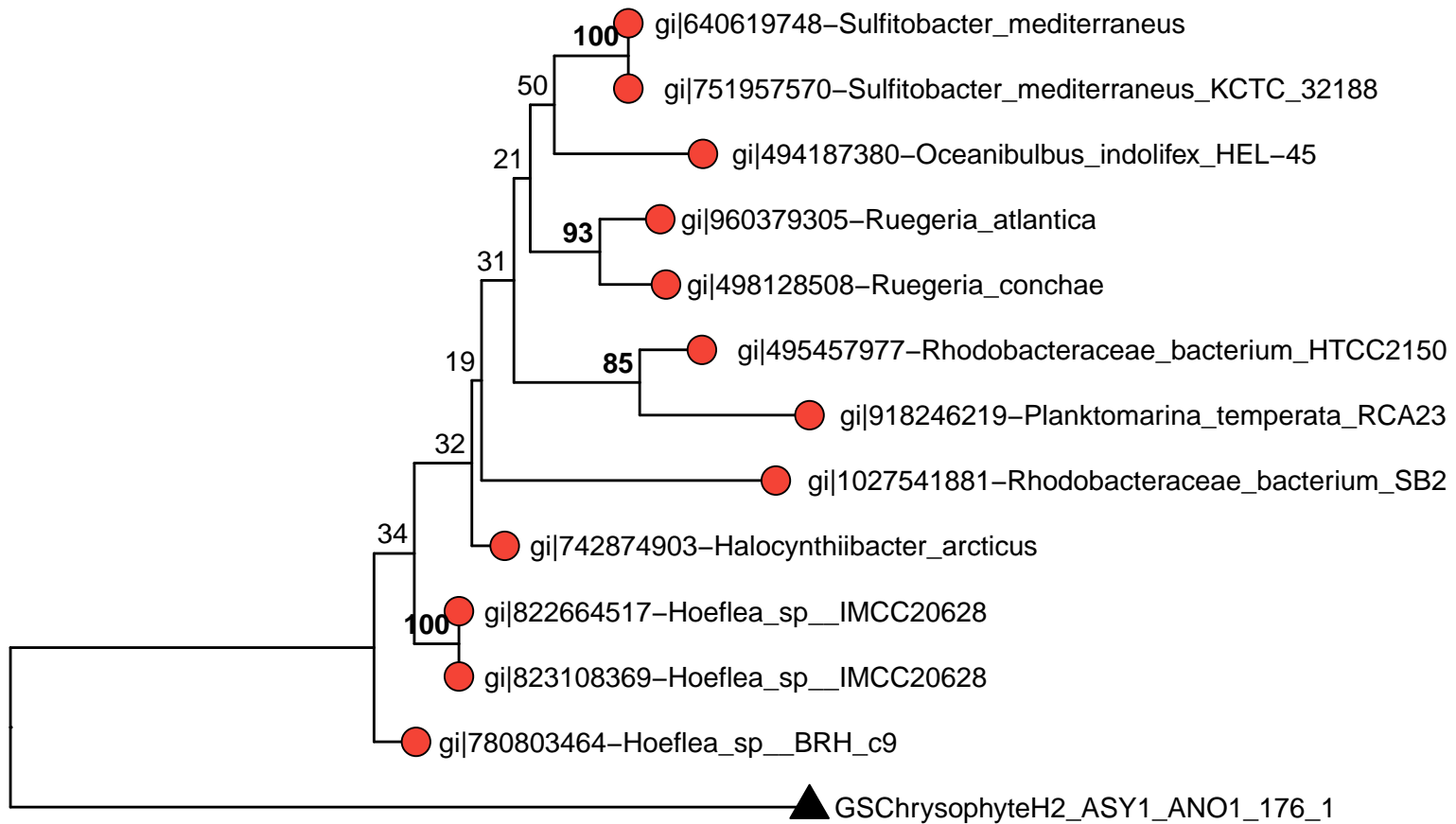






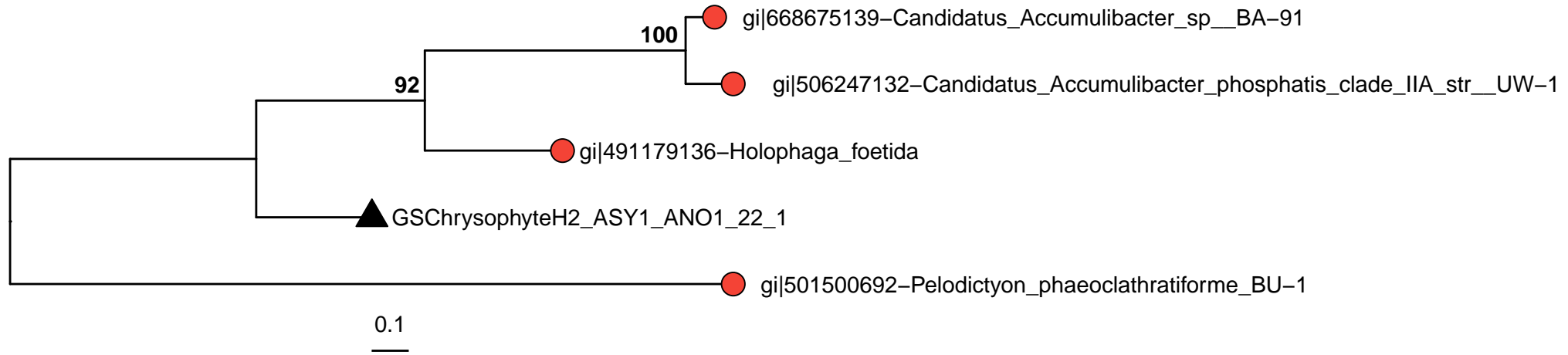




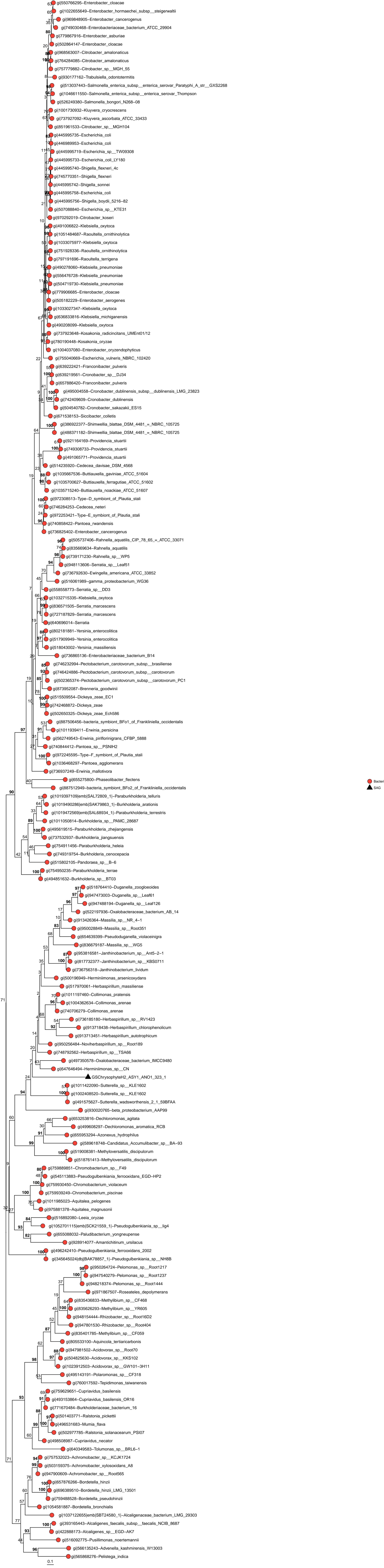


● Bacteria
▲ SAG

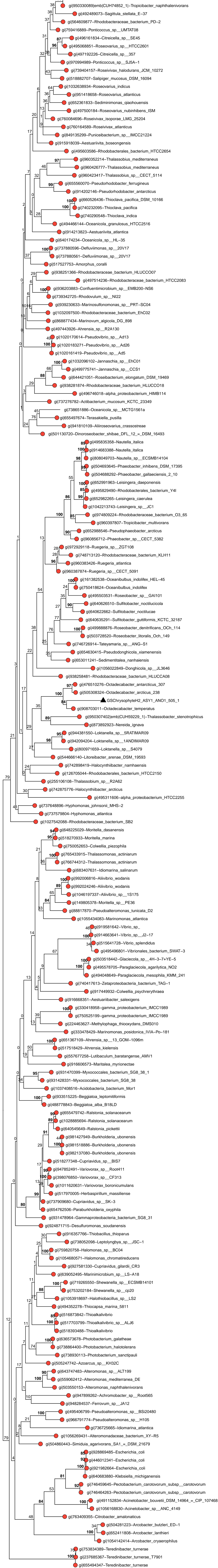
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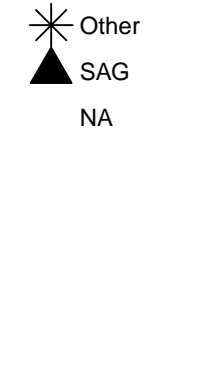
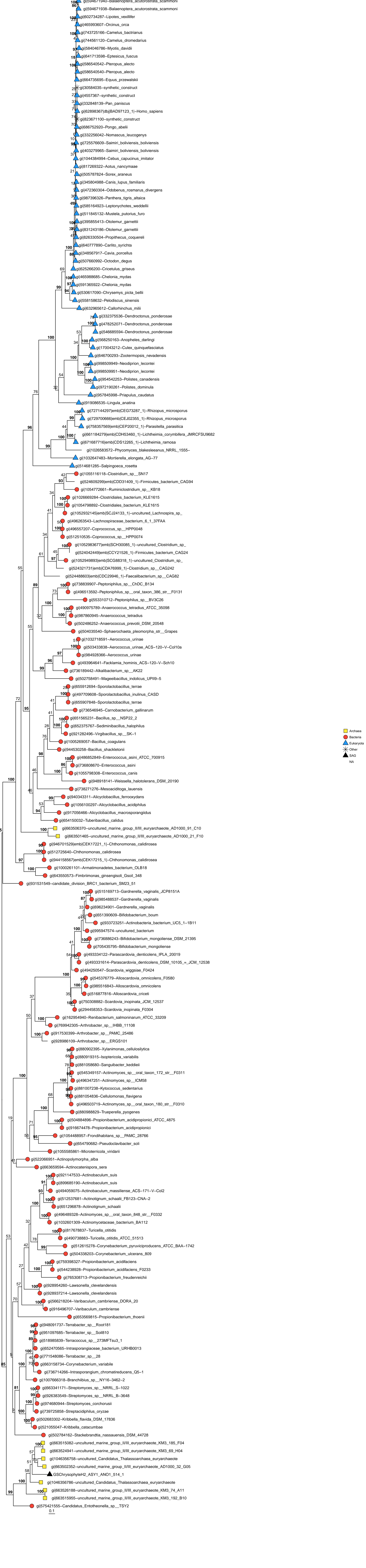
● Bacteria
▲ SAG



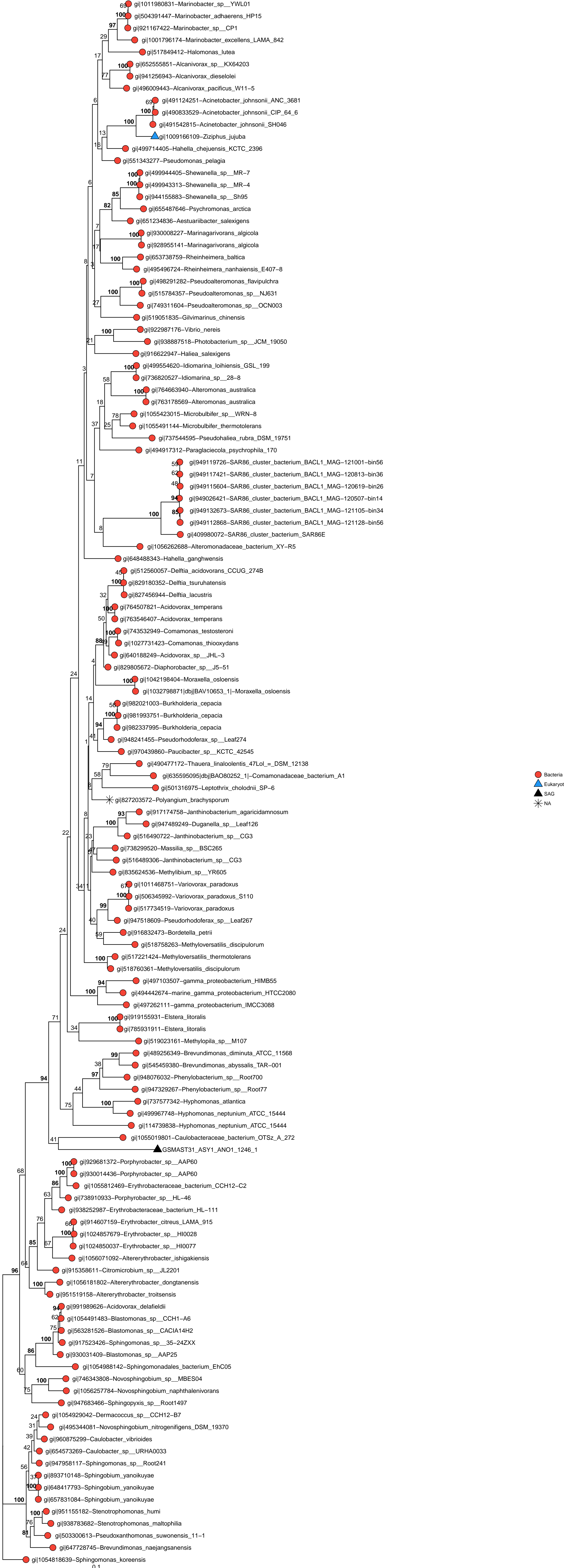
● Bacteria
▲ SAG



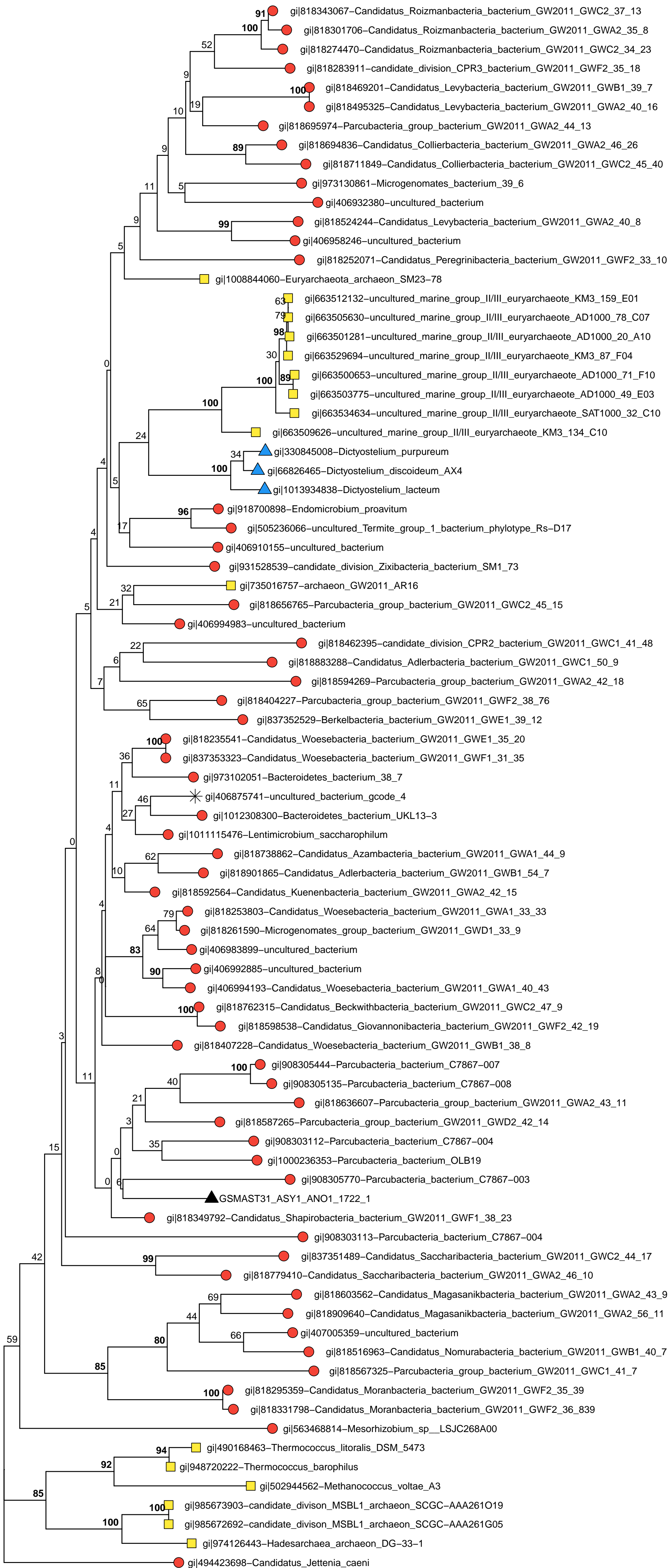
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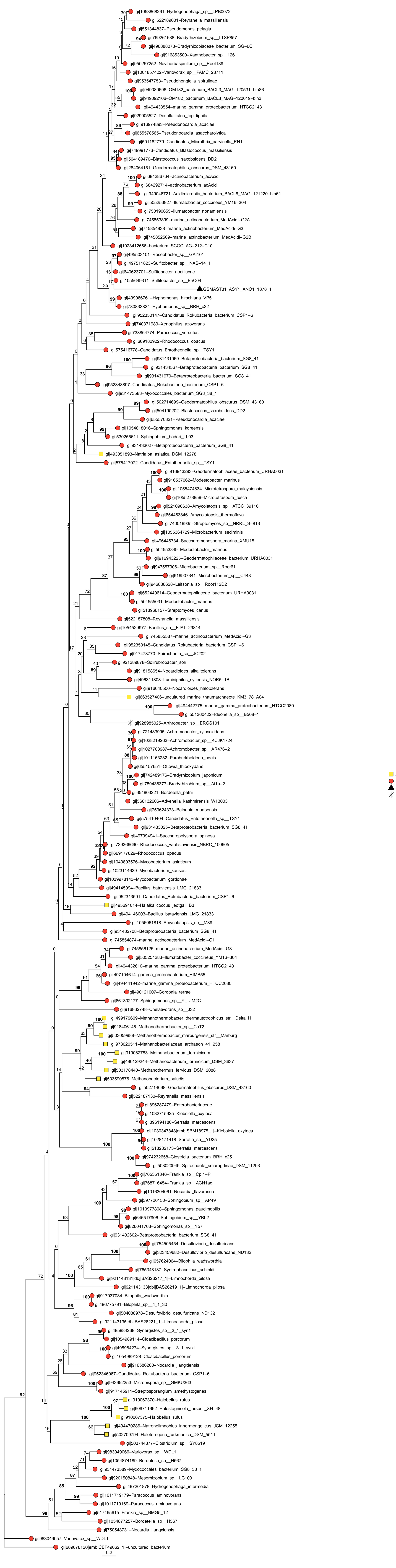


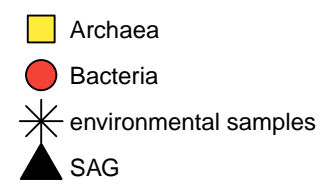
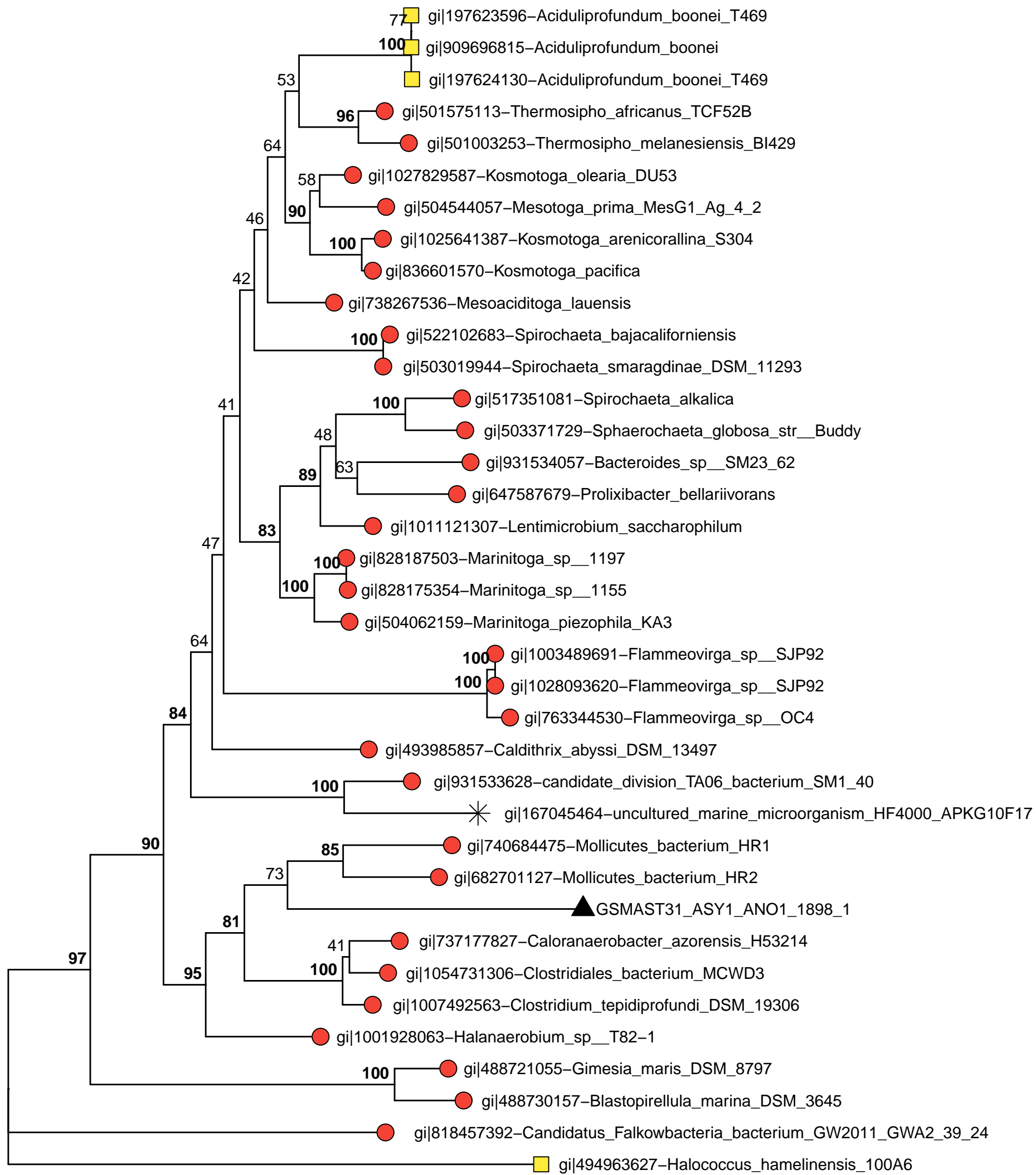


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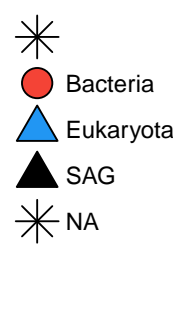
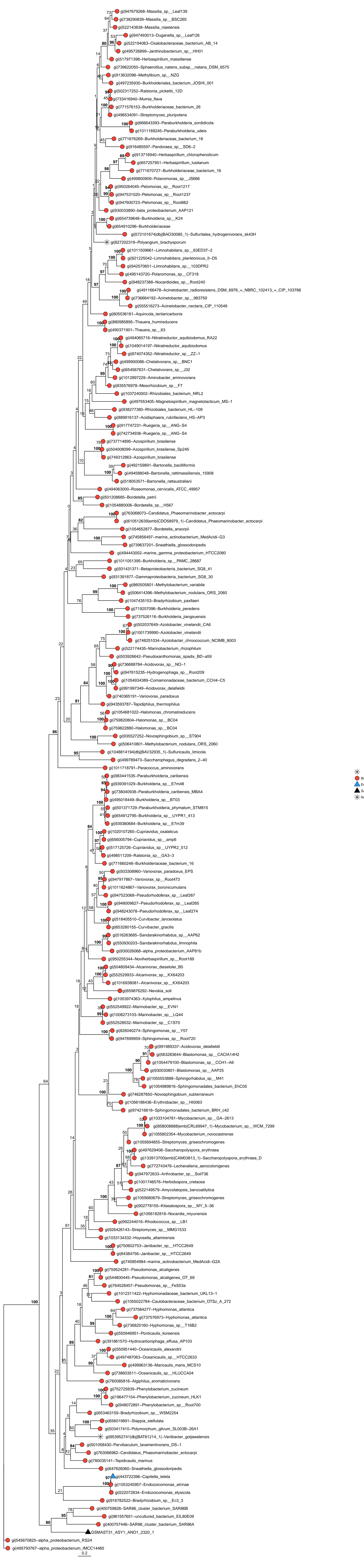


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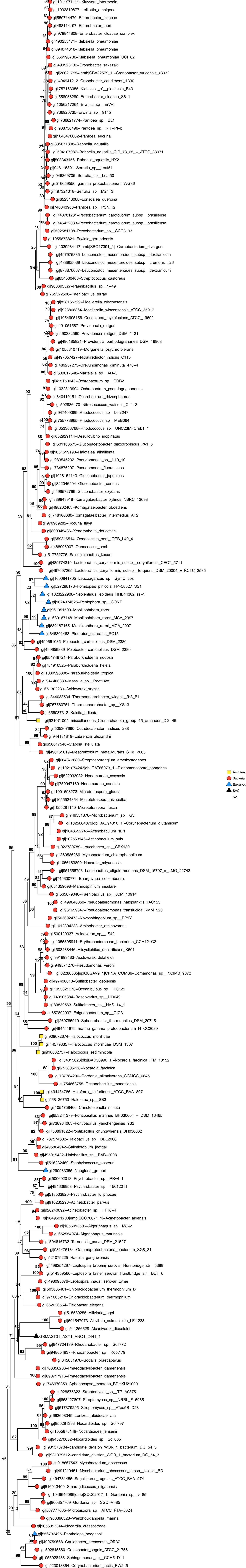


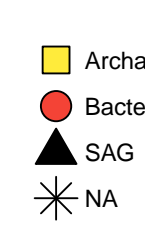
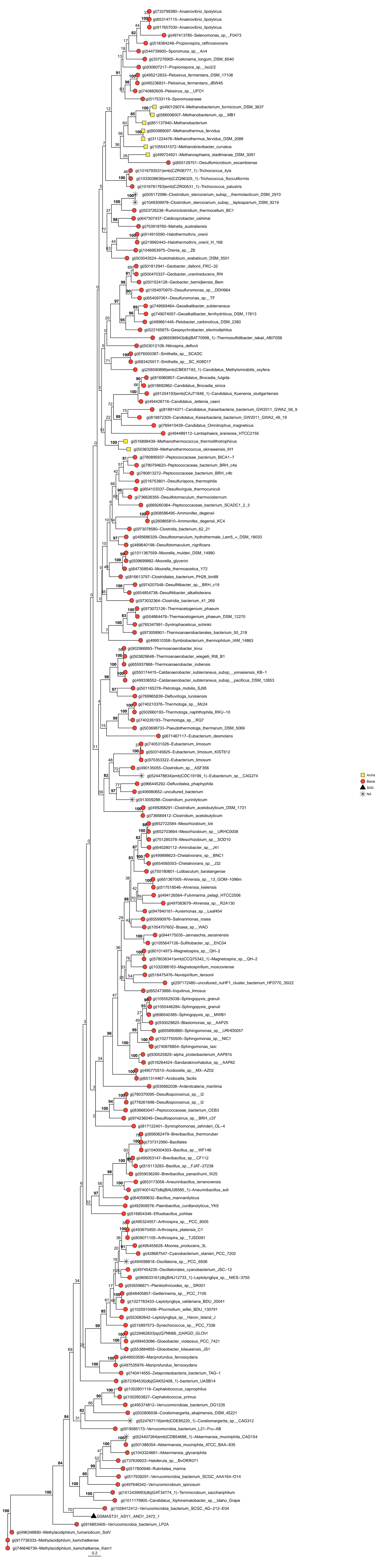


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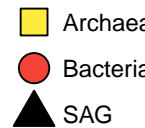
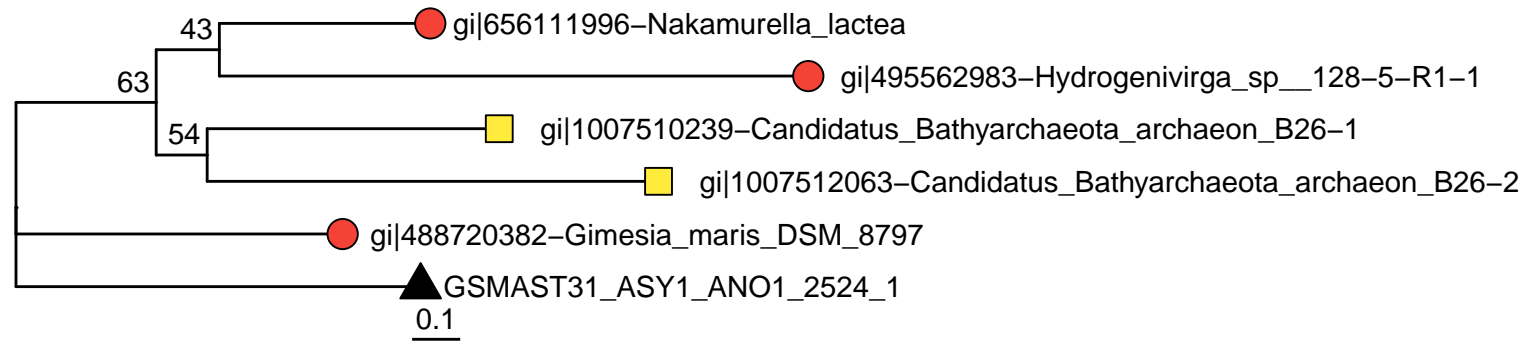


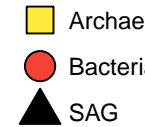
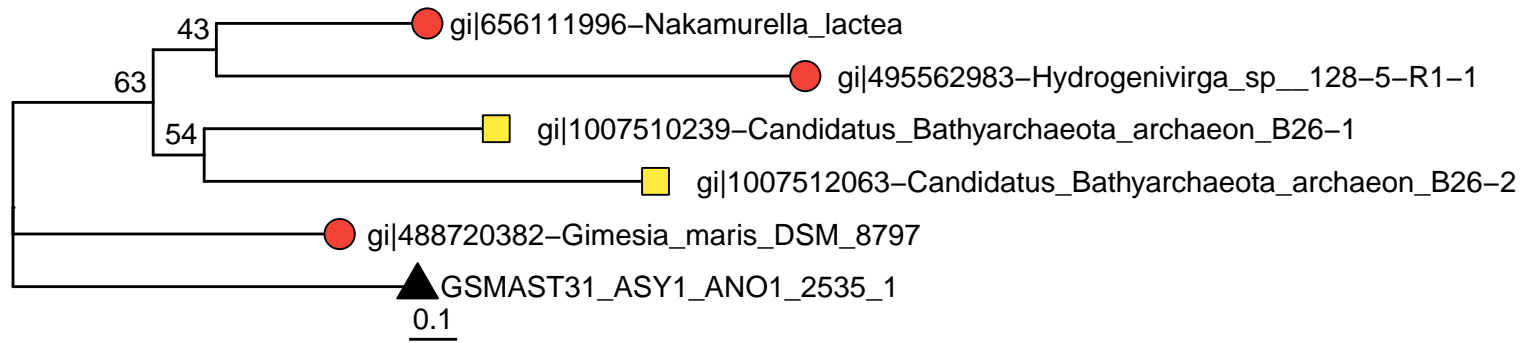
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 ● gj1495793767- α -proteobacterium_IMCC14465
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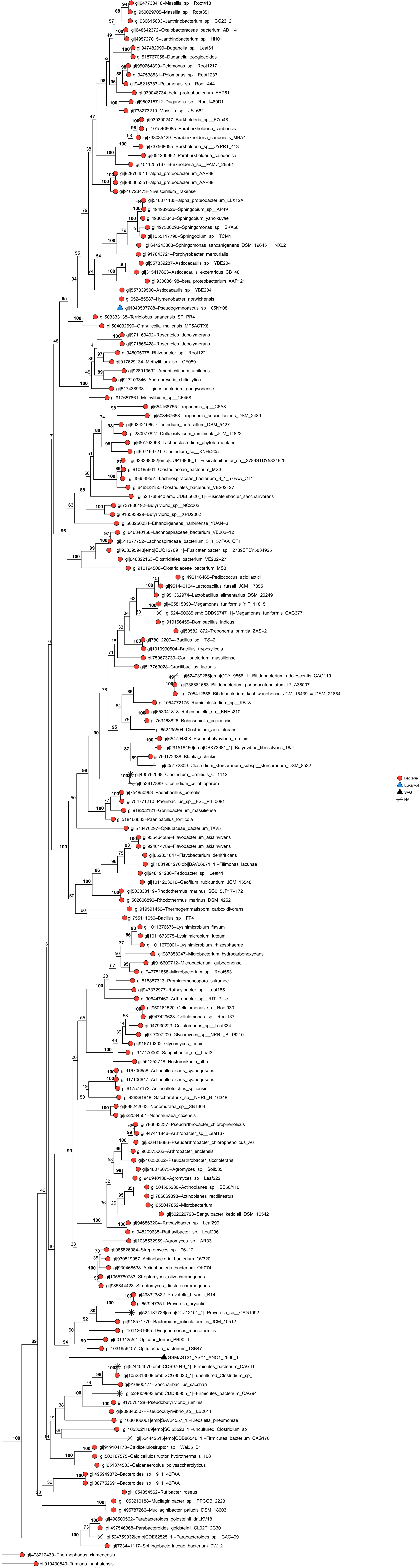


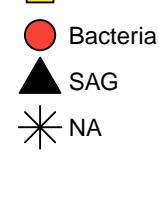


100 ● gj|496348890-Methylacidiphilum_kamchatkense_SoIV
 ● gj|917736333-Methylacidiphilum_kamchatkense
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 0.2

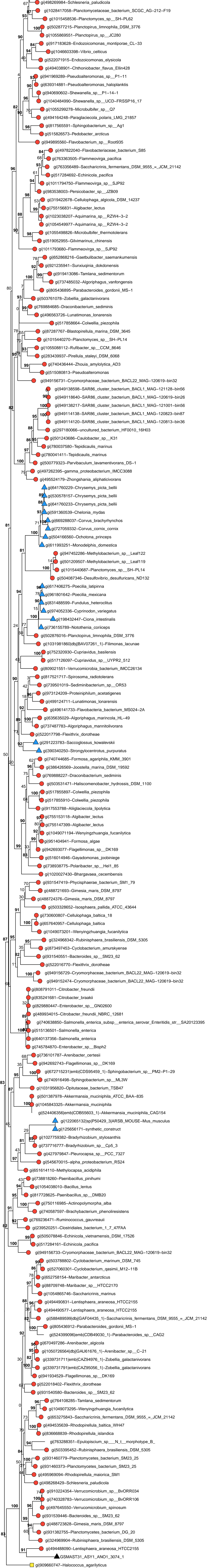


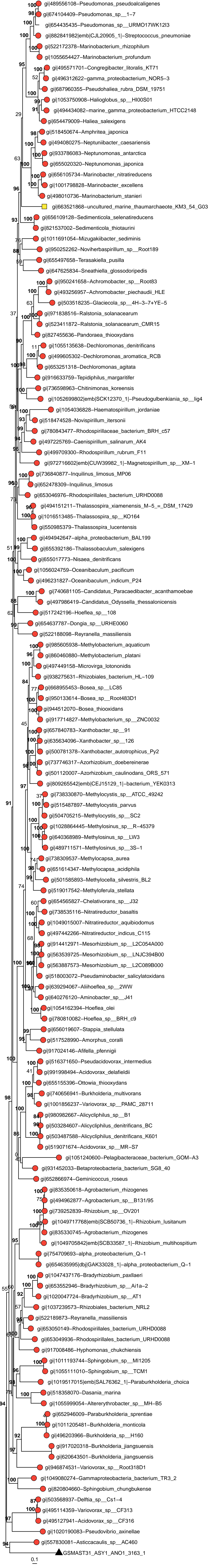


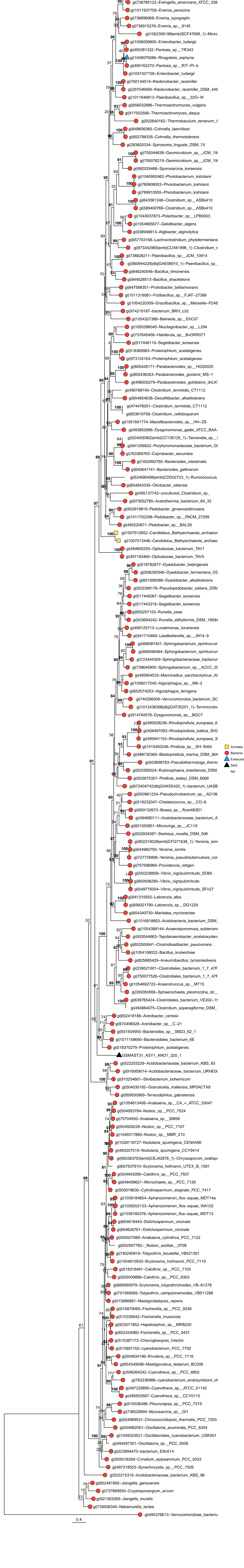




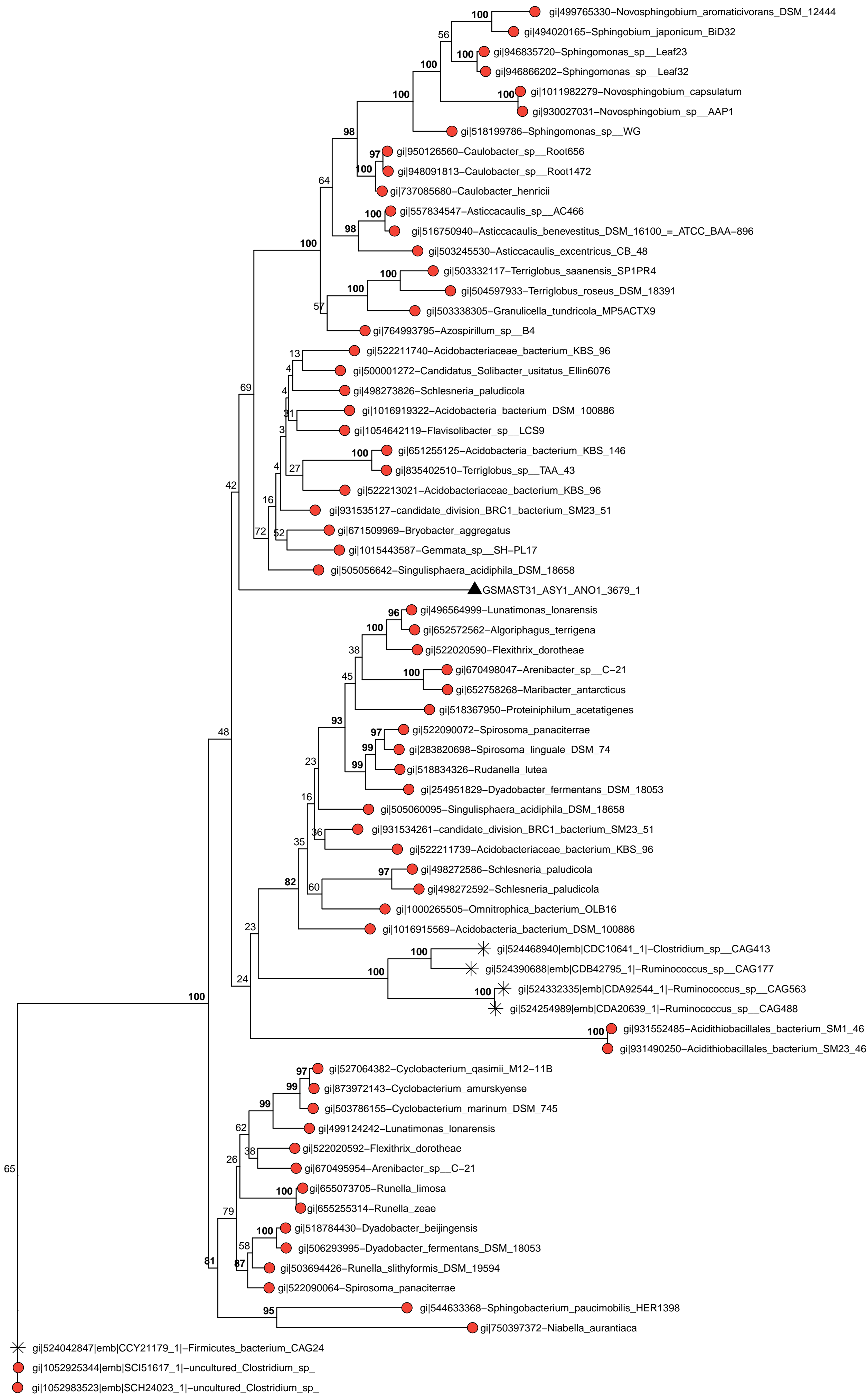
gij850511076-Methanosarcina_mazei
0.3





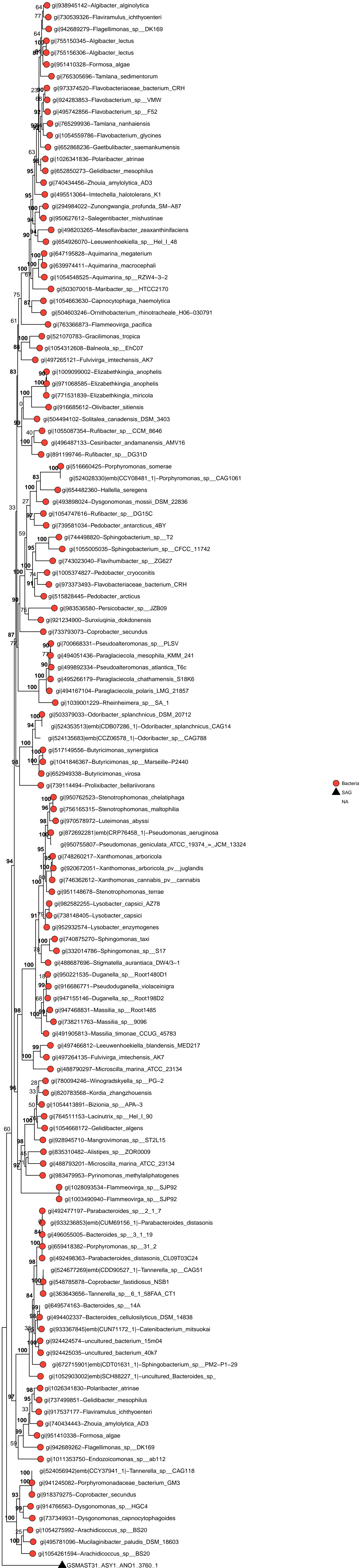


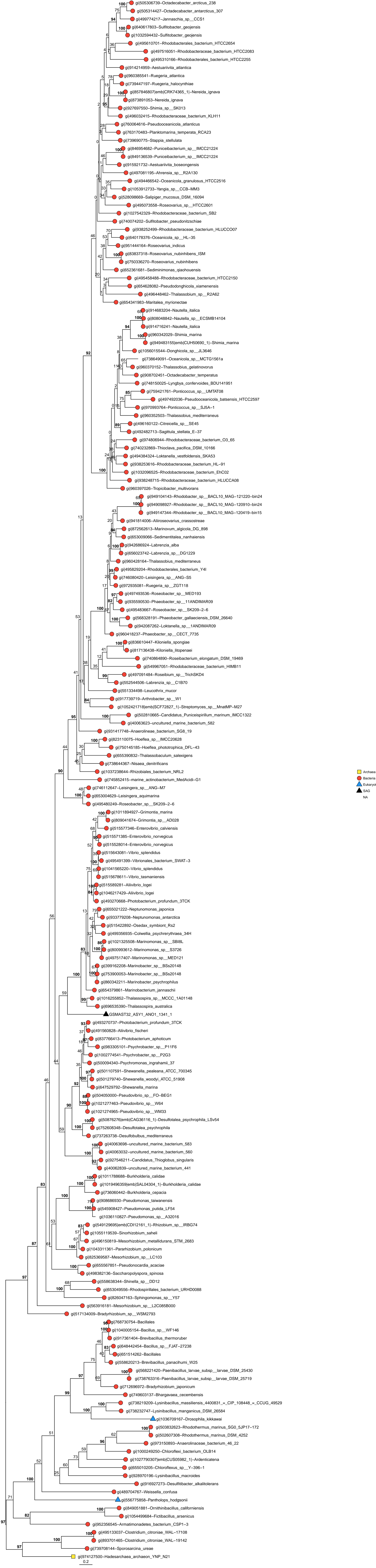


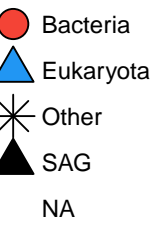
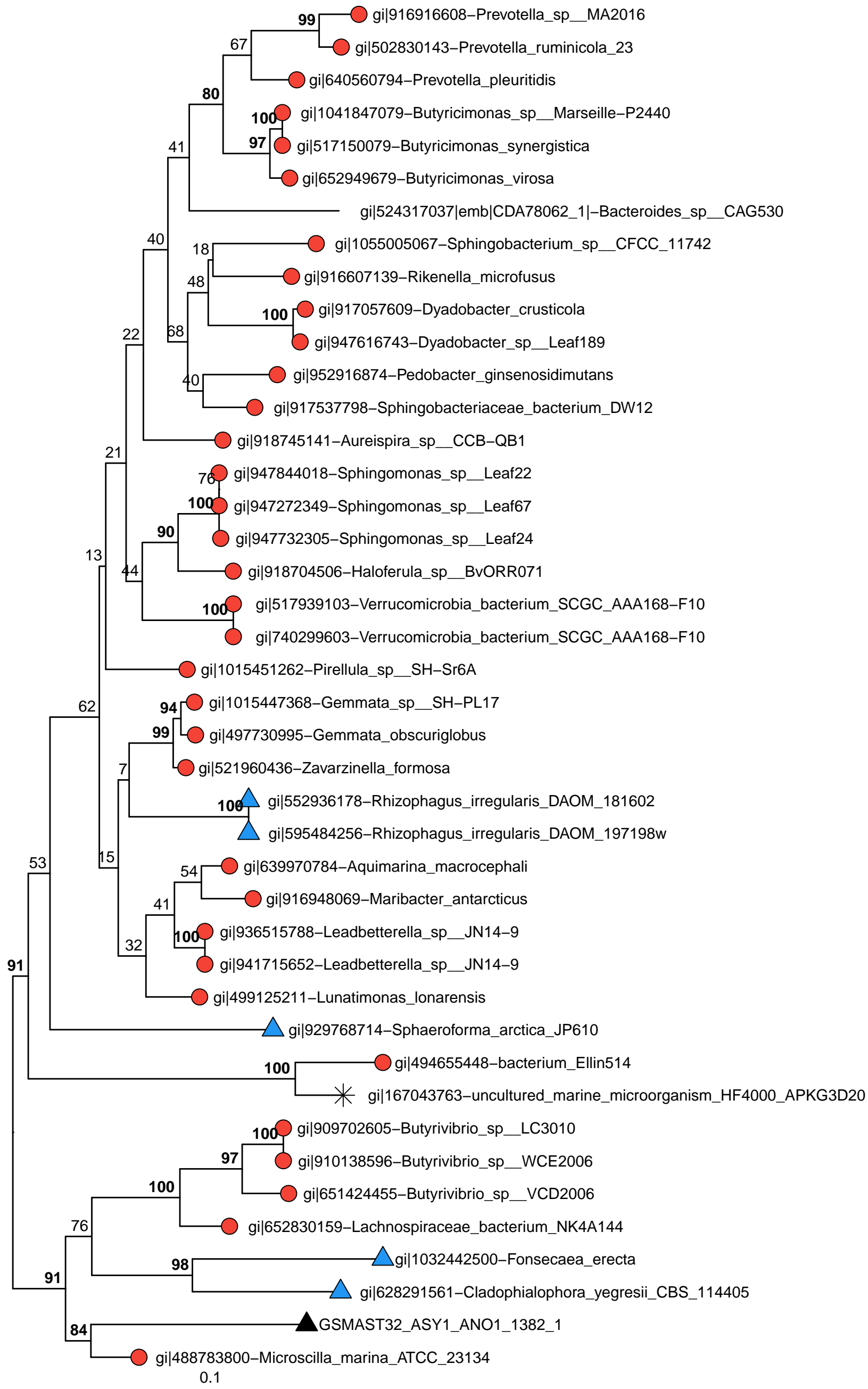


● Bacteria
▲ SAG
✱ NA

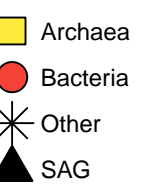
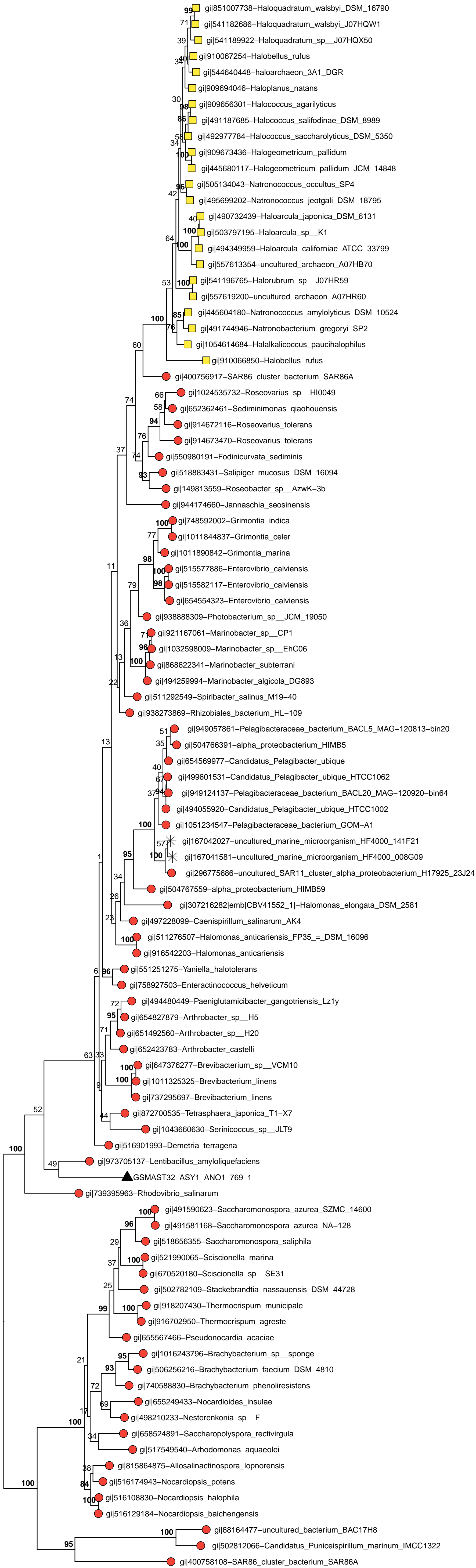
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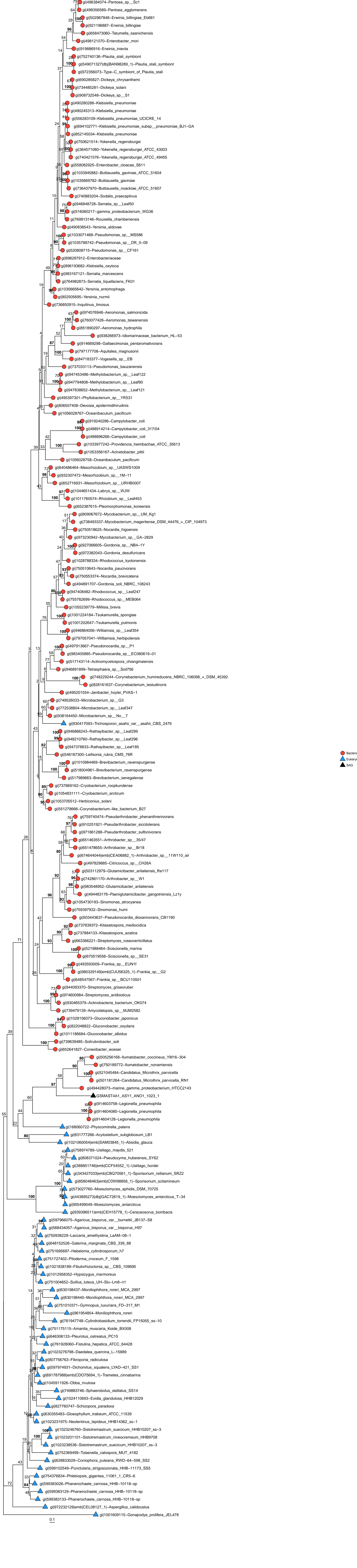


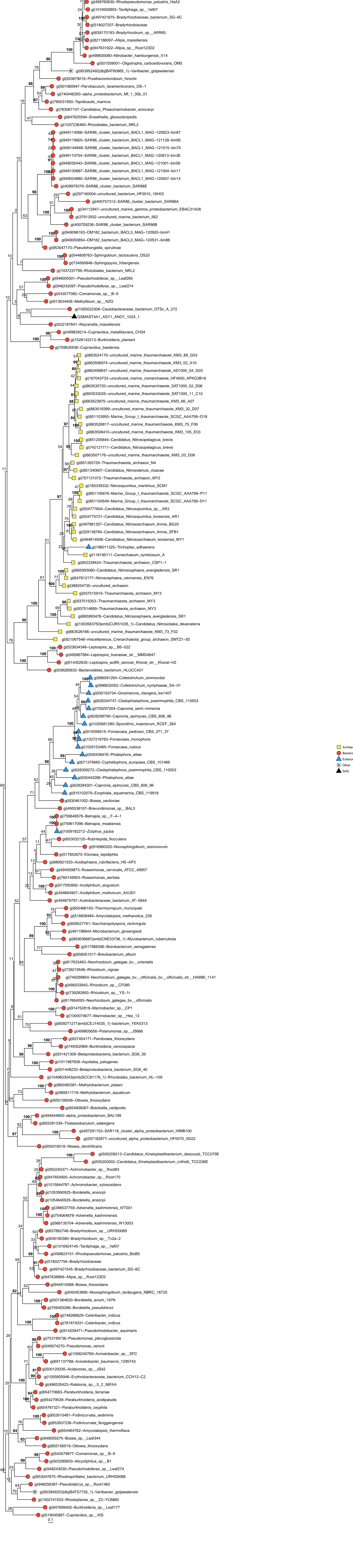


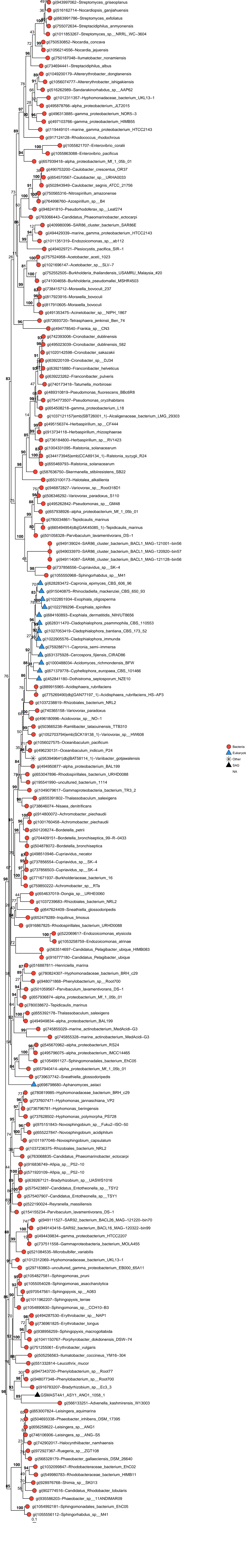
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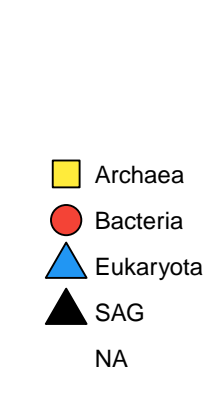
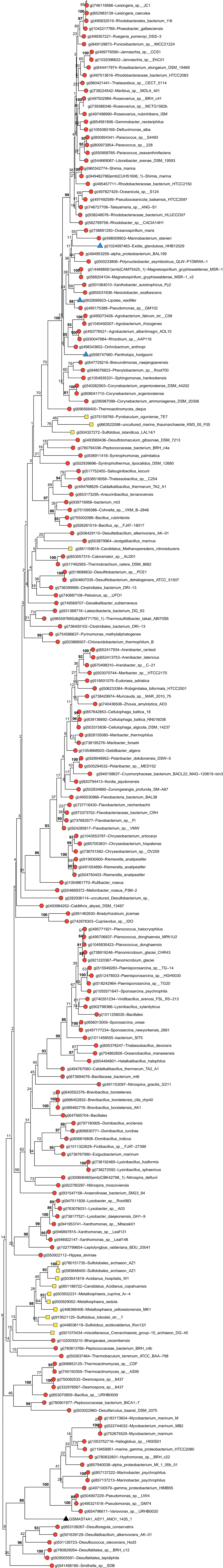


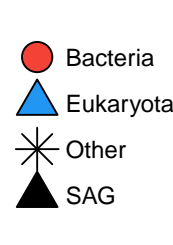
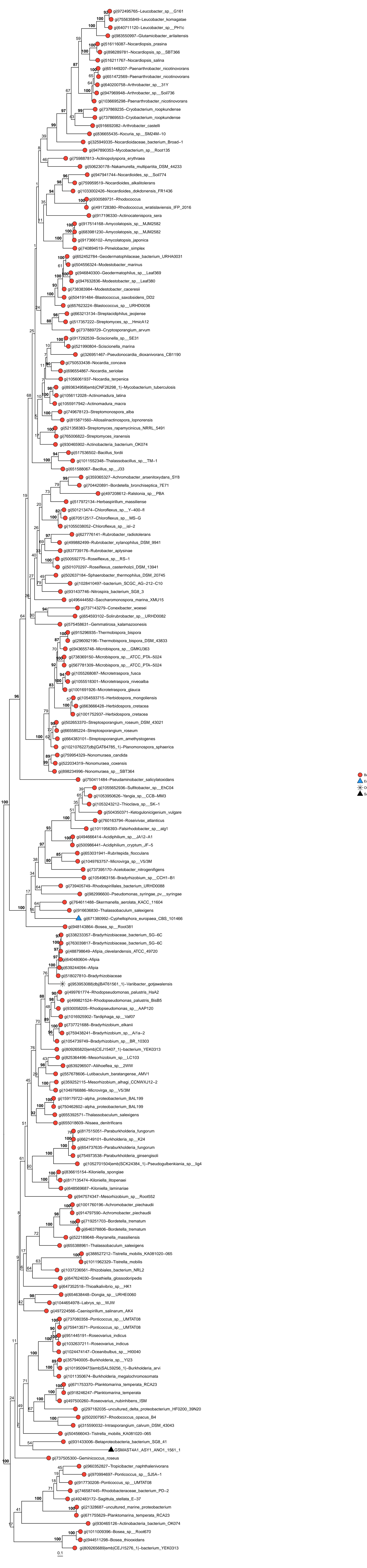
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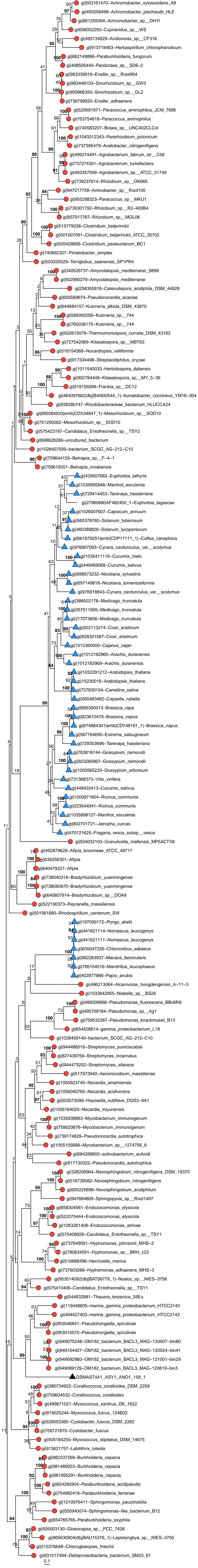


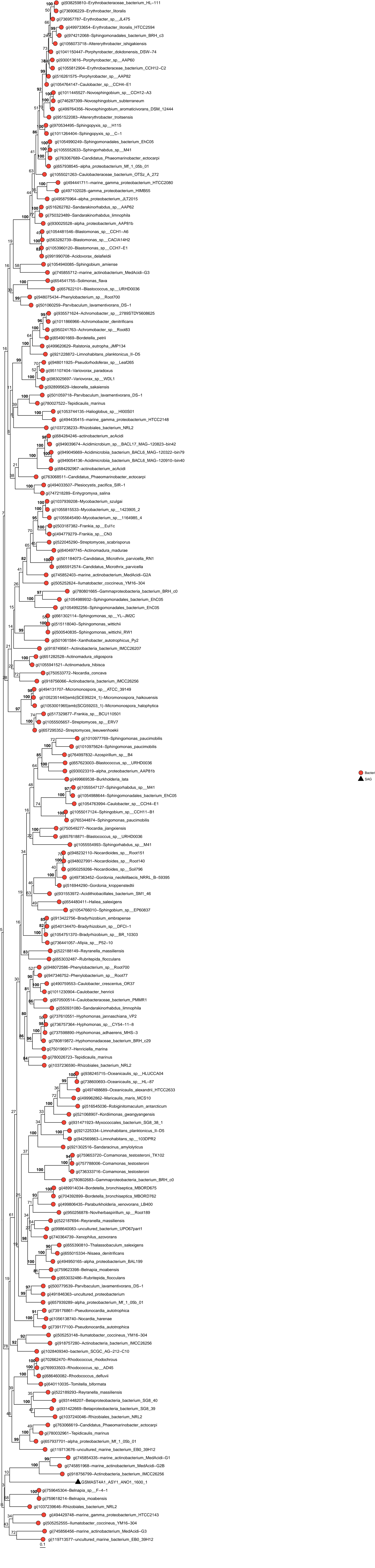


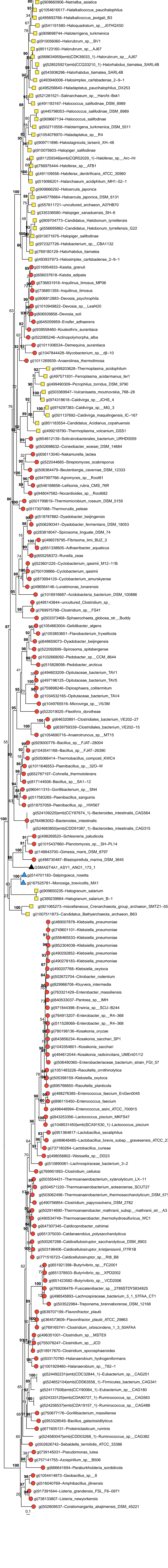




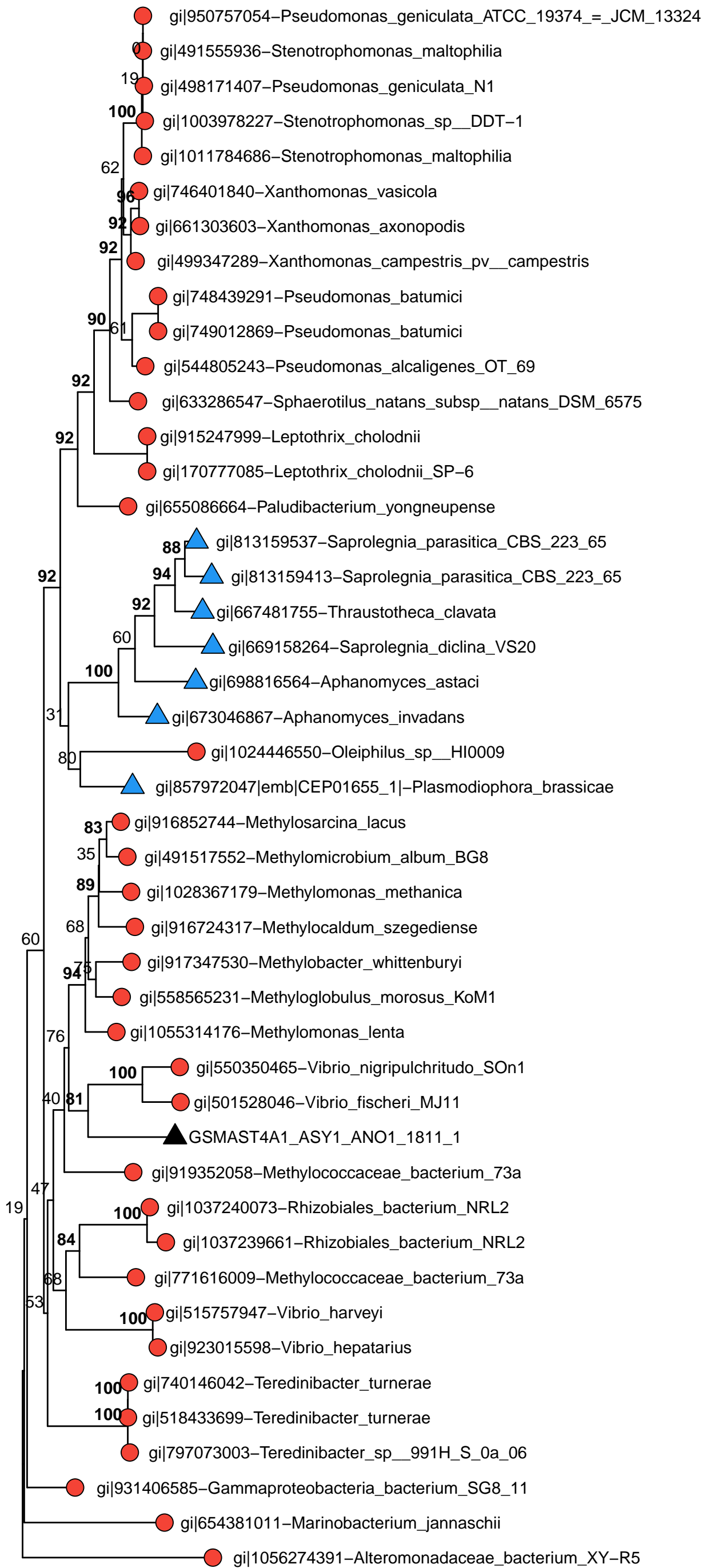
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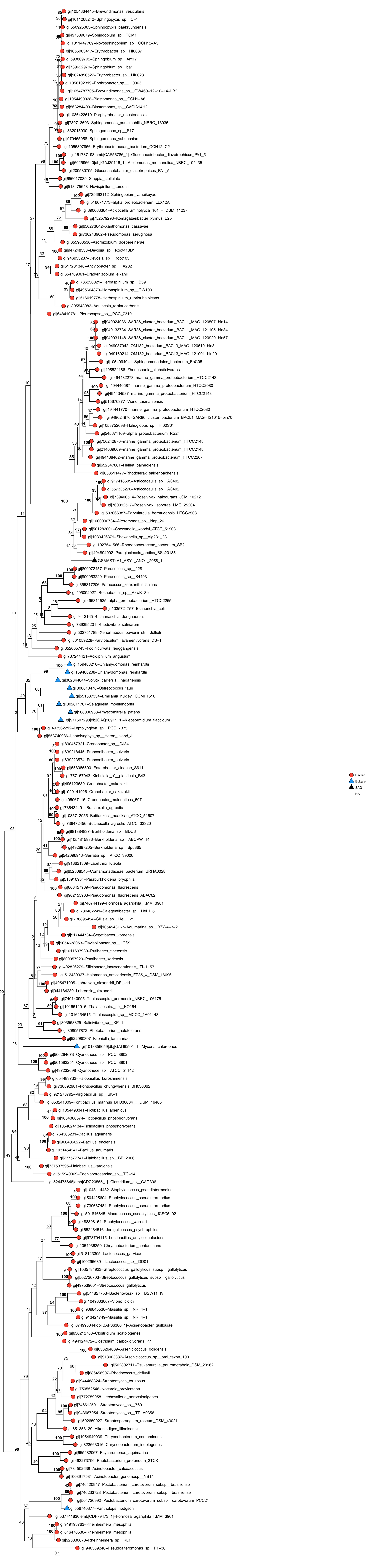


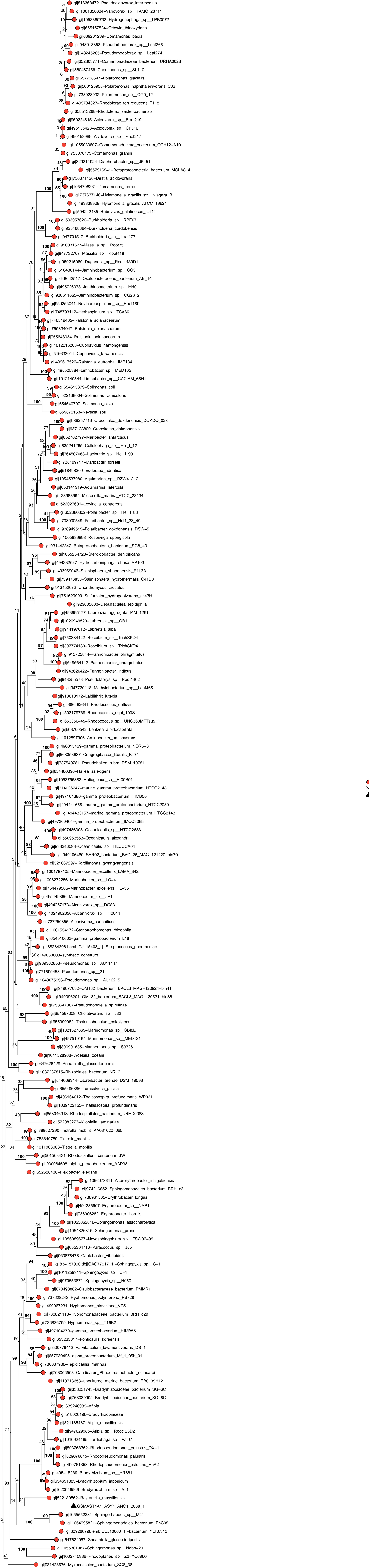
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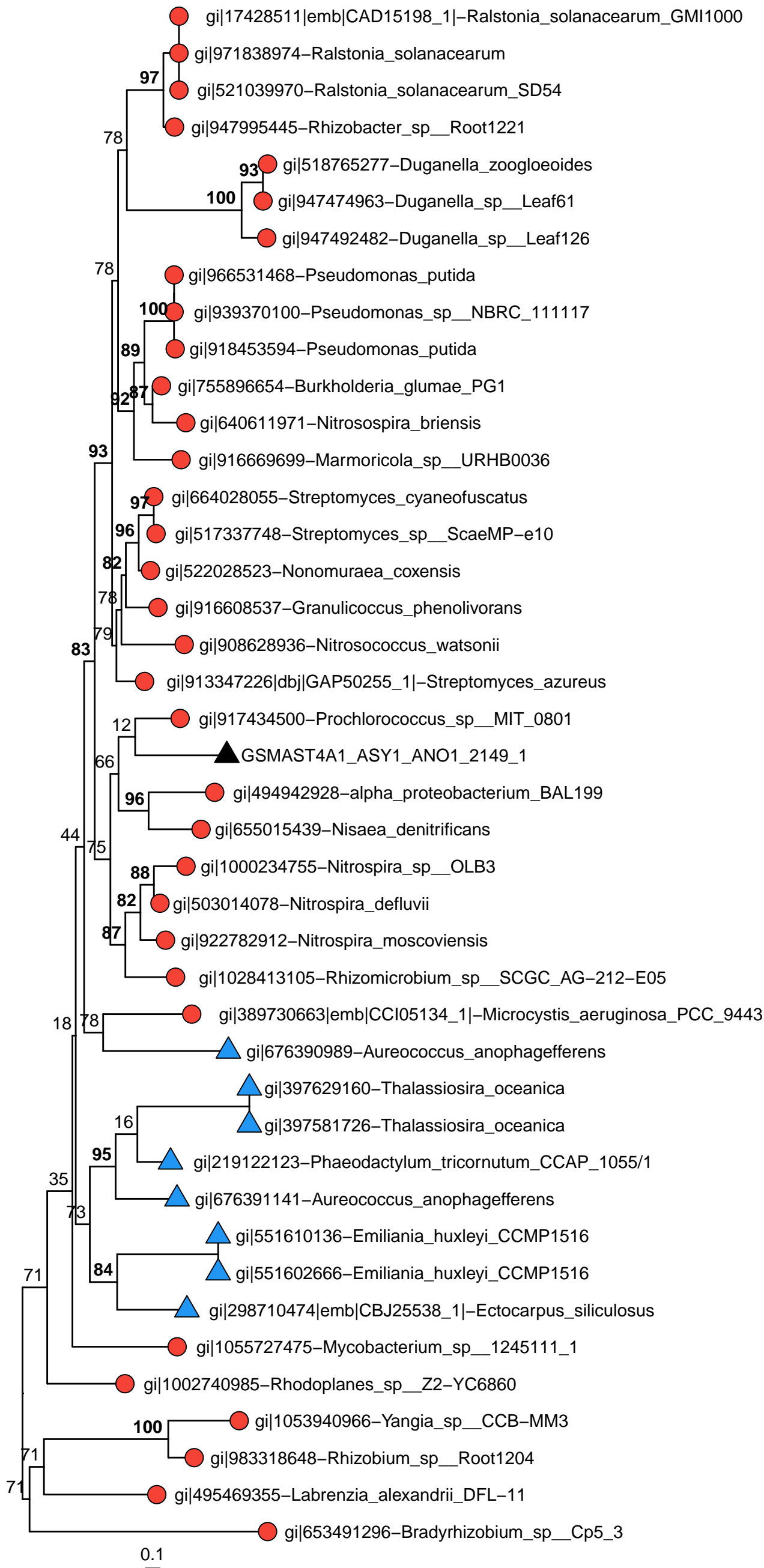


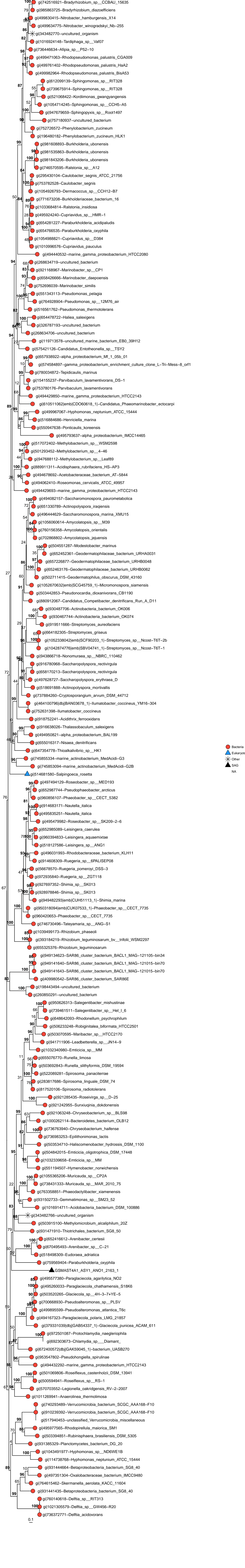
● Bacteria
 ▲ Eukaryota
 ▲ SAG

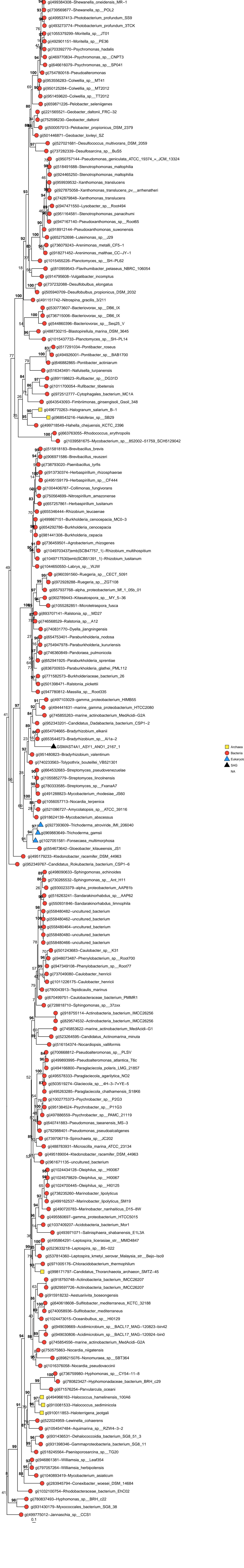
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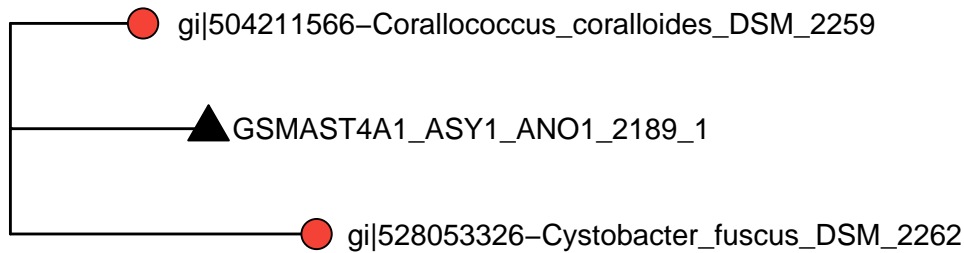








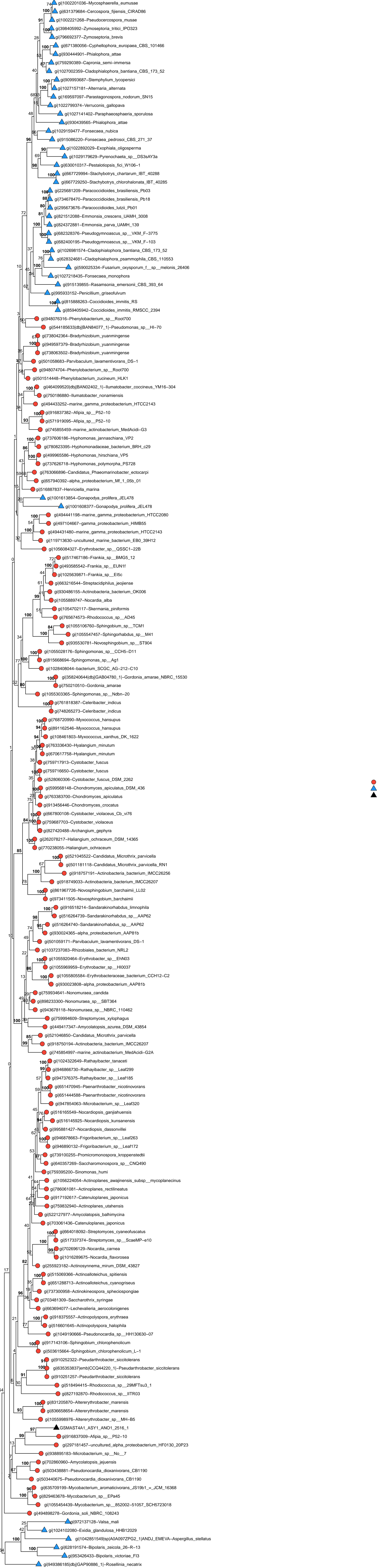


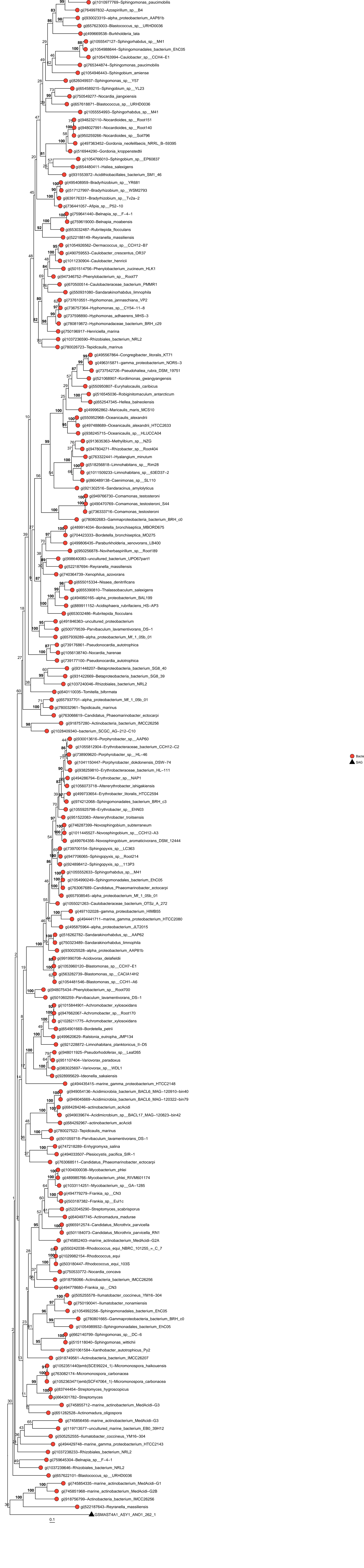


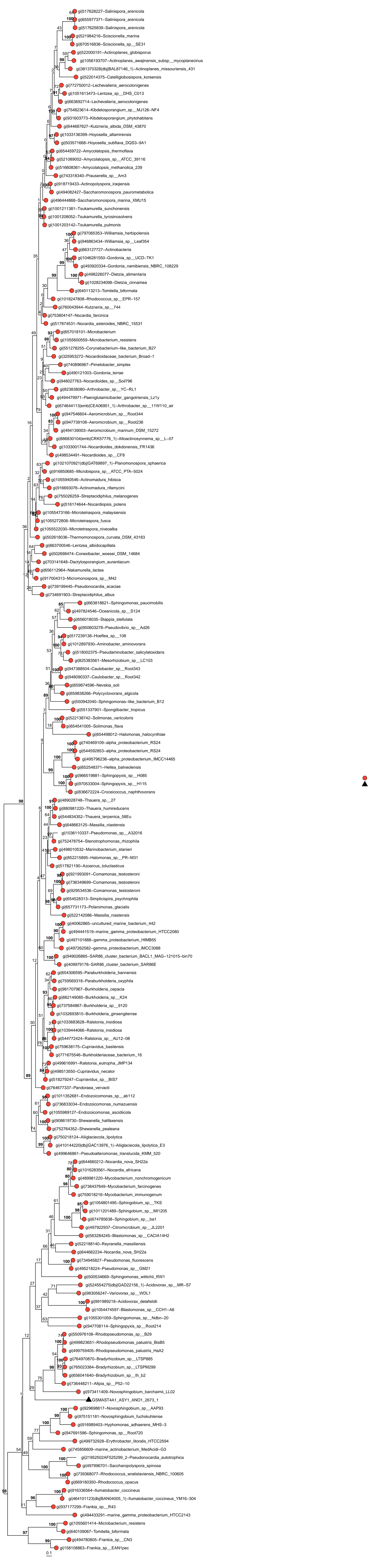
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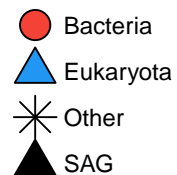
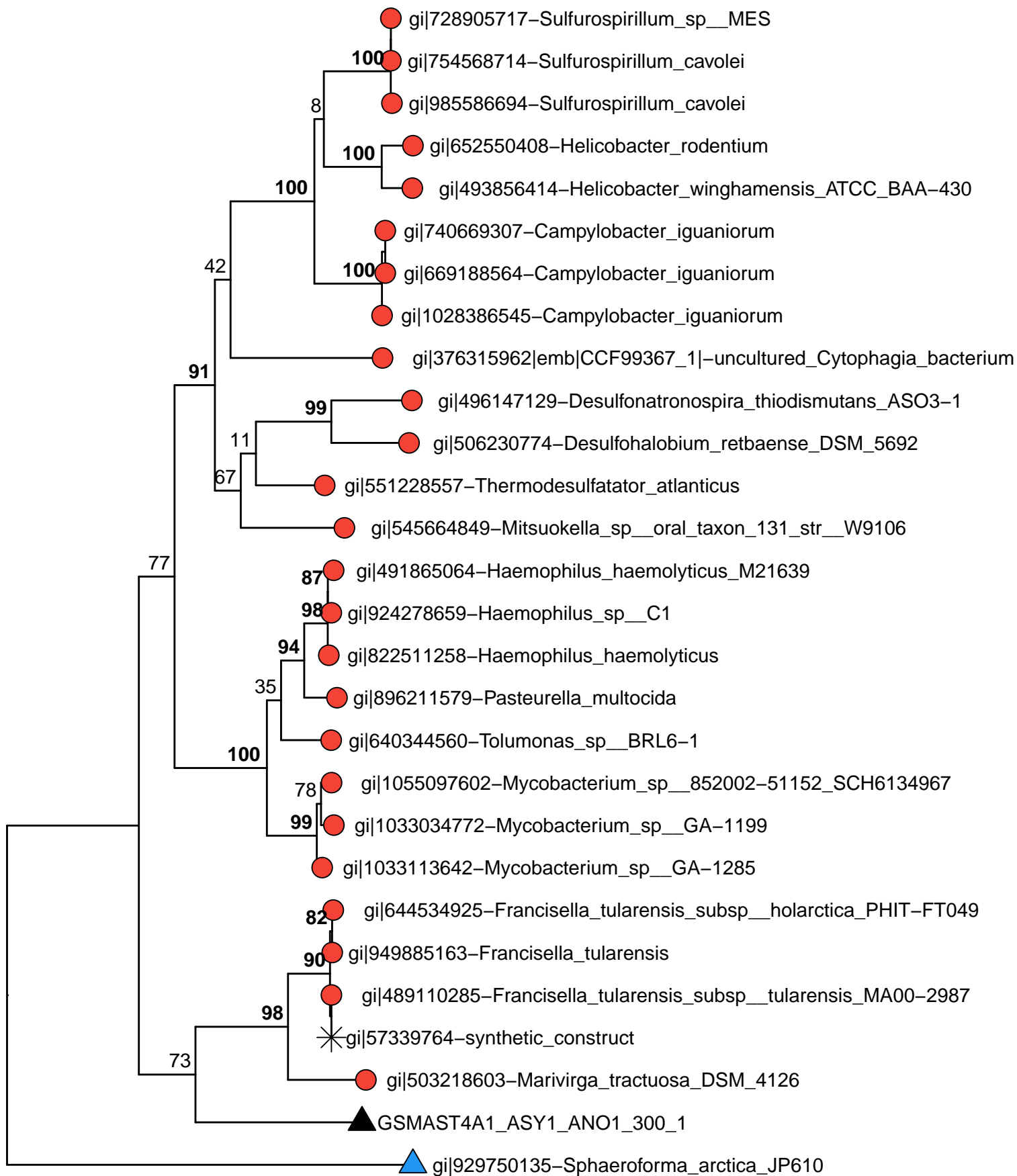
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● Bacteria
▲ SAG

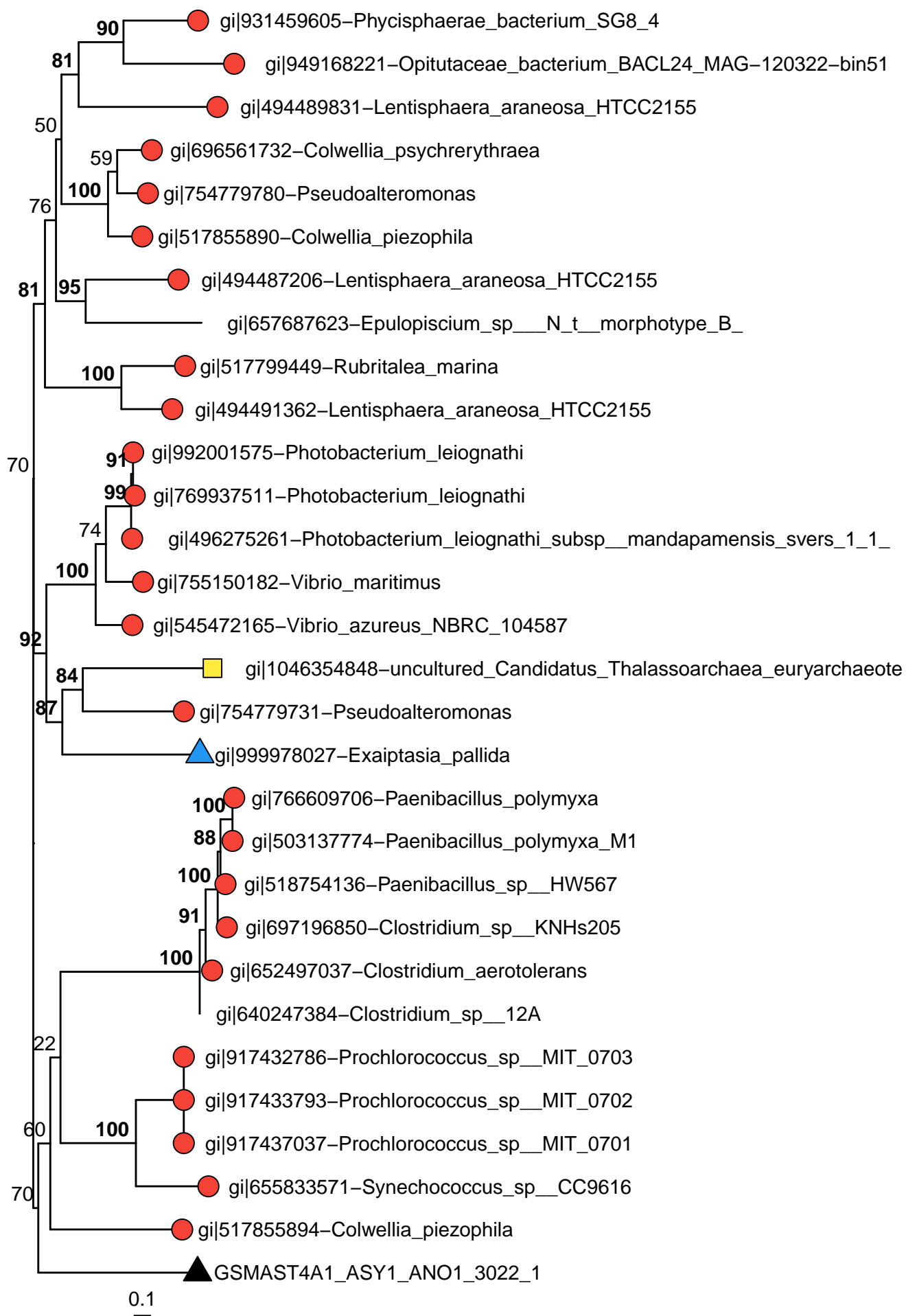


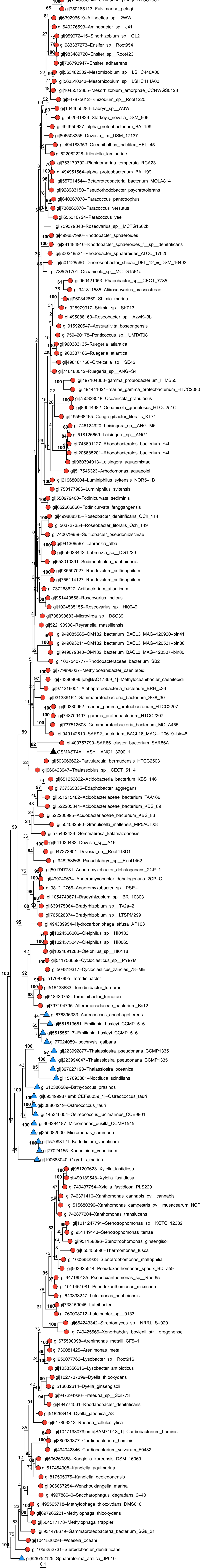


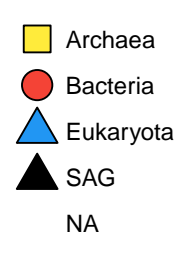
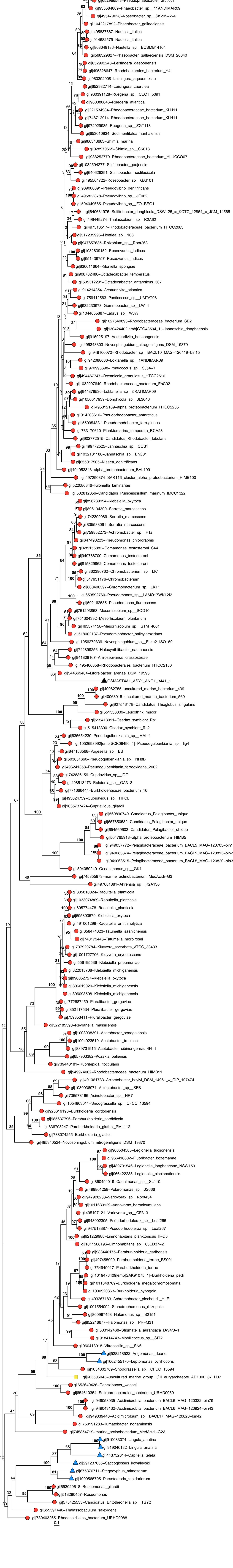


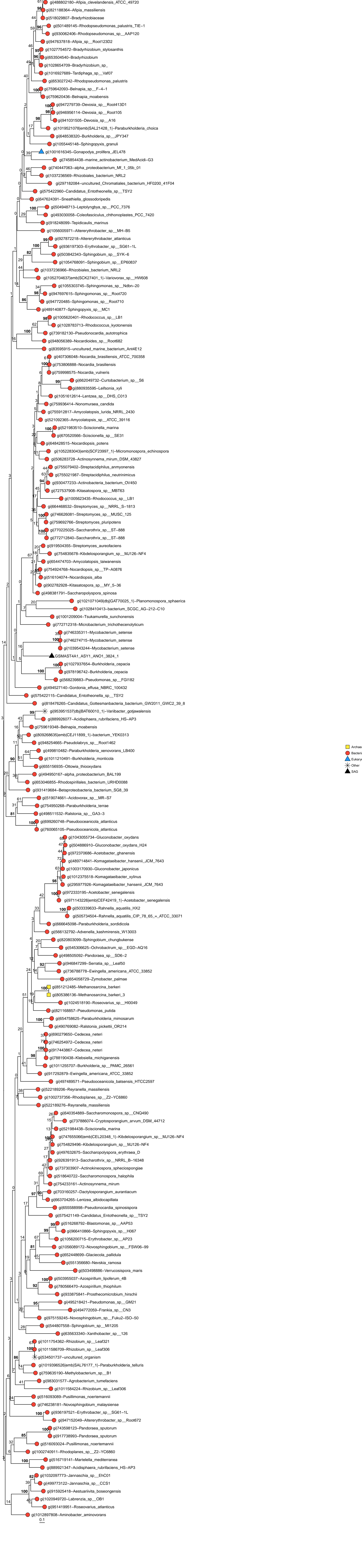


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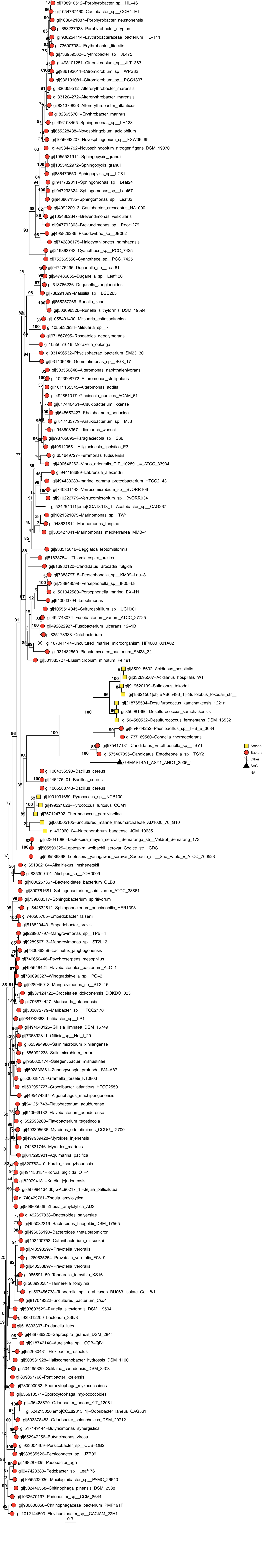


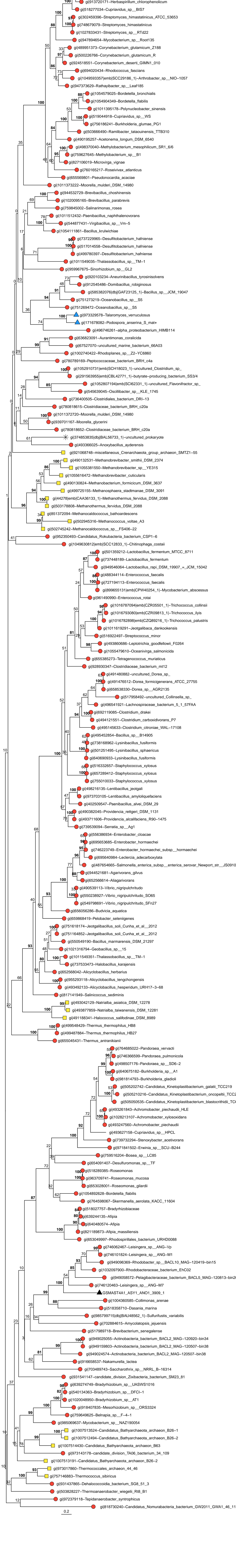


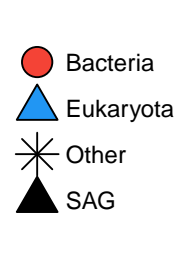
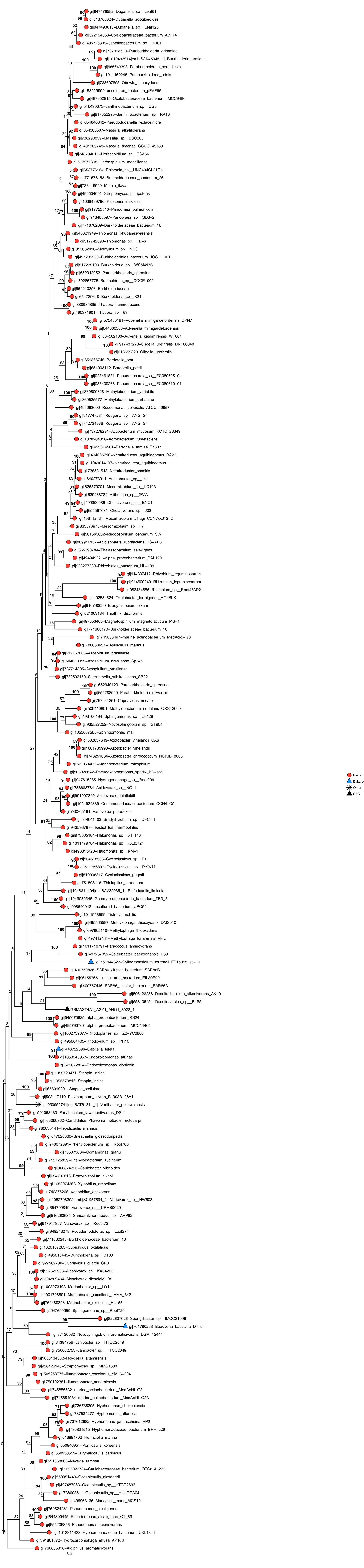




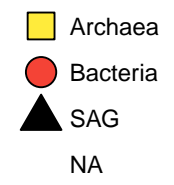
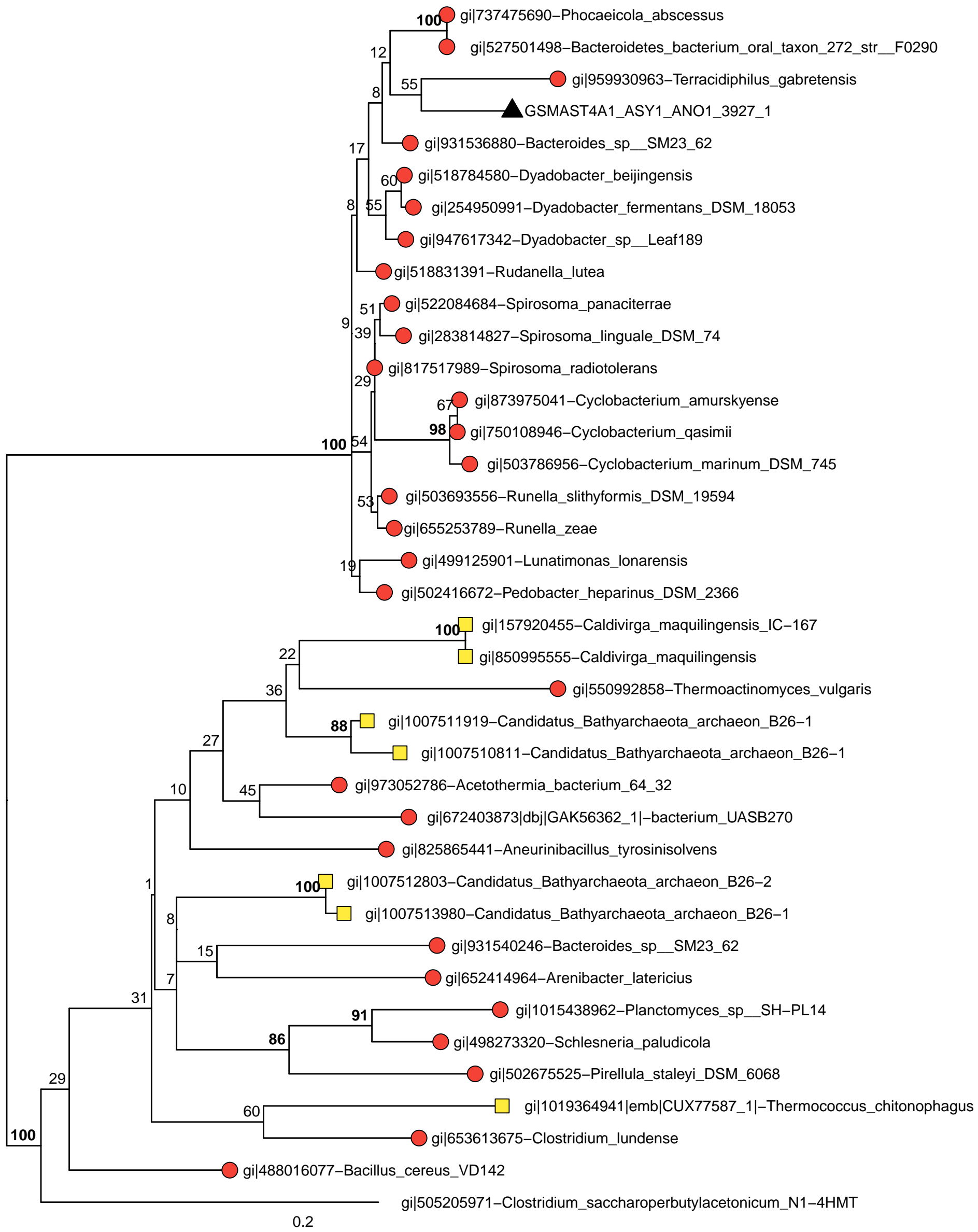


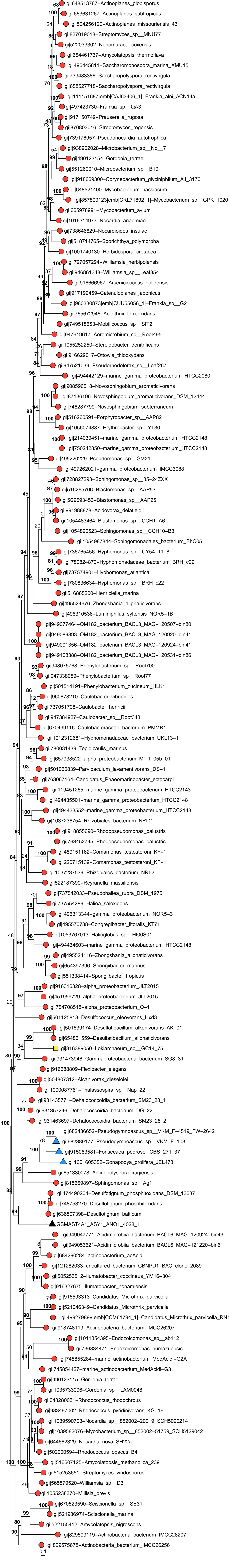


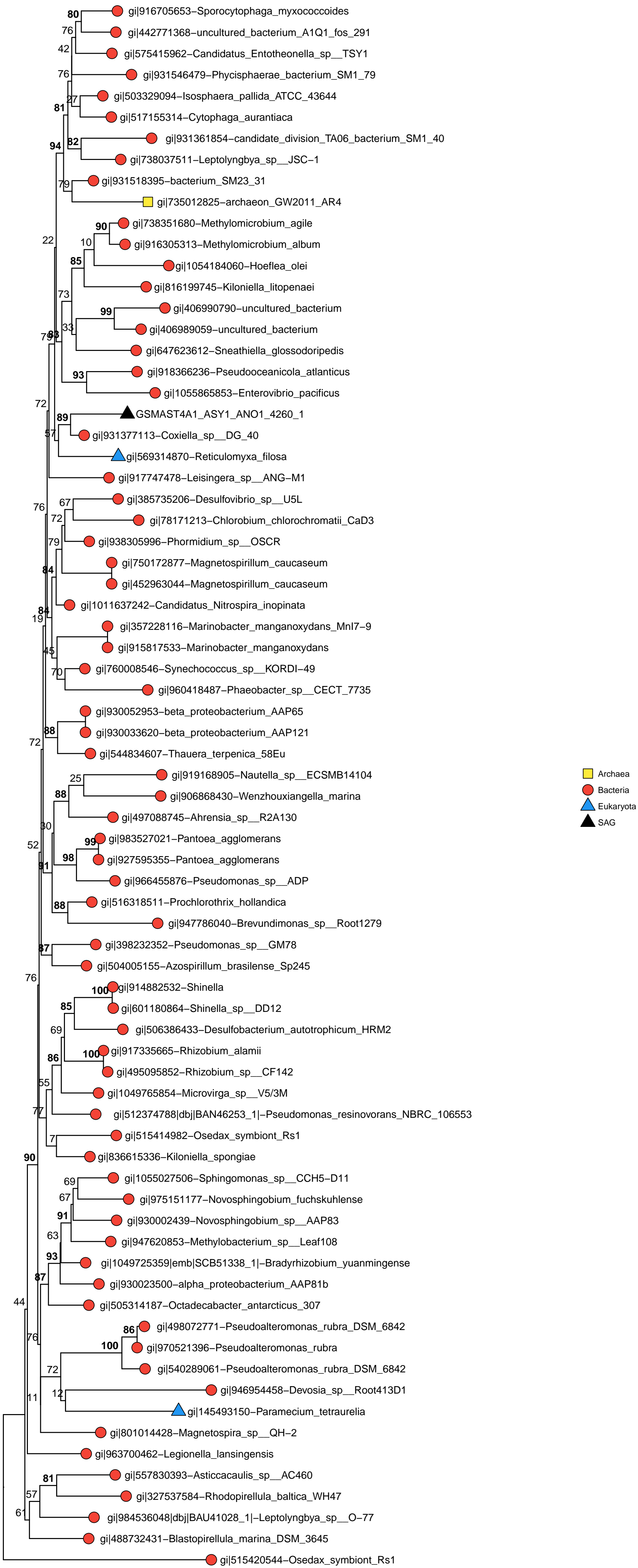




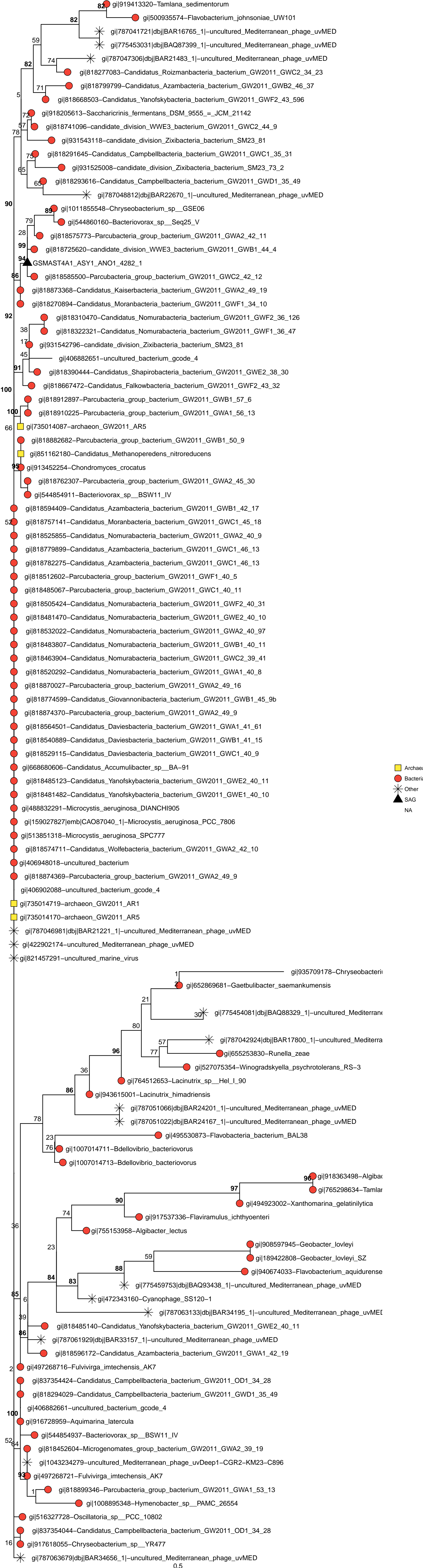
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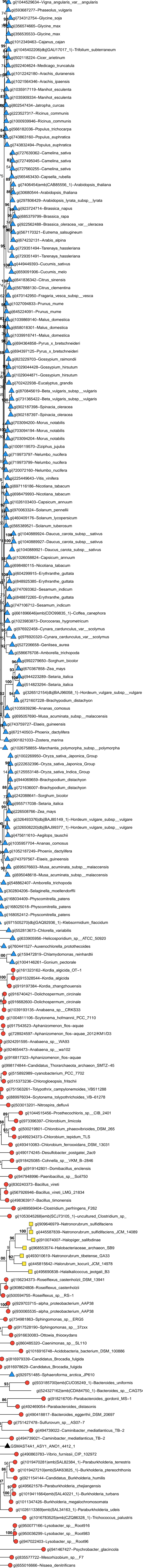


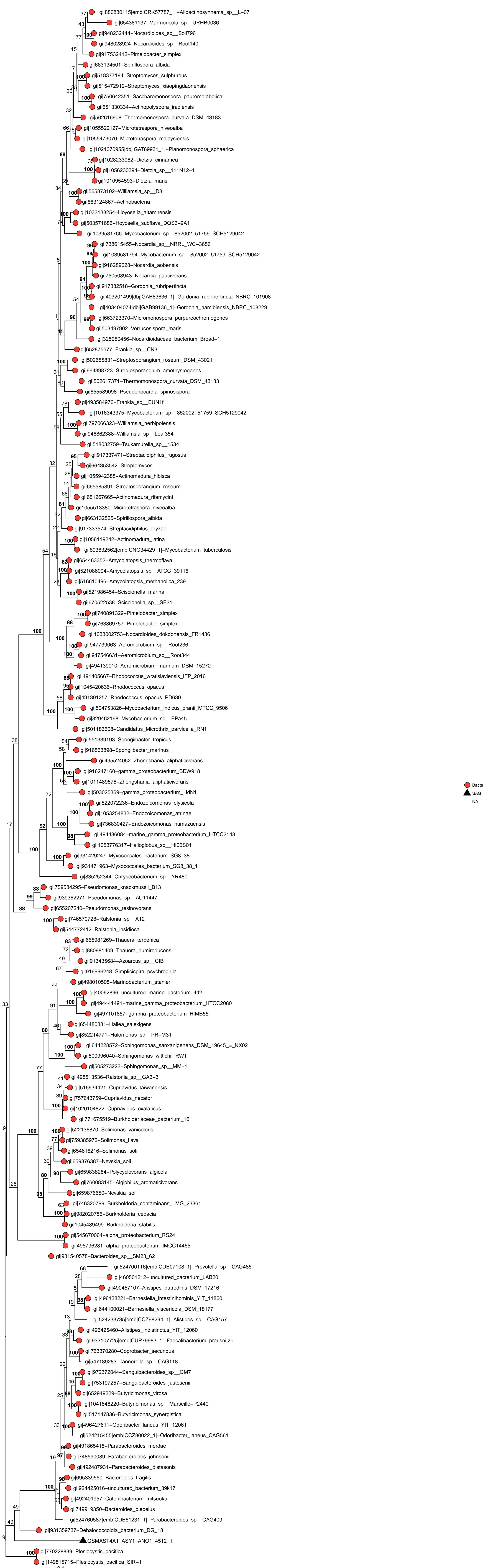


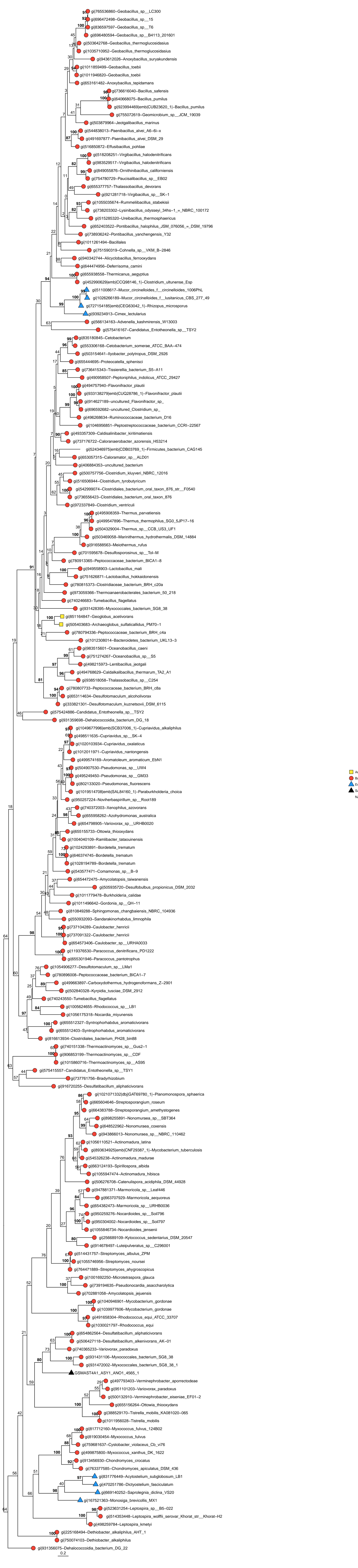


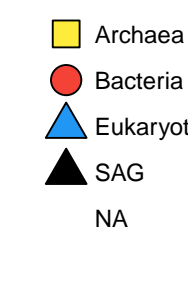
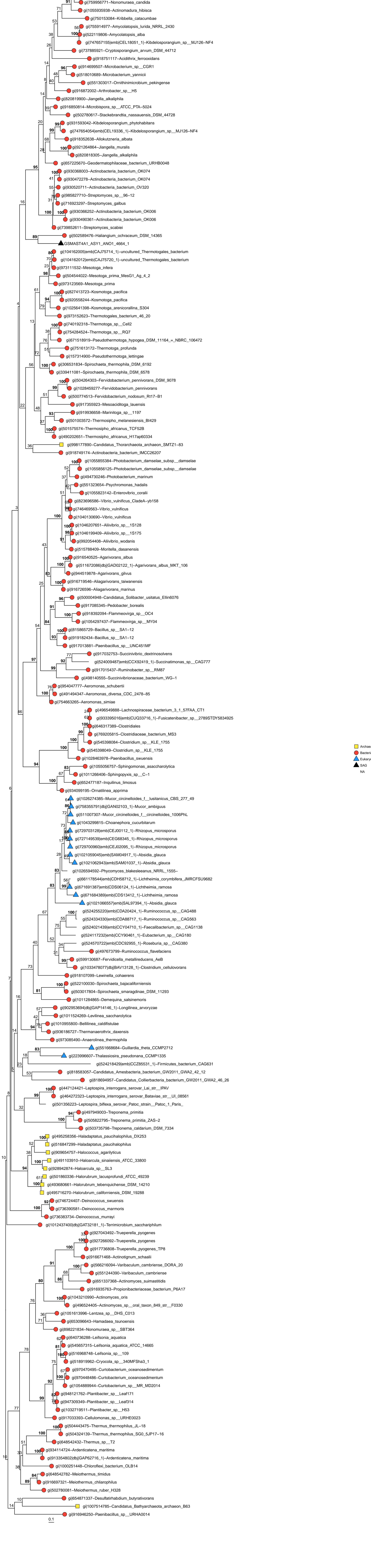
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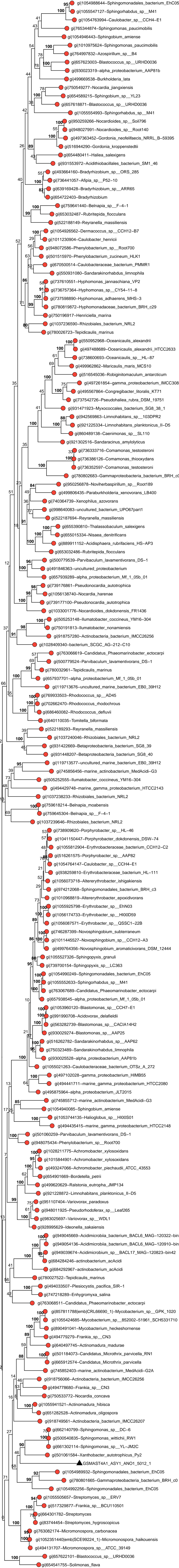




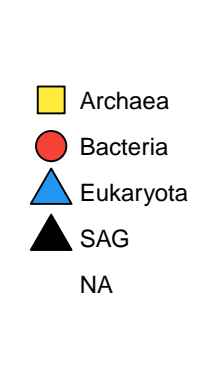
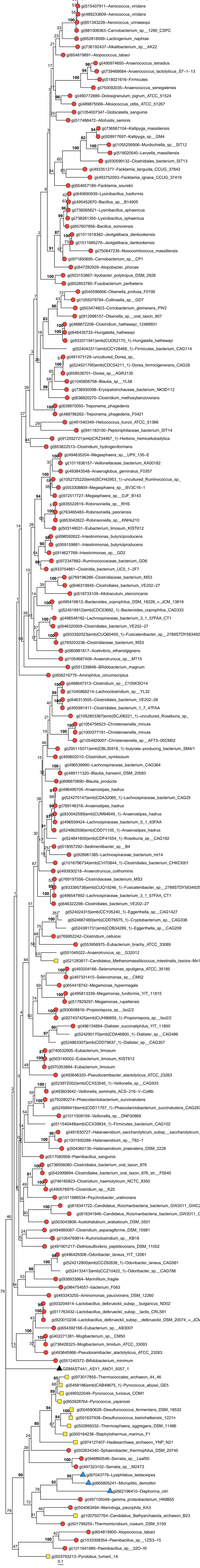


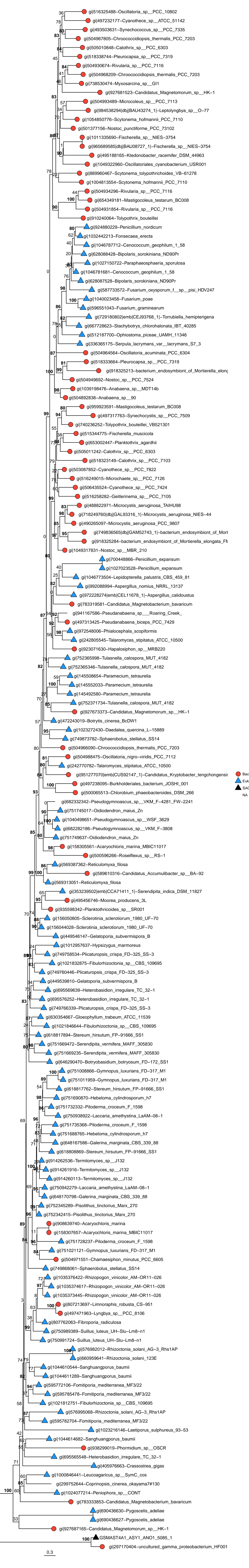


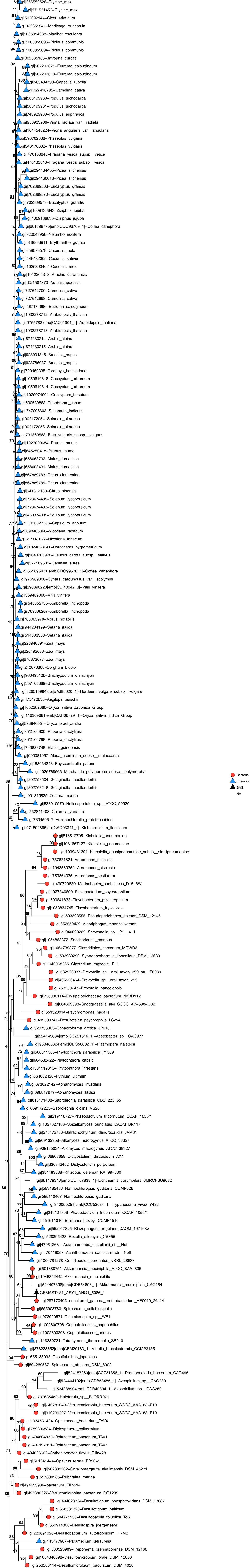
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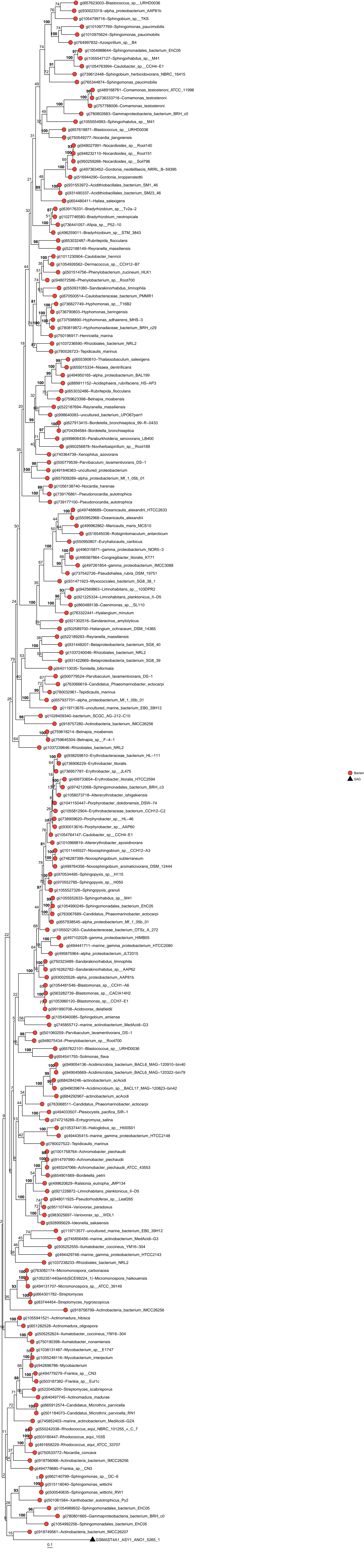


● Bacteria
▲ SAG





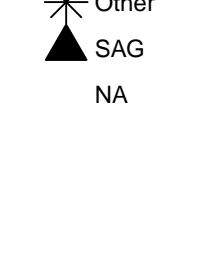
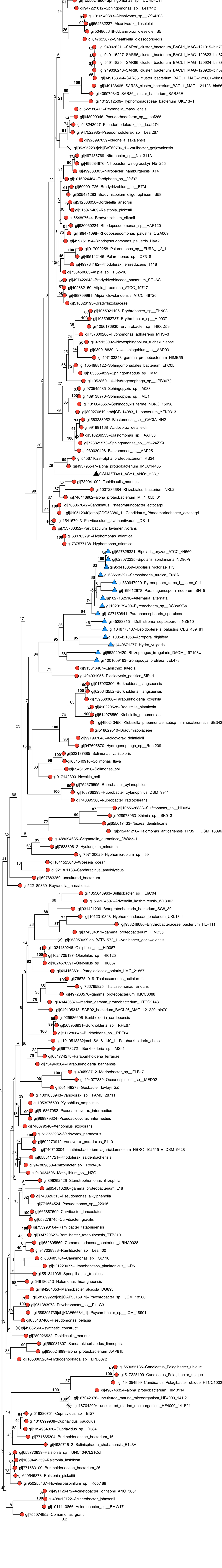


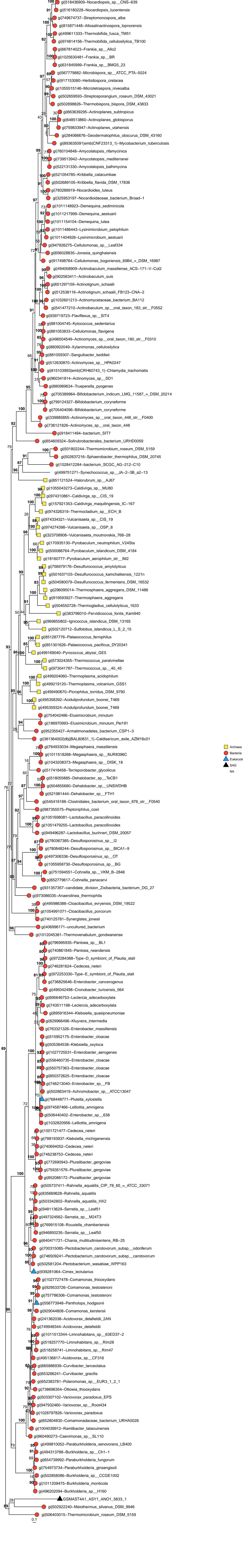


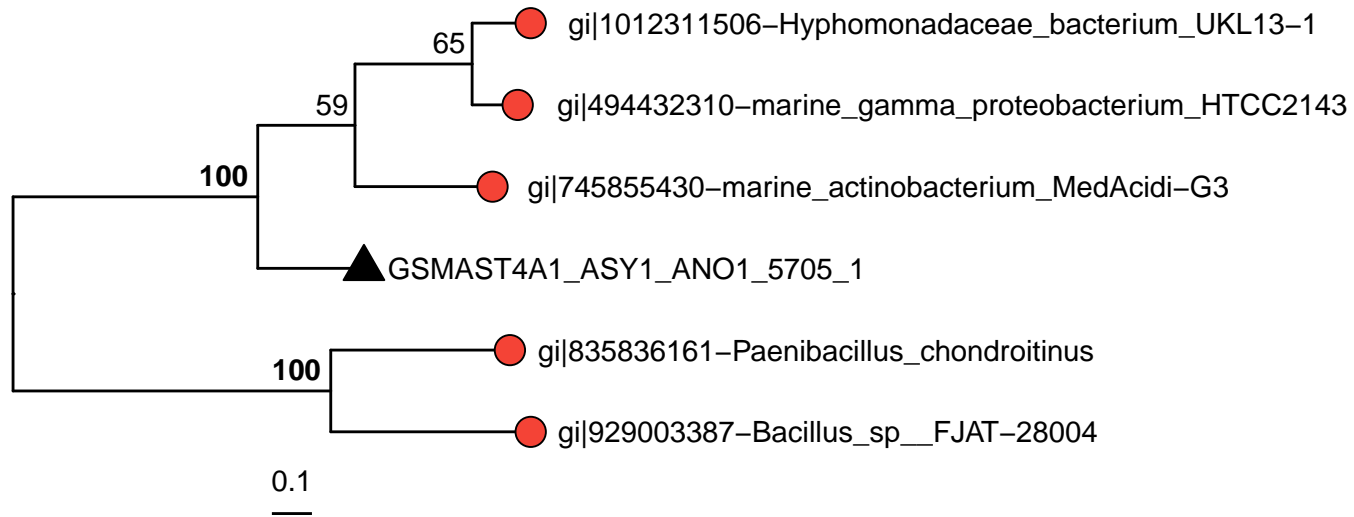
● Bacteria
▲ SAG

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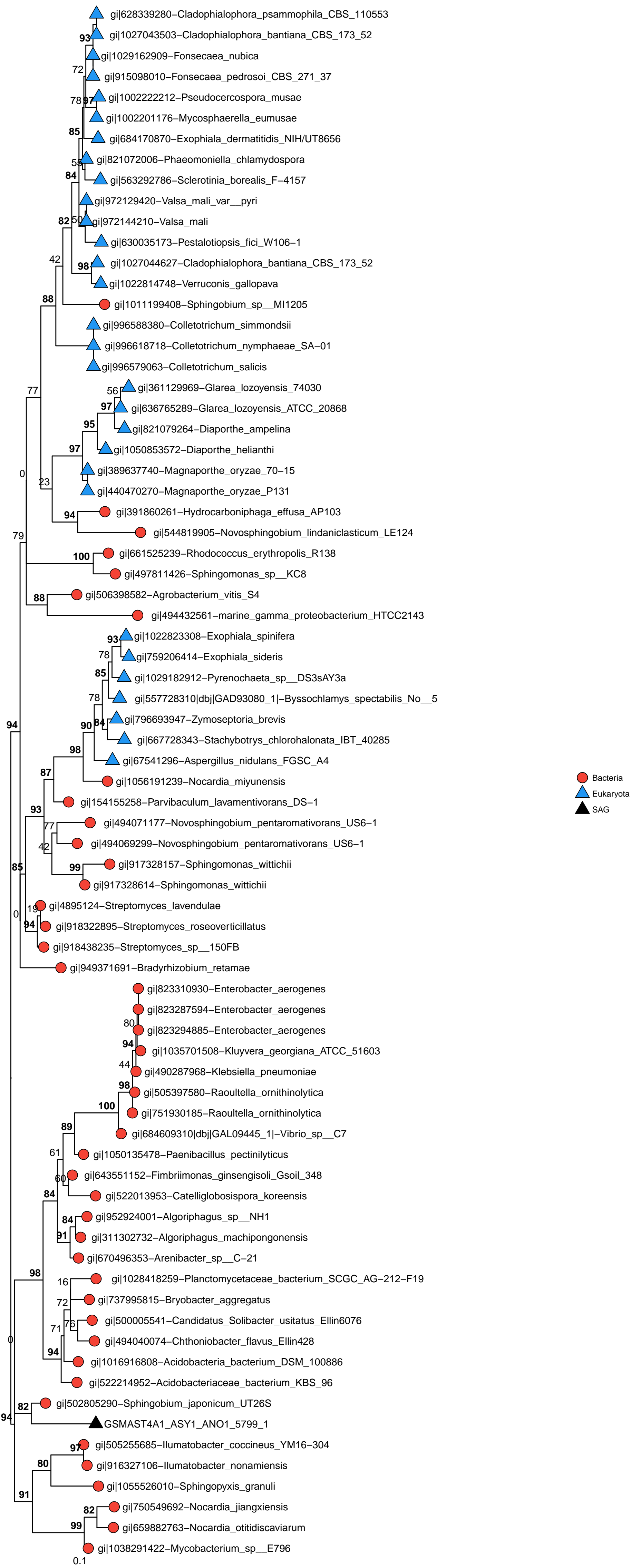
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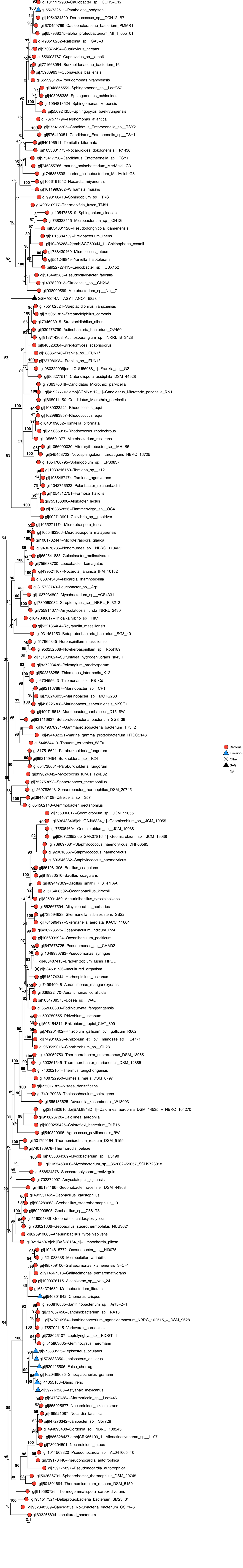


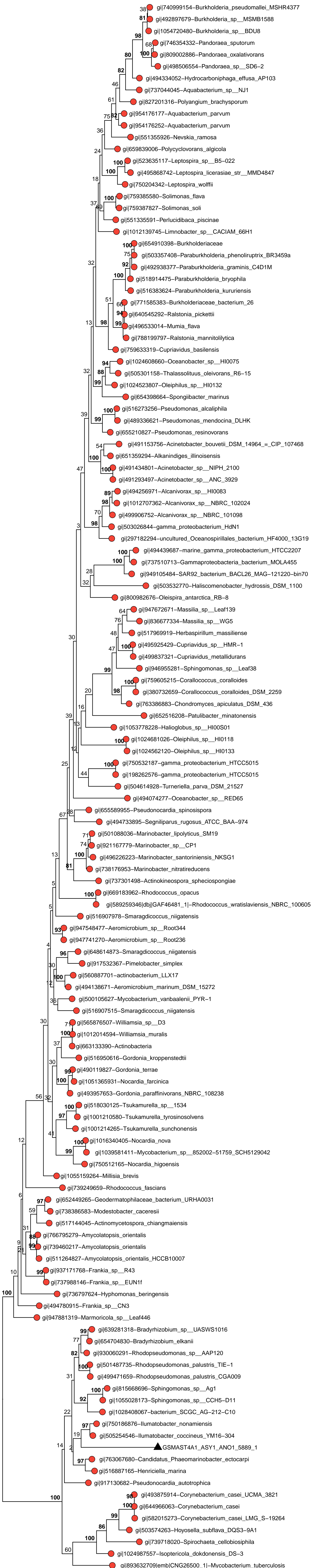


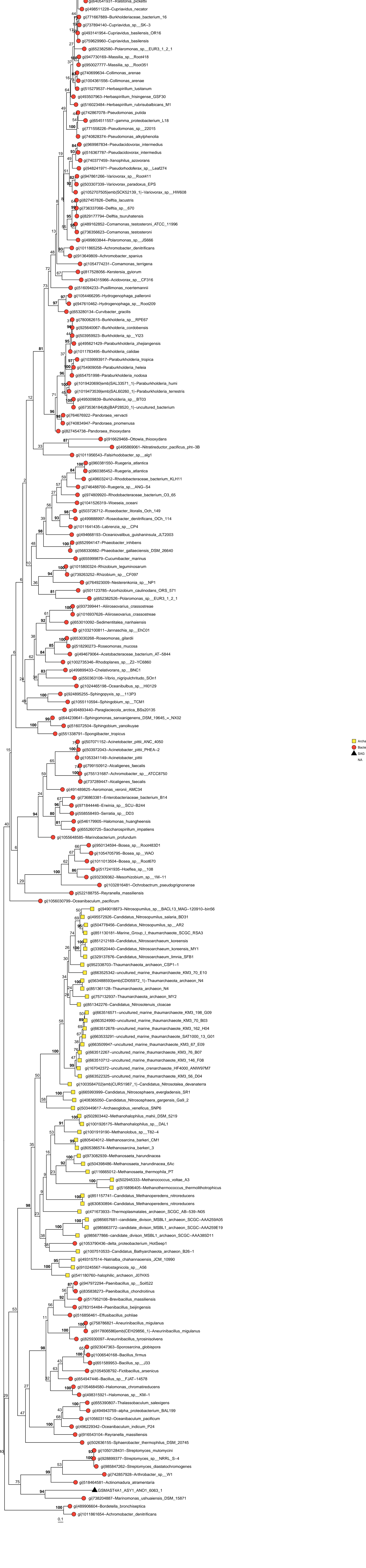


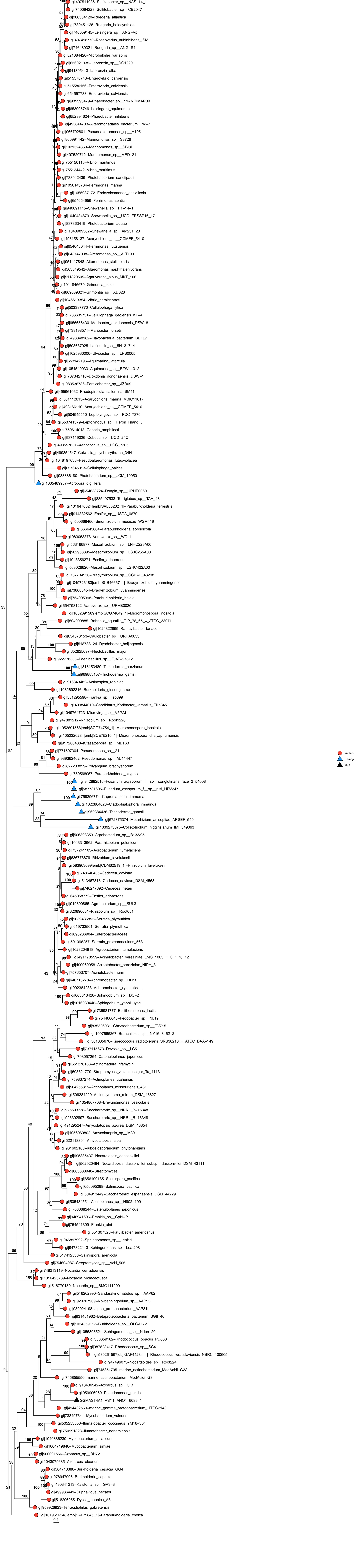
● Bacteria
▲ SAG

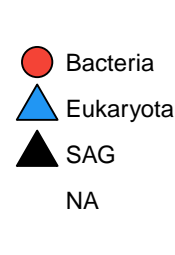
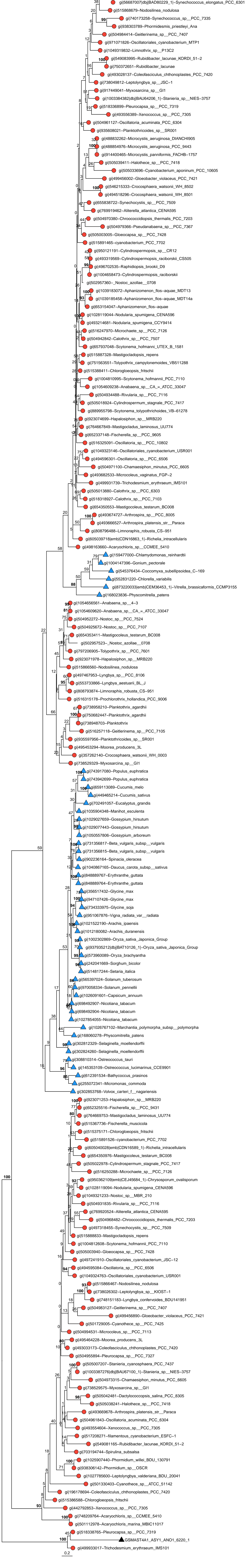


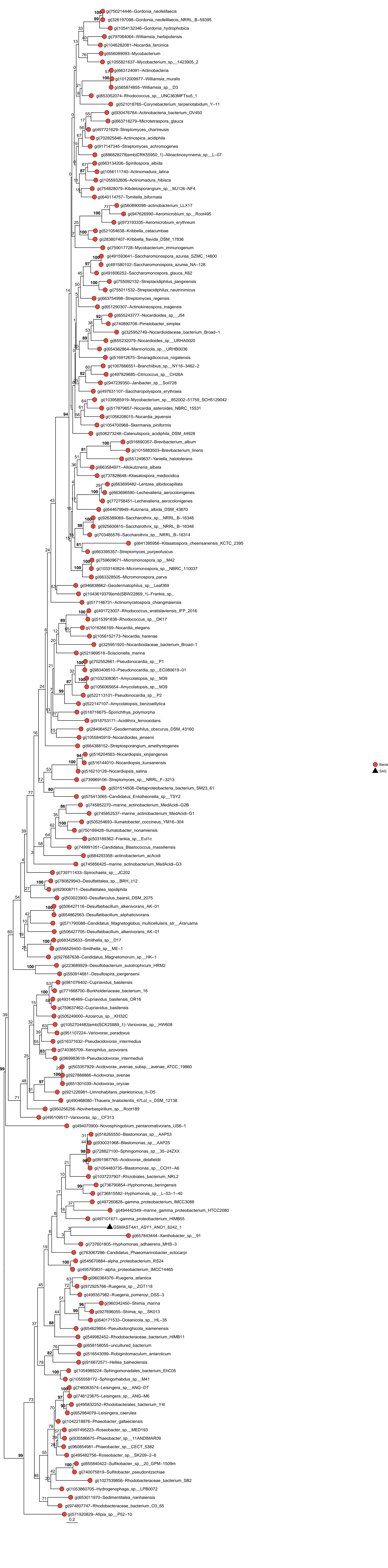


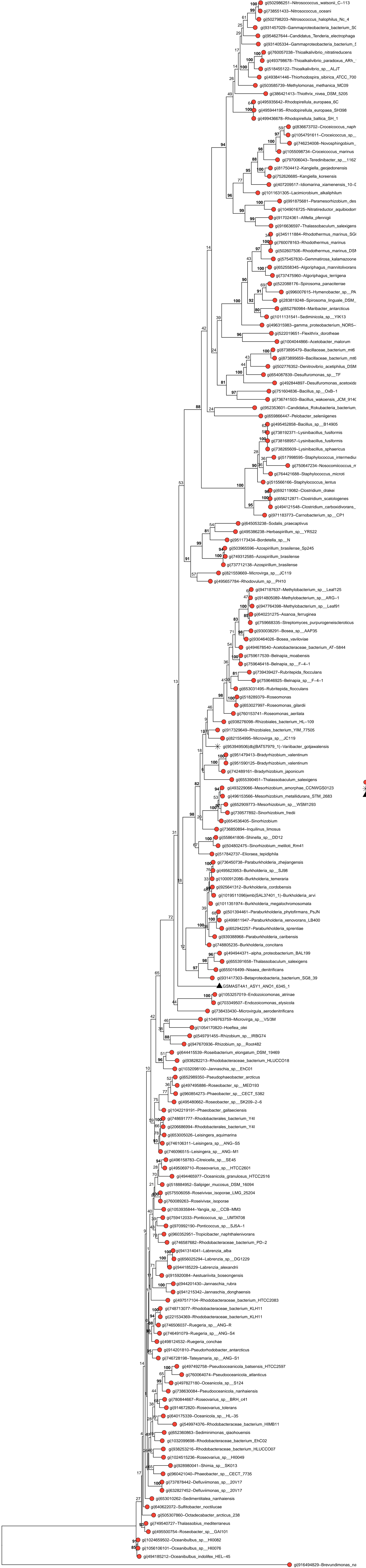


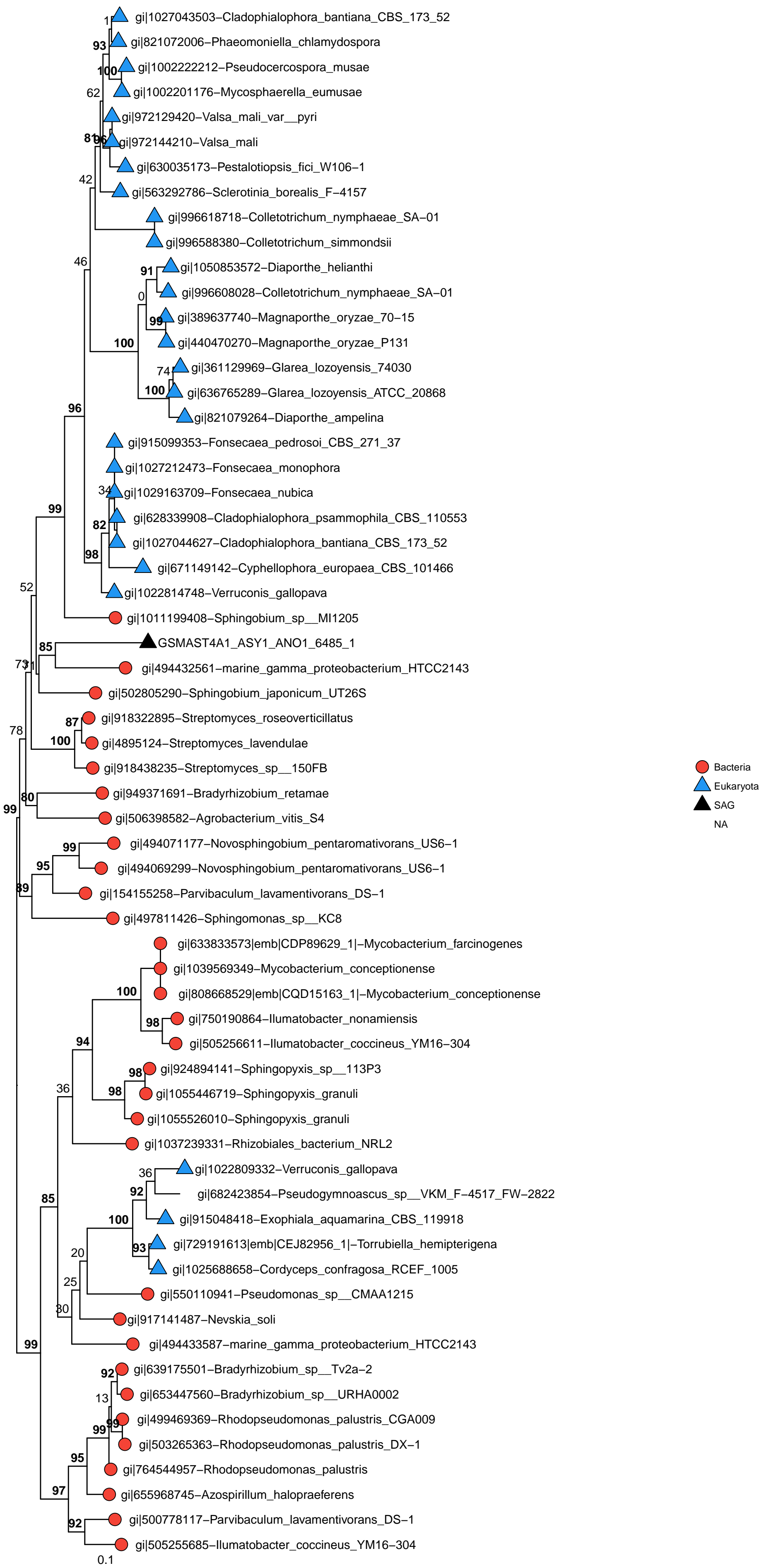


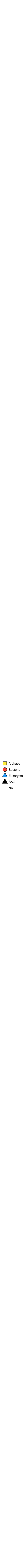
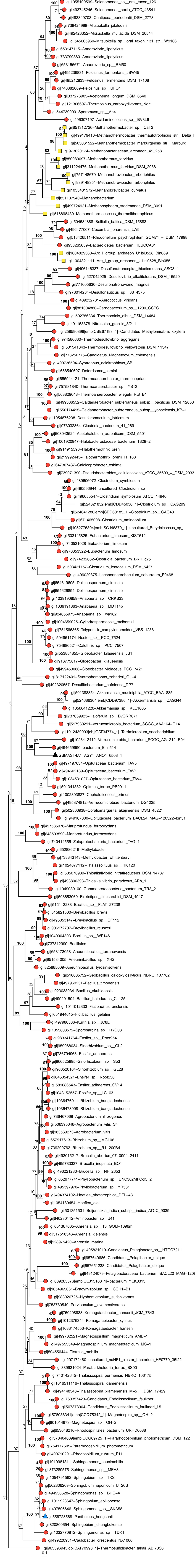


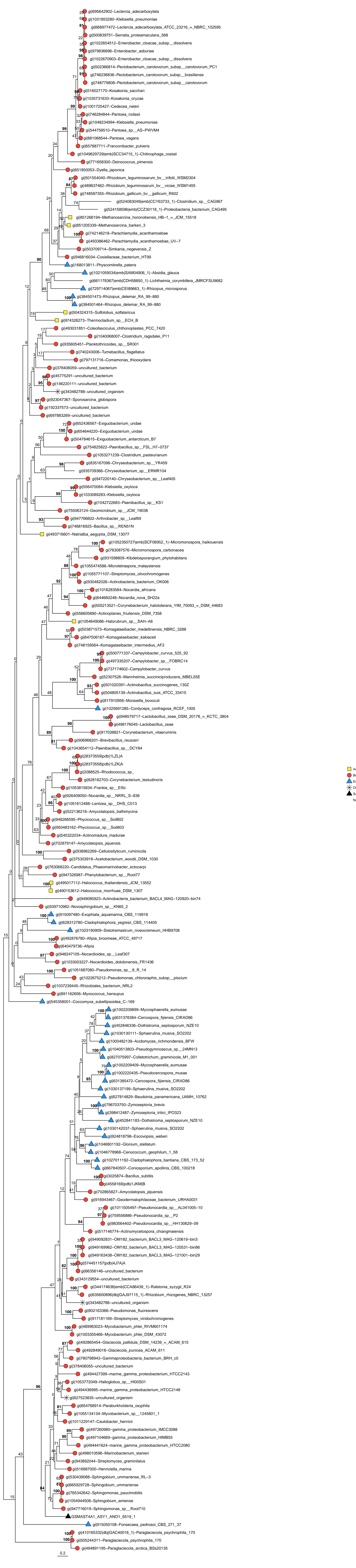


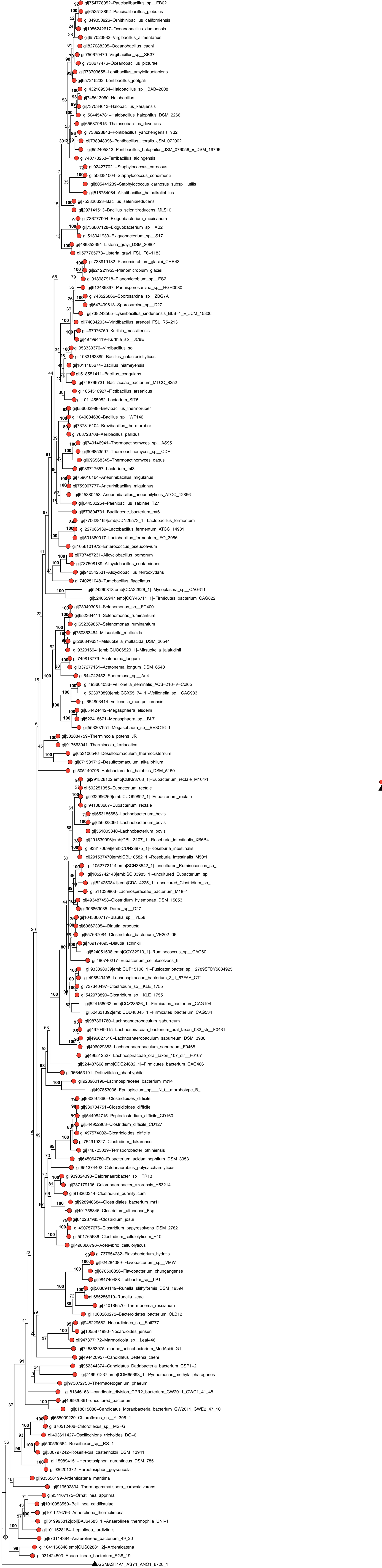


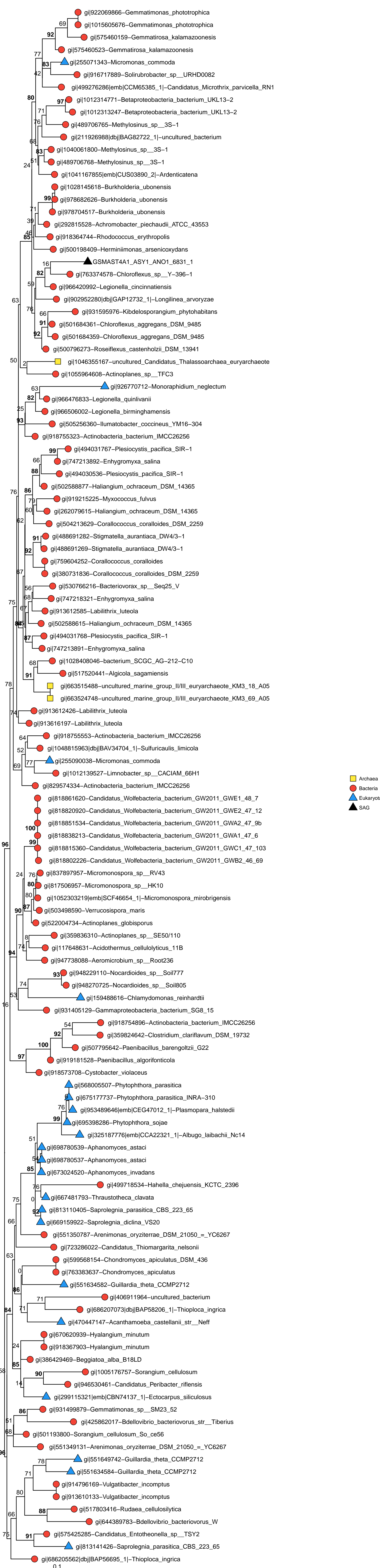


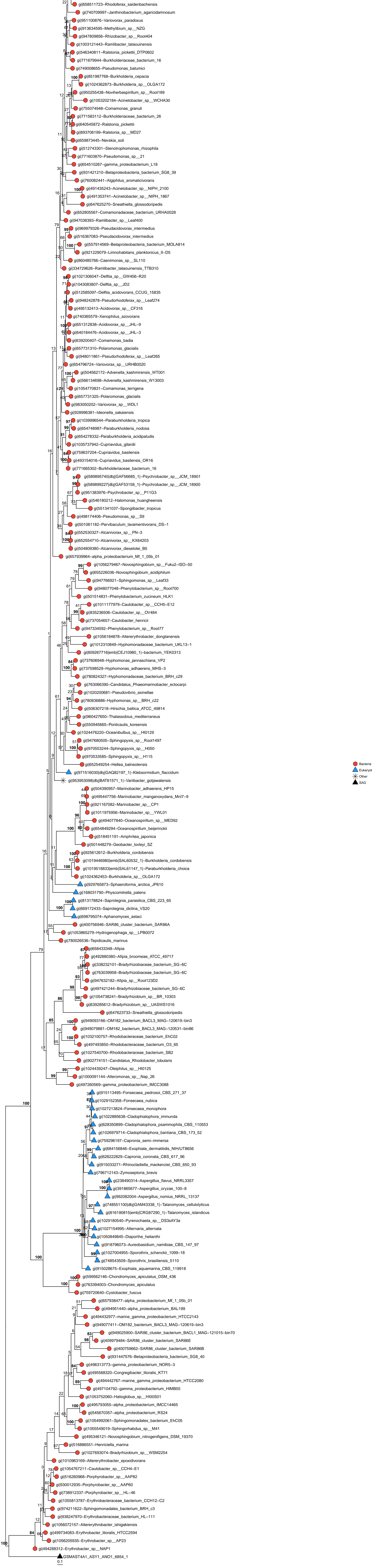


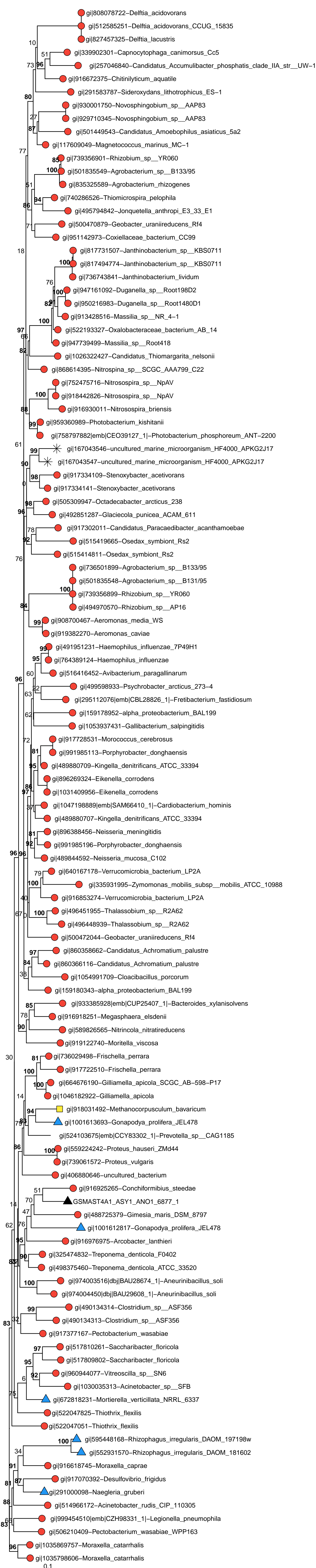


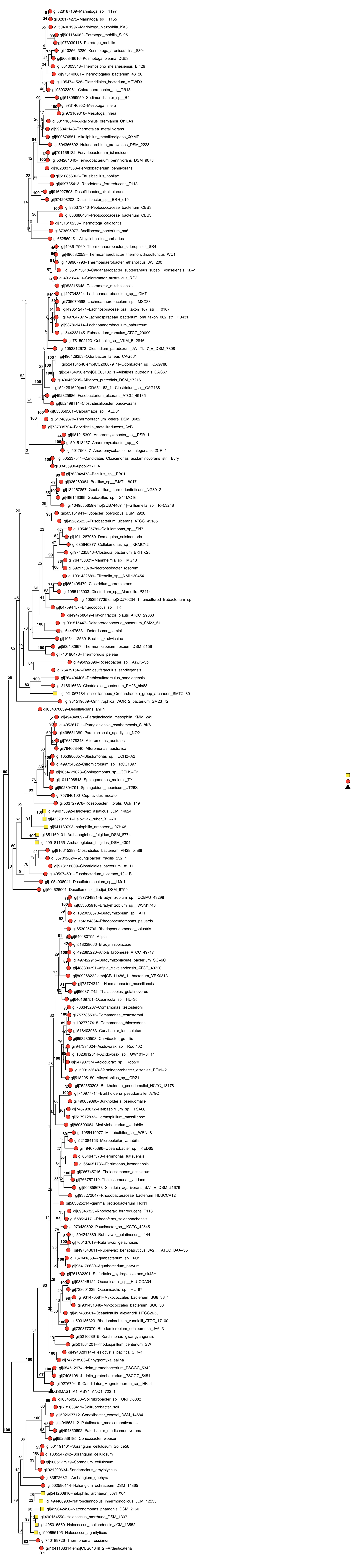


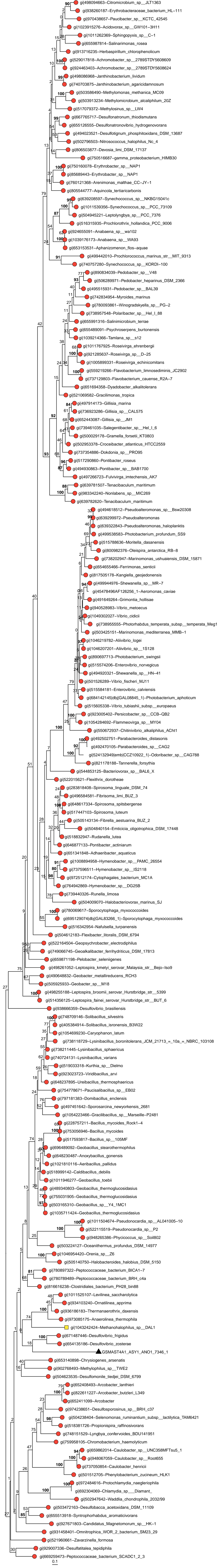


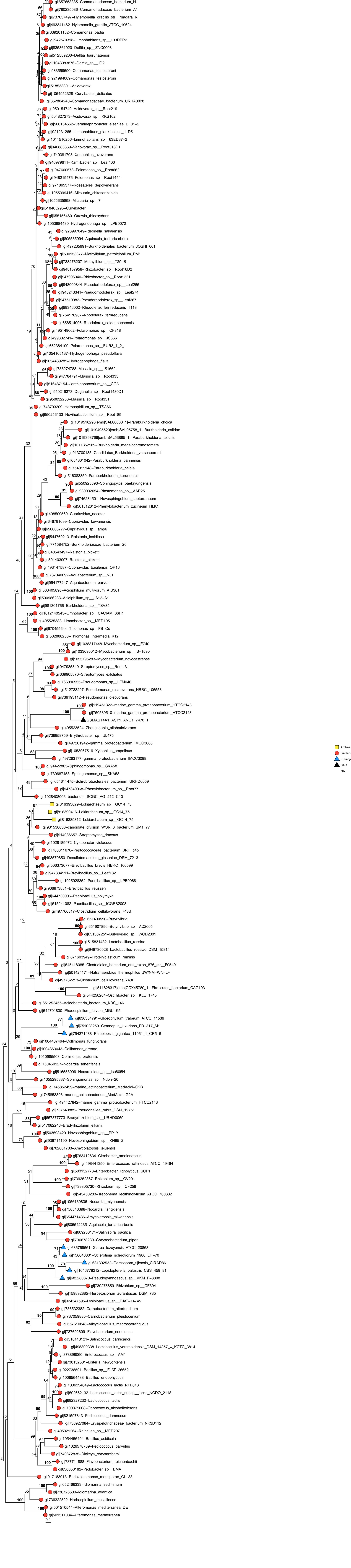


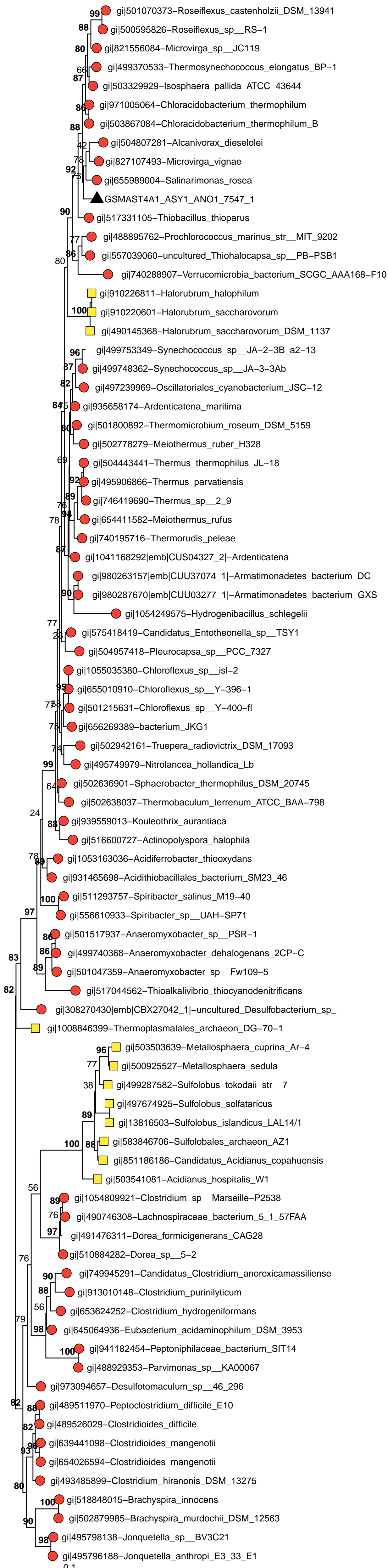


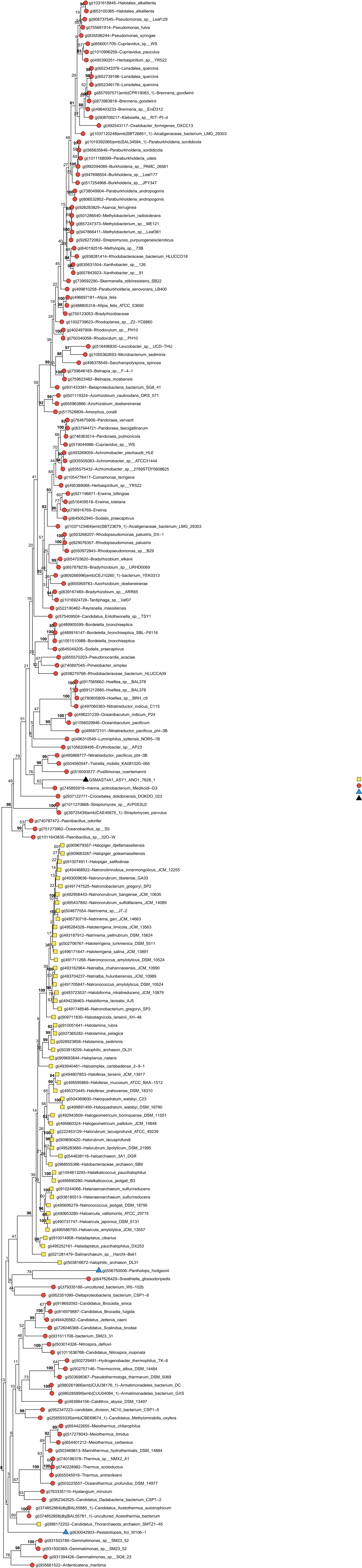


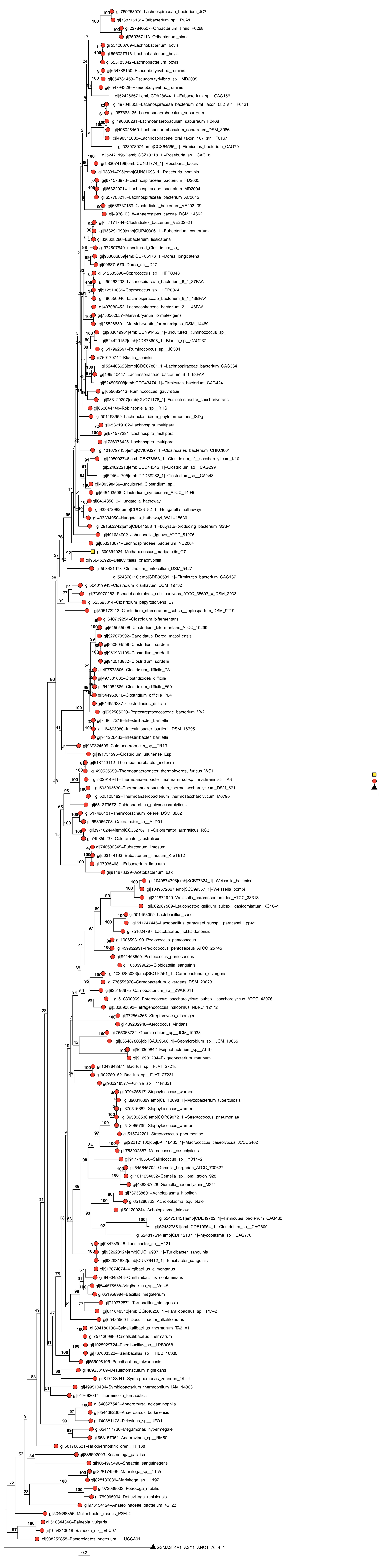


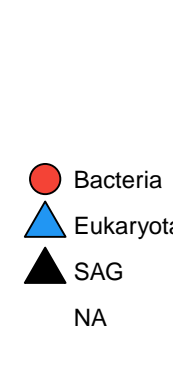
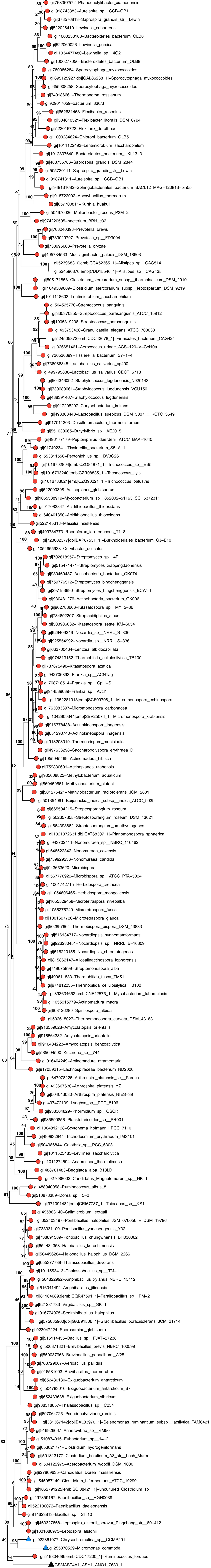




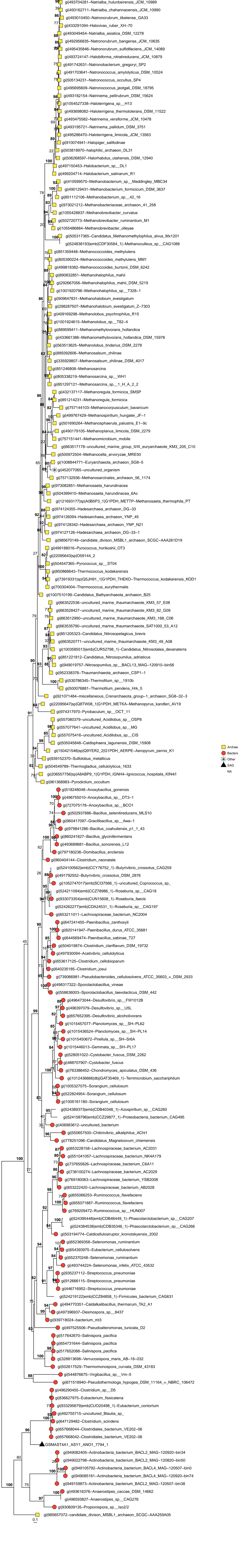


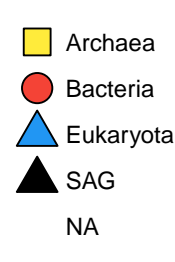
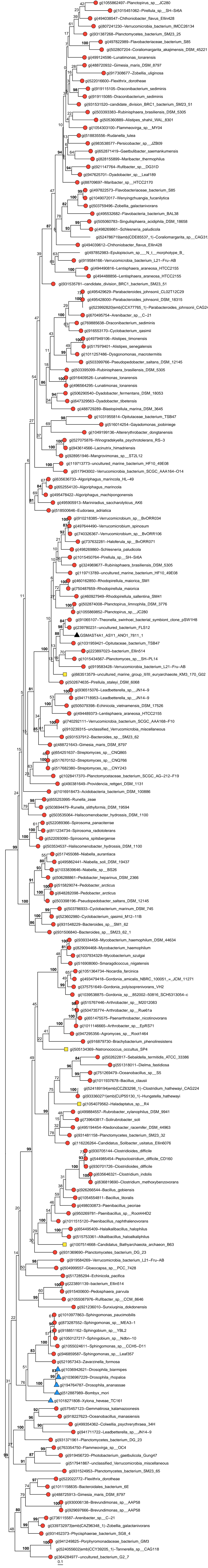


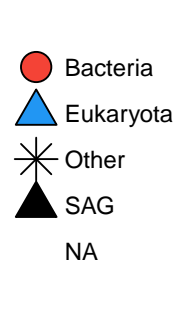
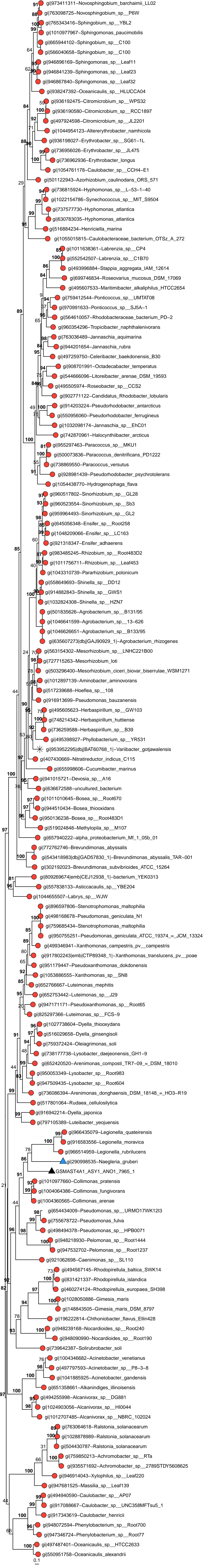




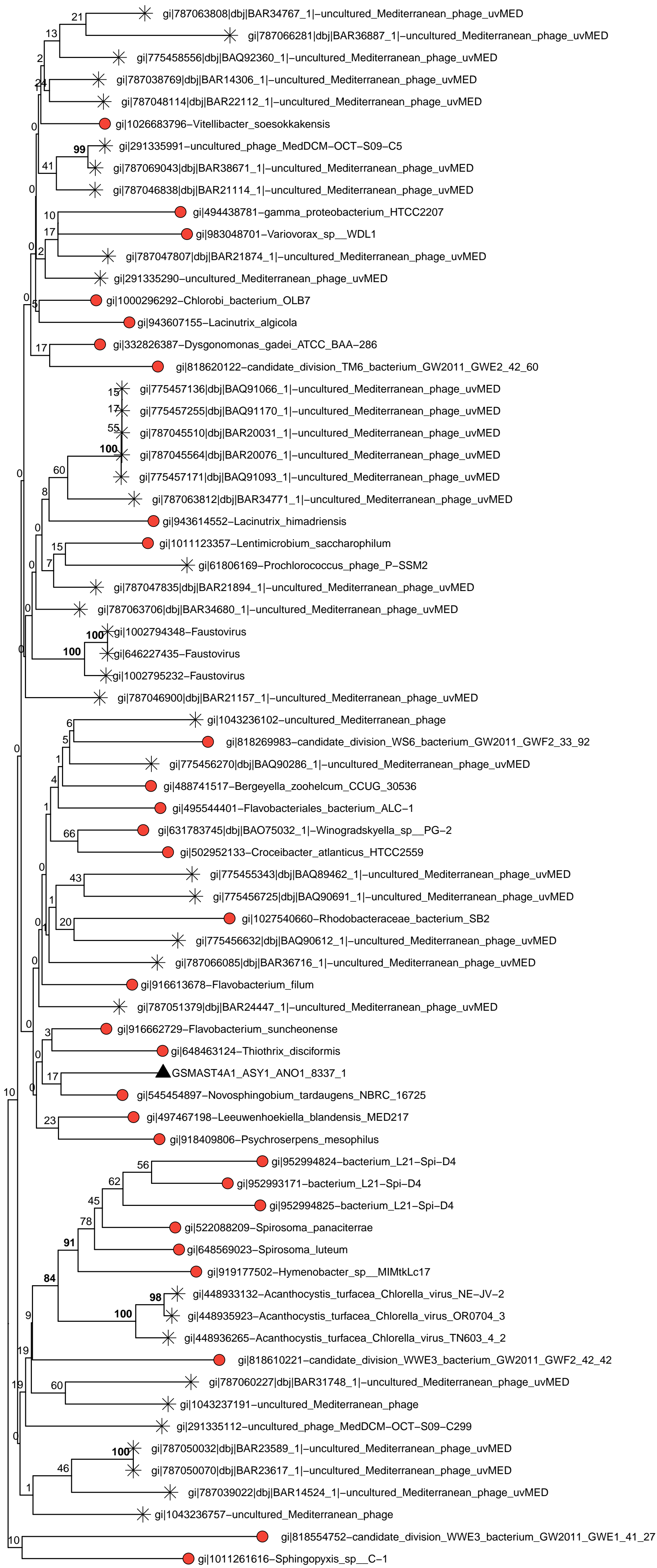
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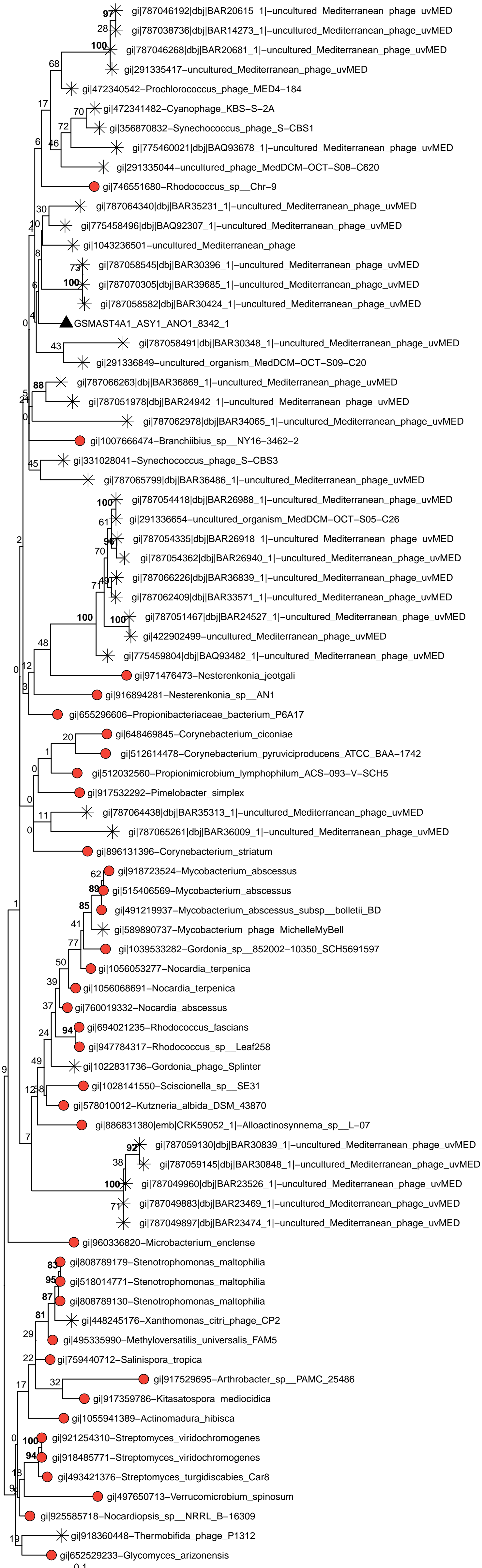


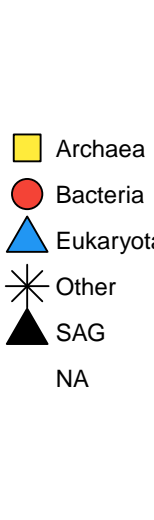
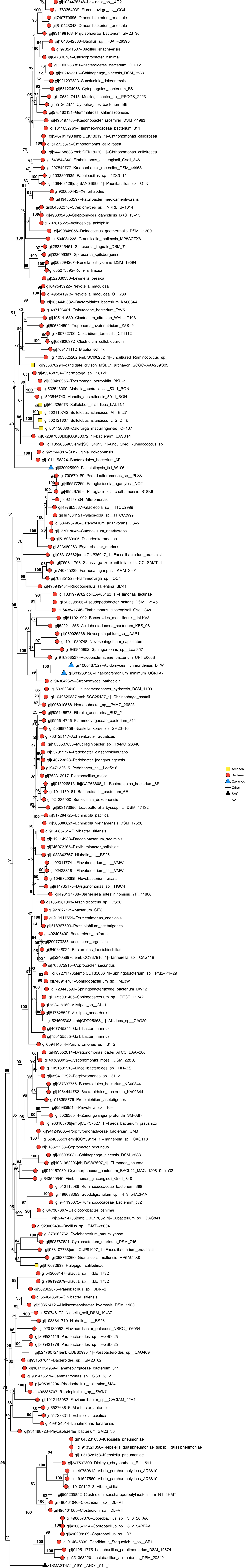




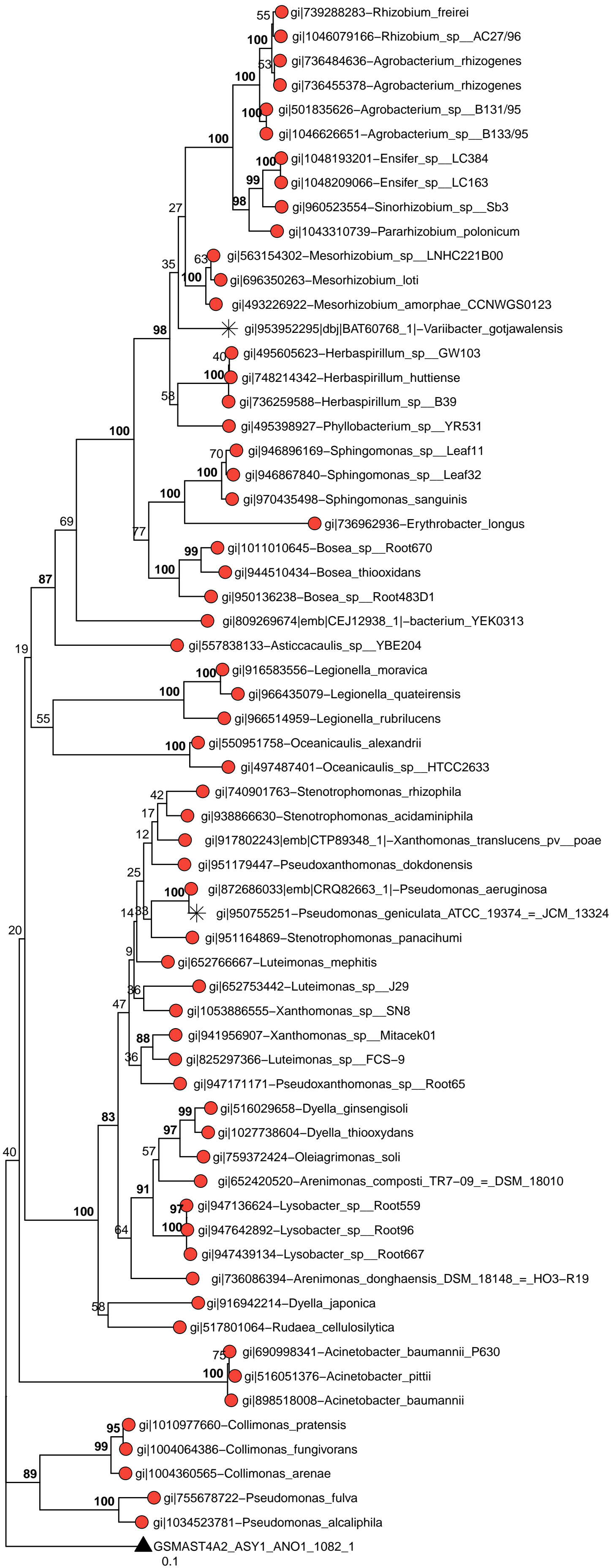
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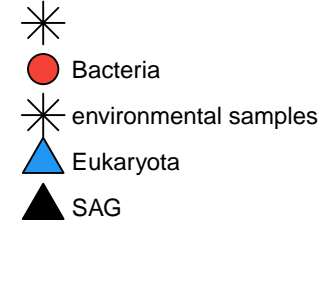
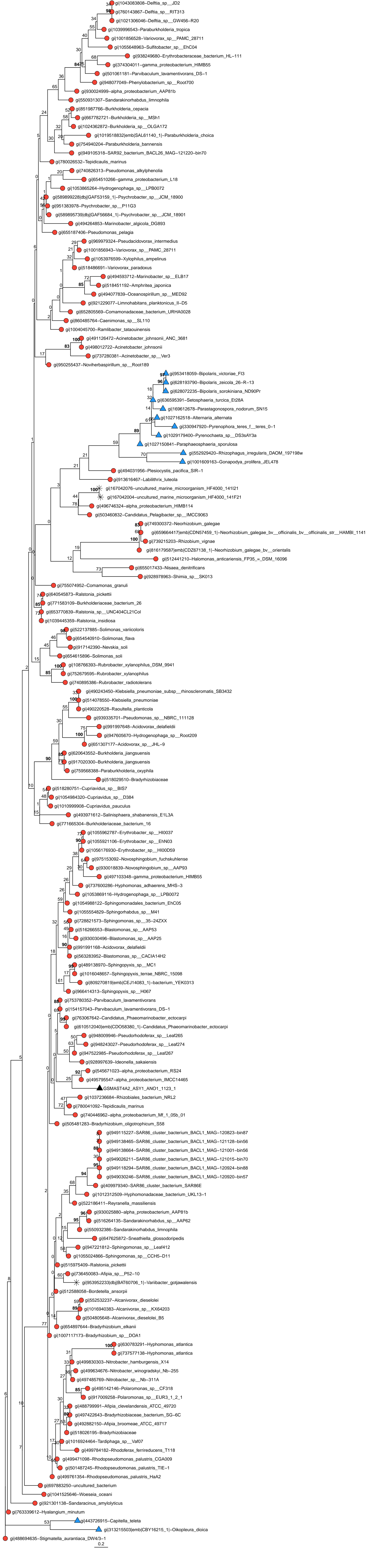




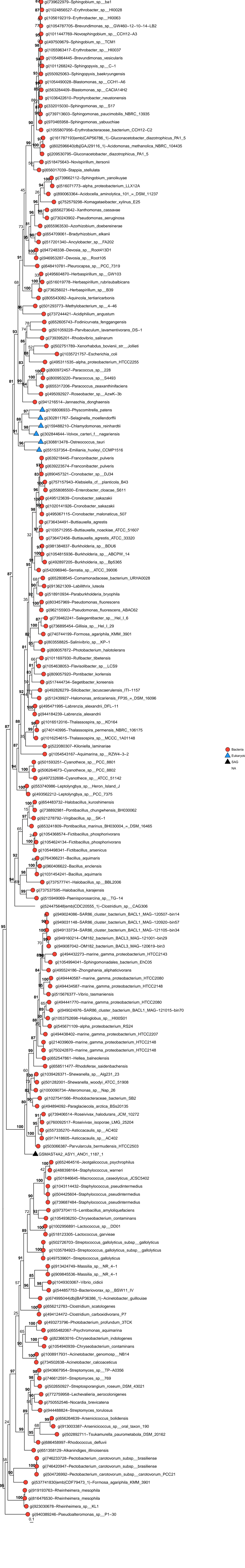
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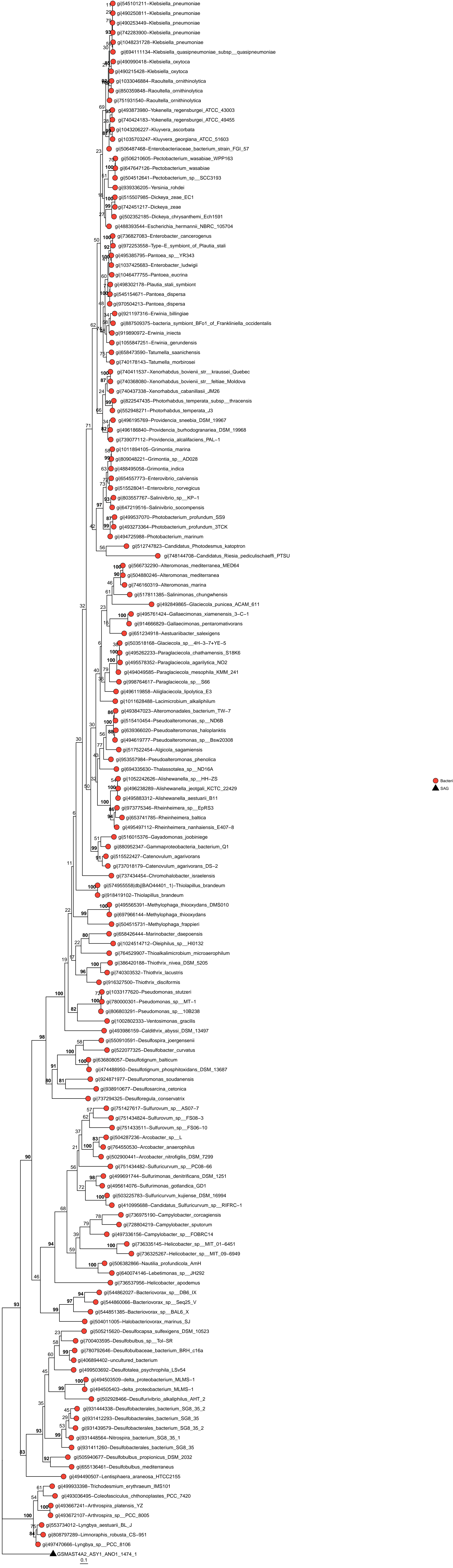


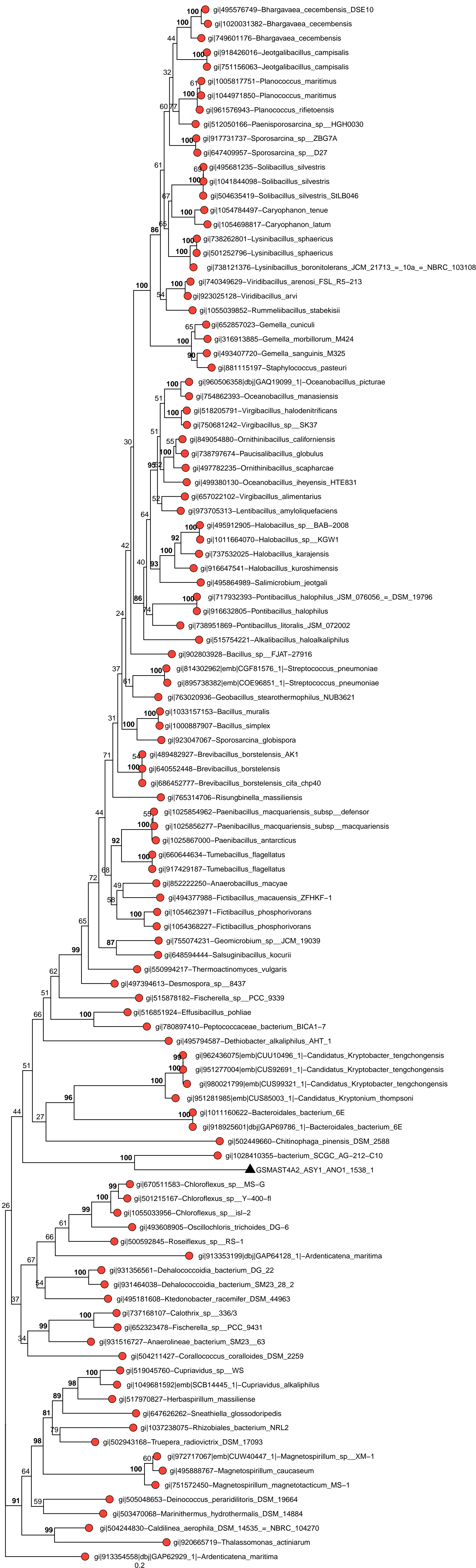
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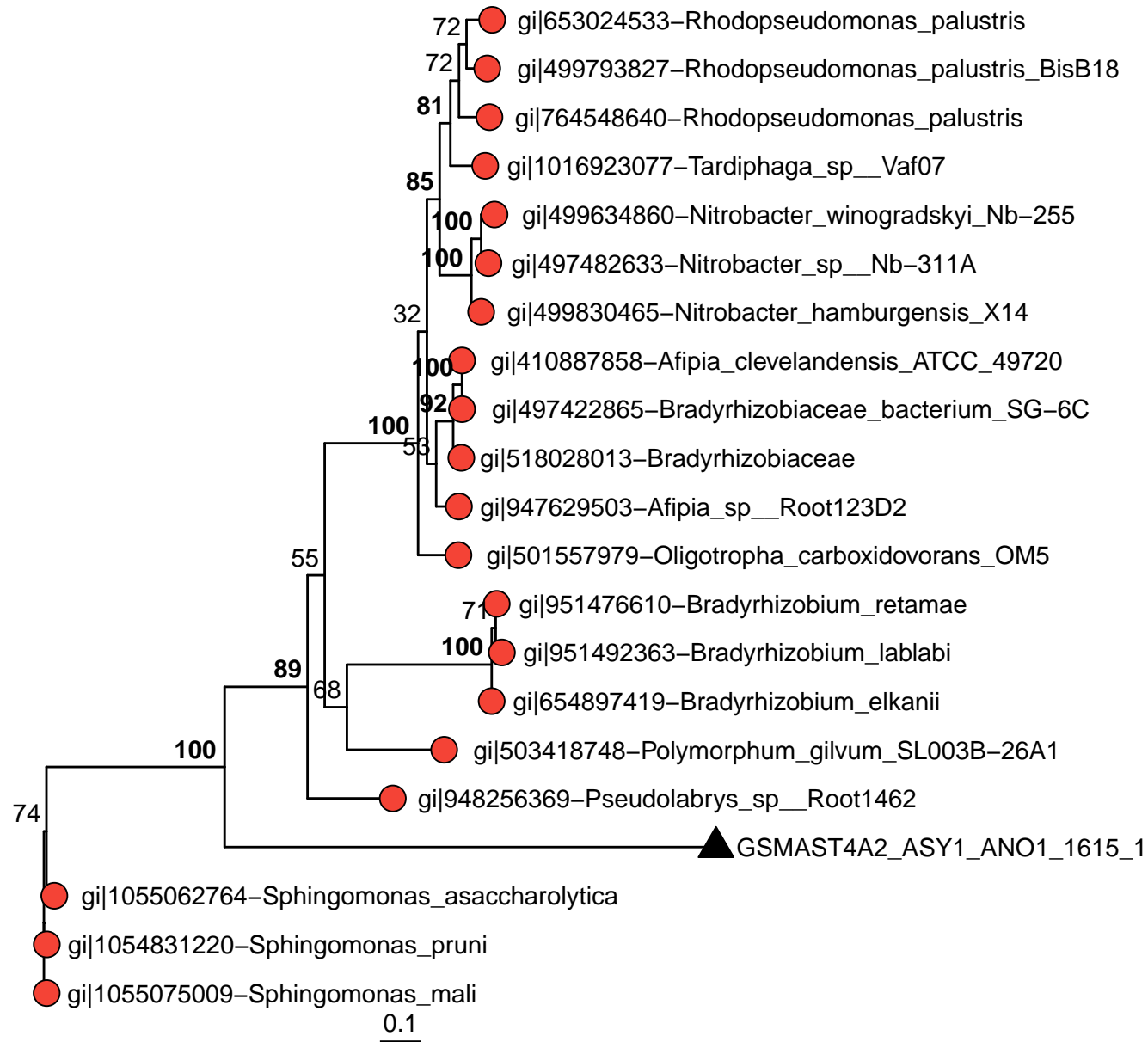


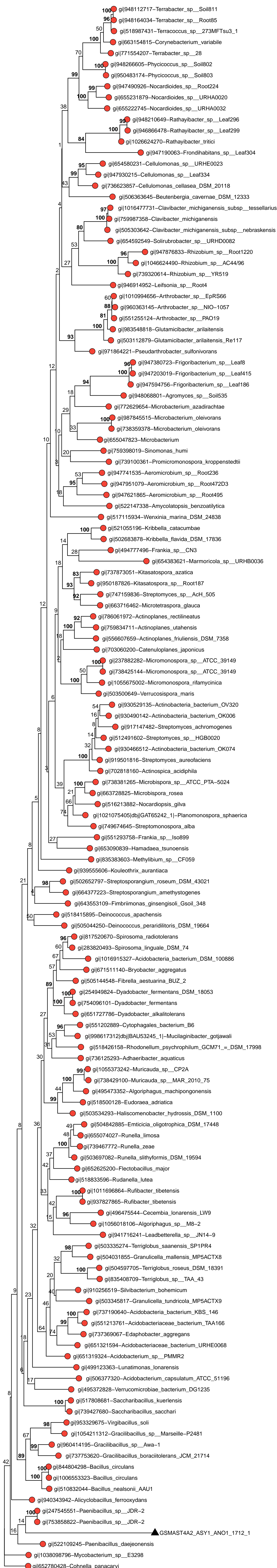


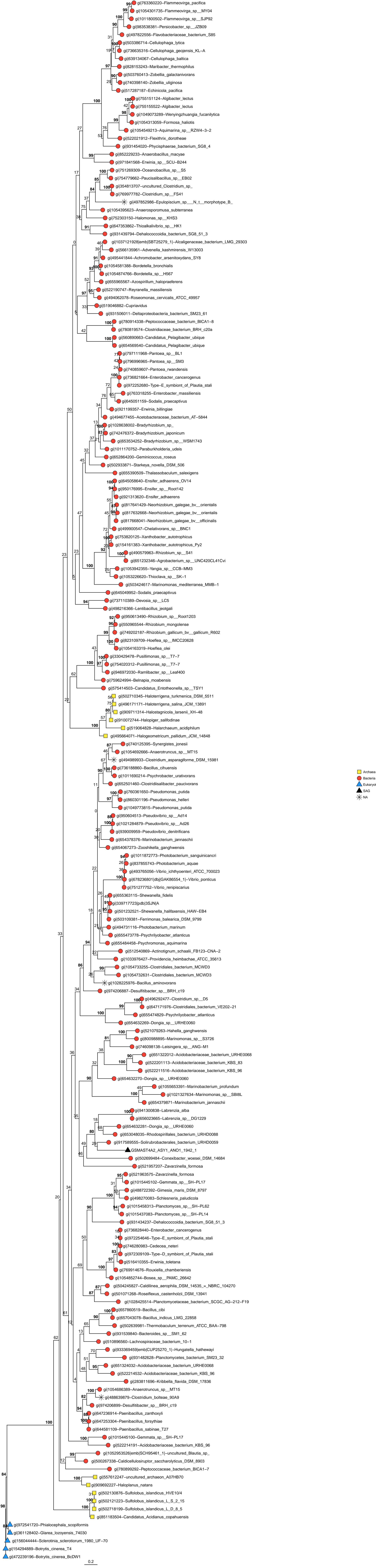


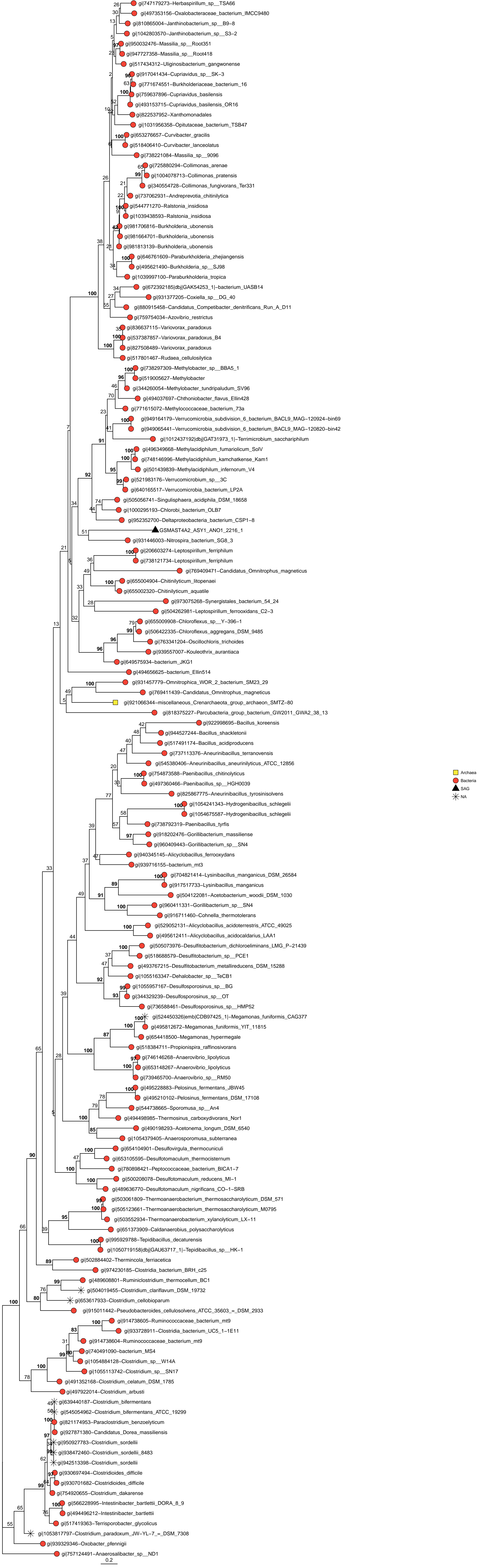
● Bacteria
▲ SAG

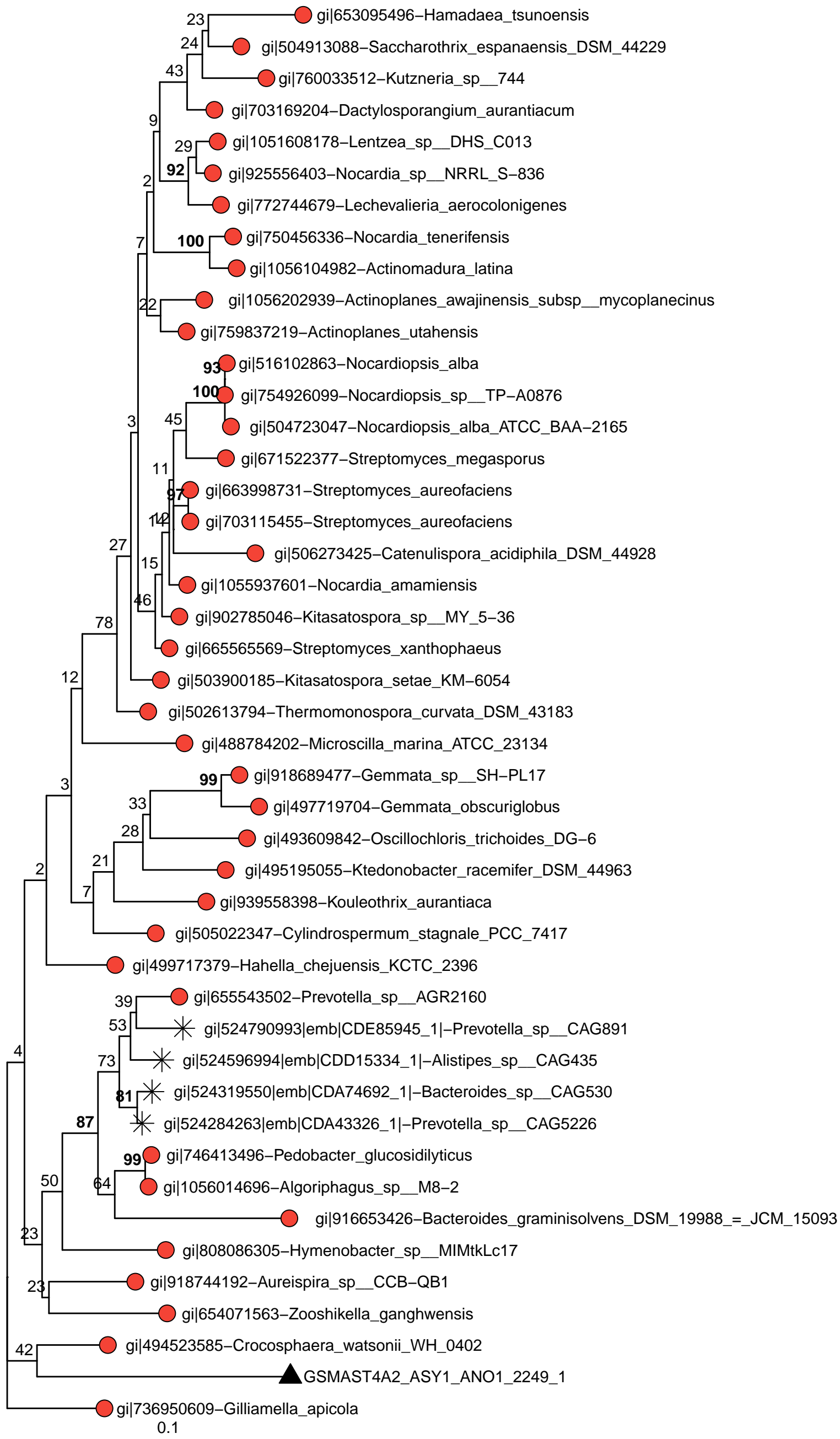
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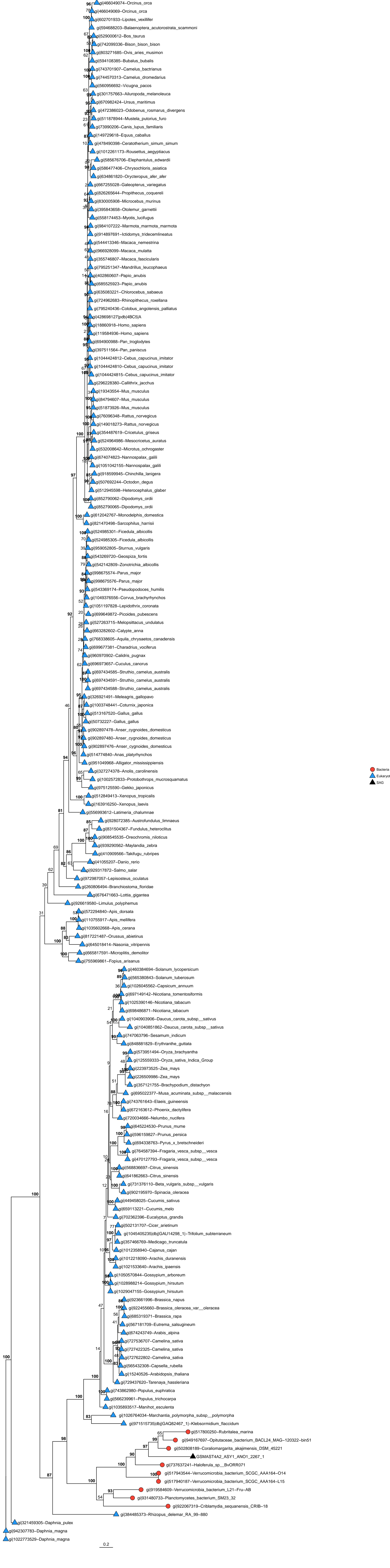






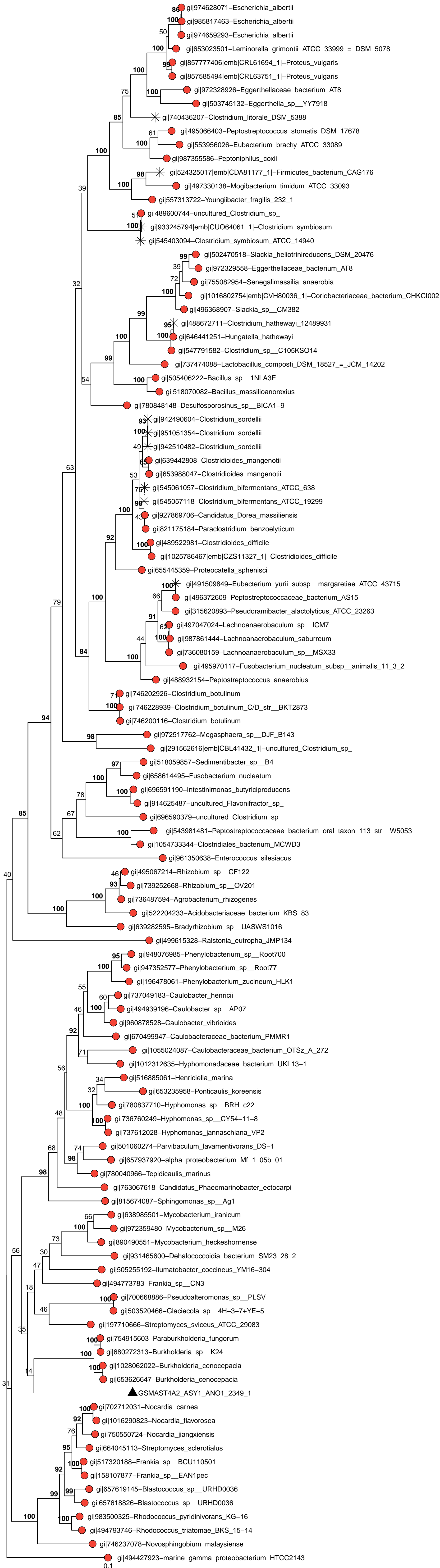
● Bacteria
▲ SAG
✱ NA

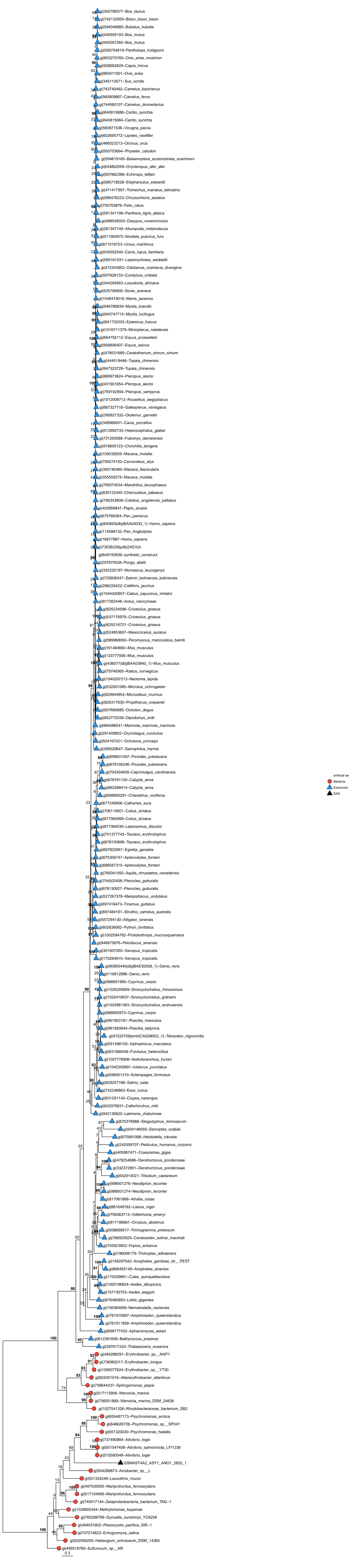
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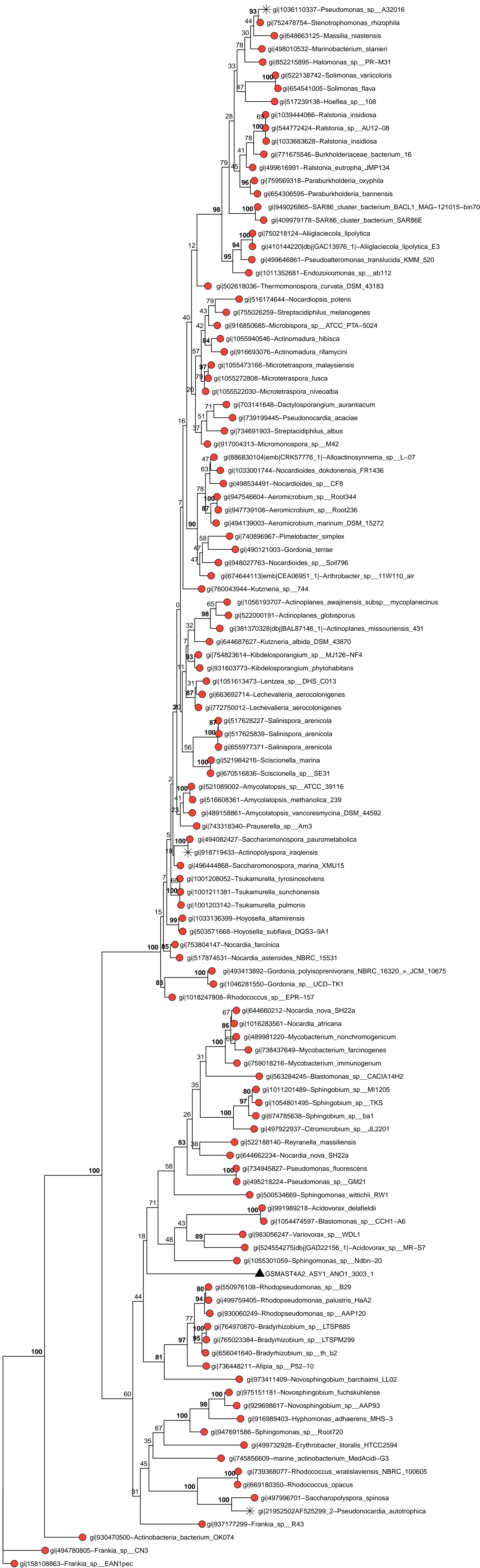


● Bacteria
▲ Eukaryota
▲ SAG

0.2

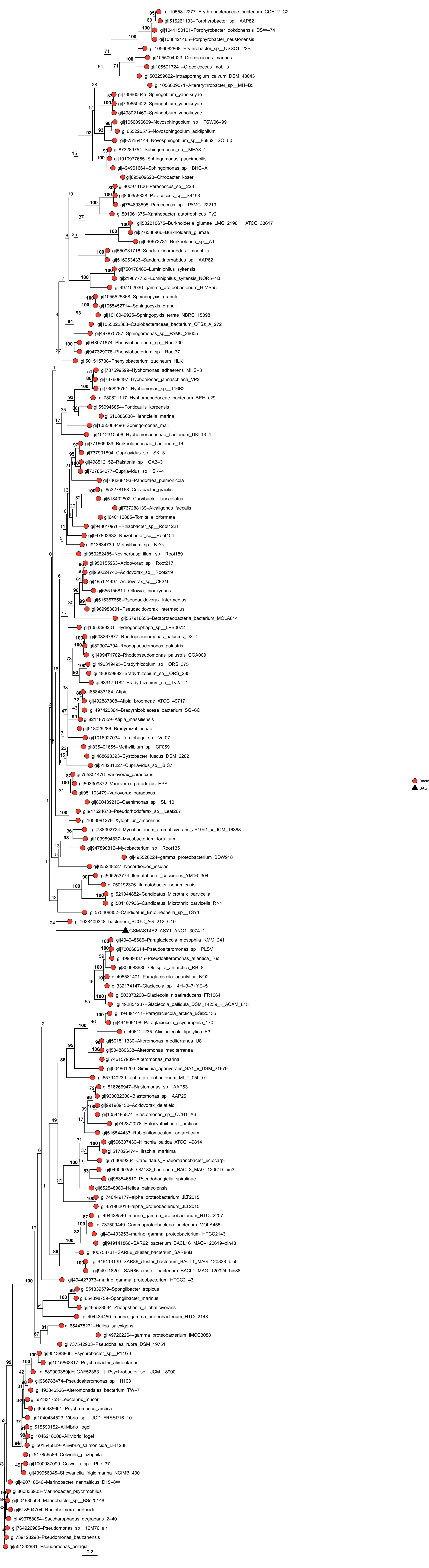






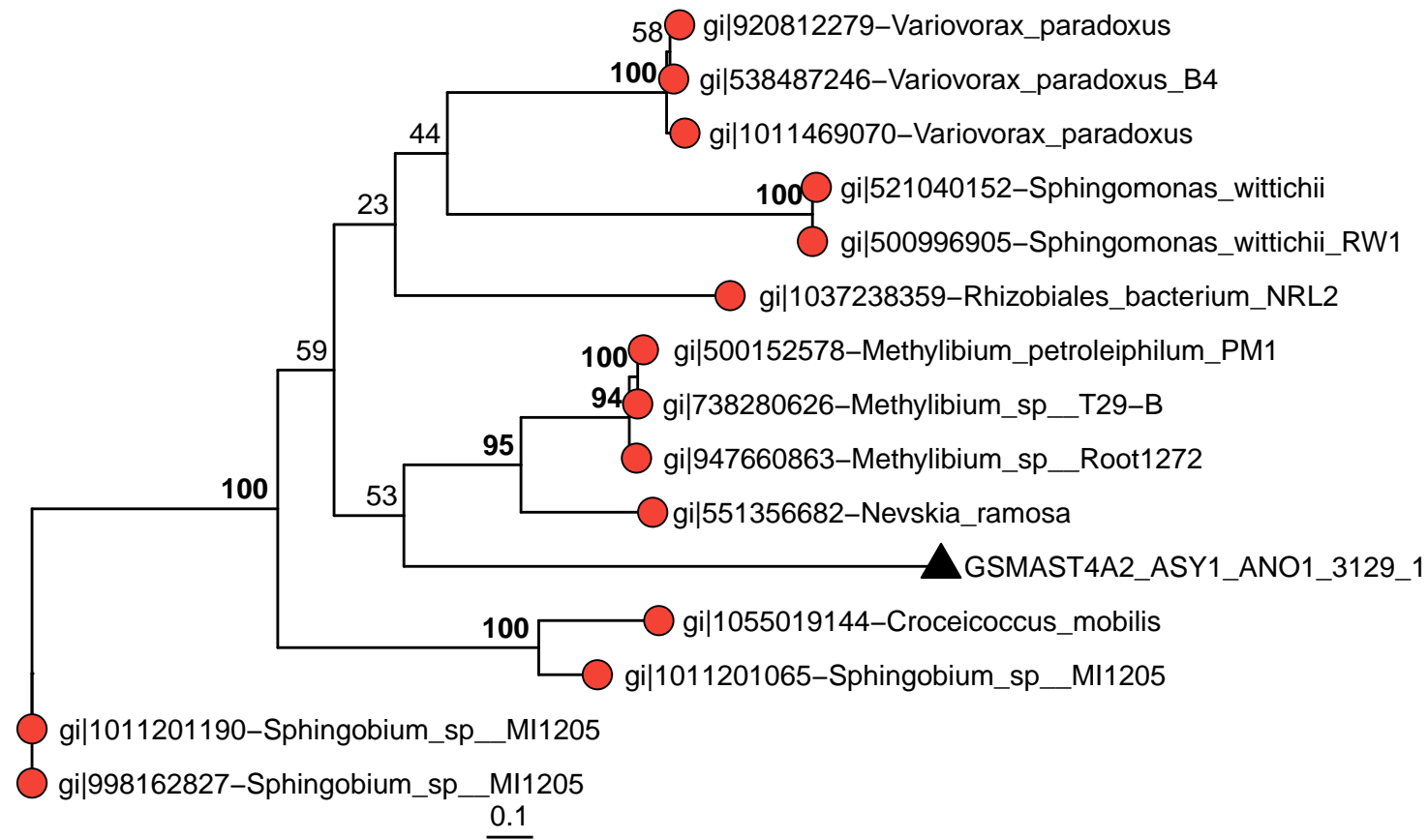
● Bacteria
▲ SAG
✱ NA

0.2

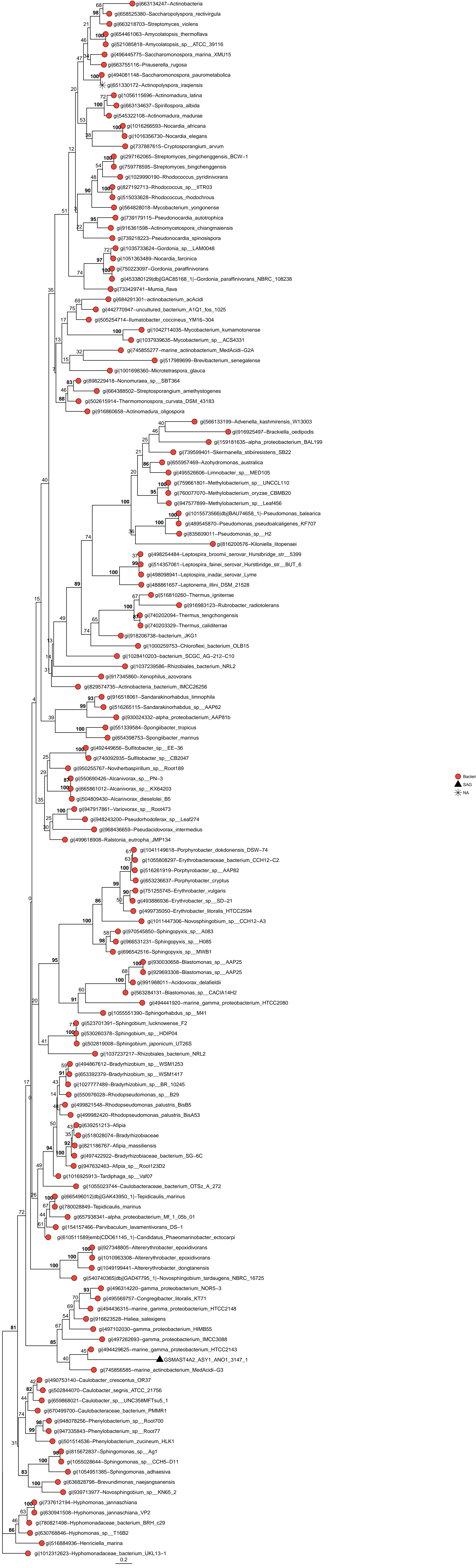


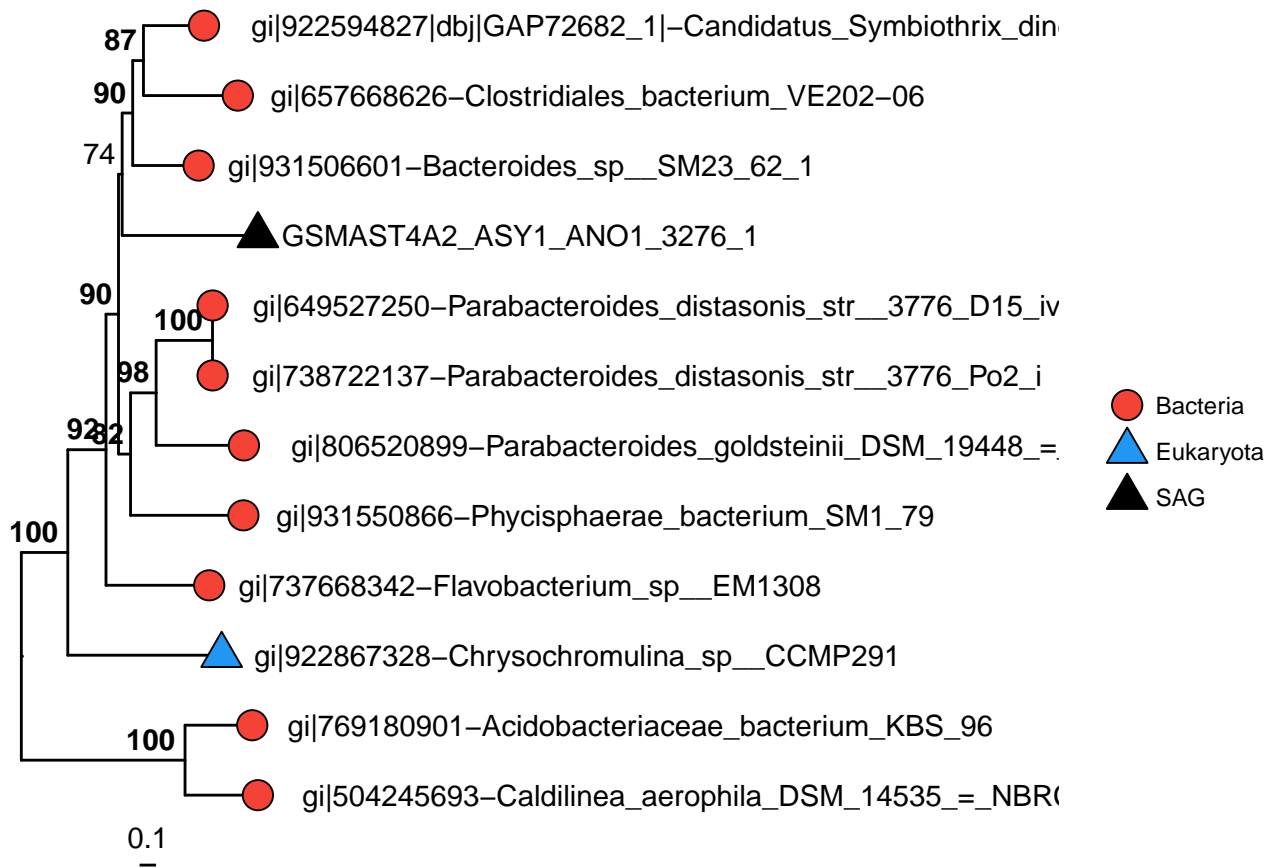
● Bacteria
▲ SAG

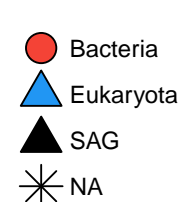
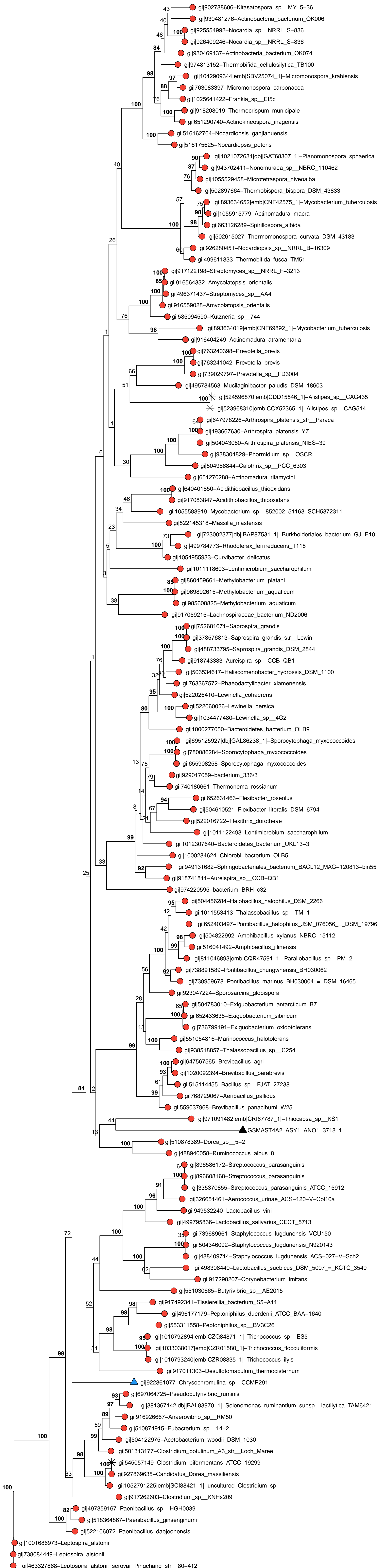
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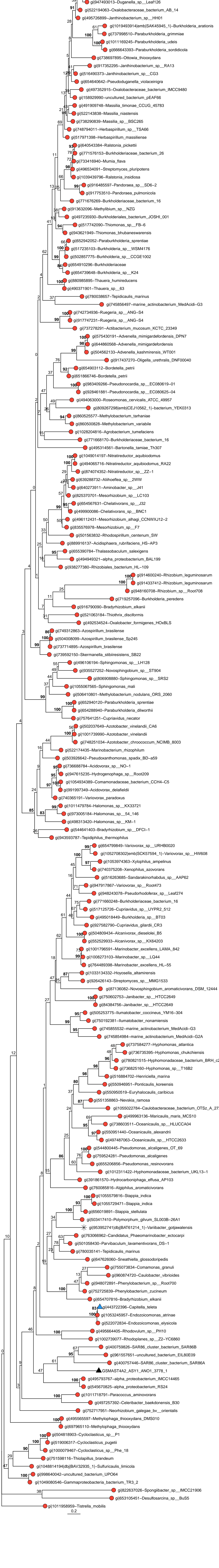


● Bacteria
▲ SAG

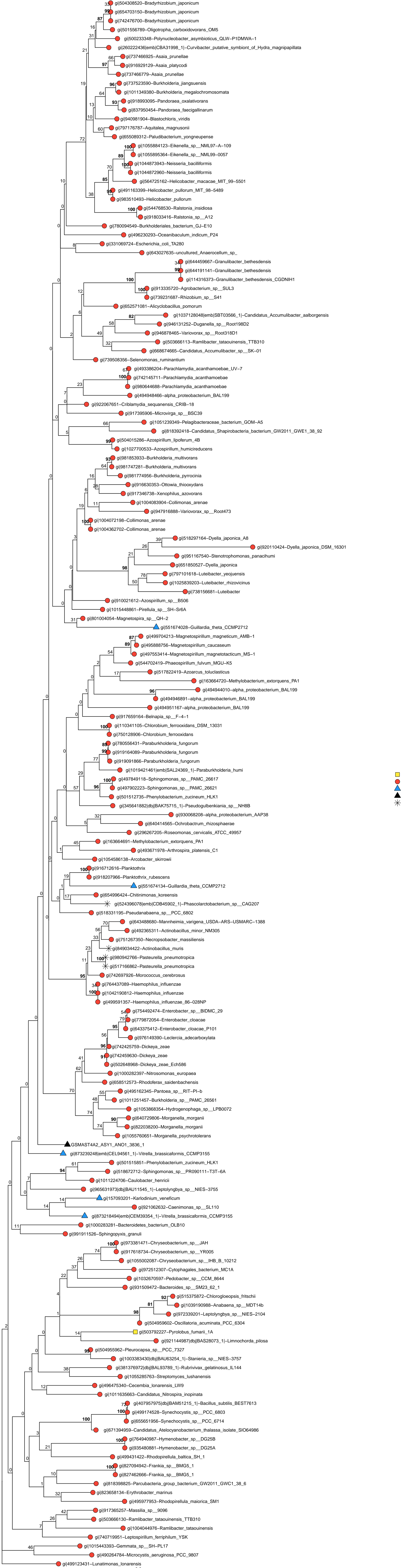


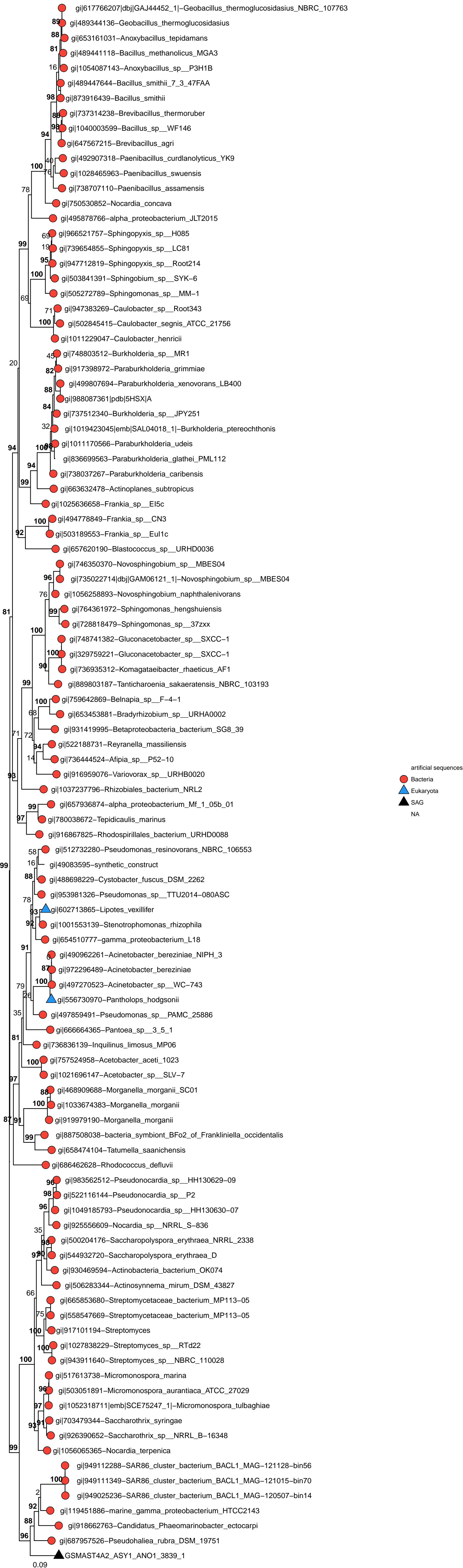


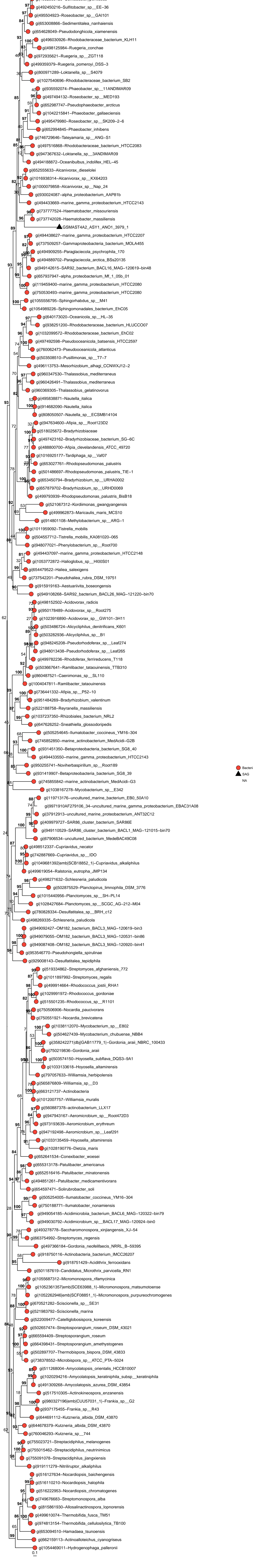


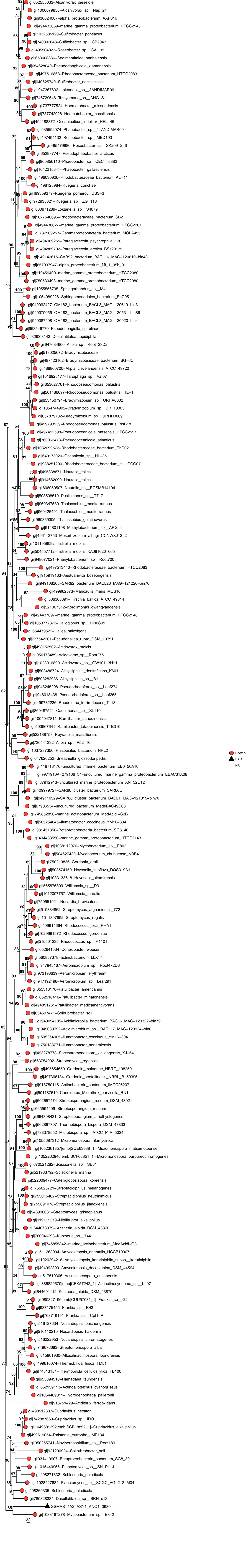


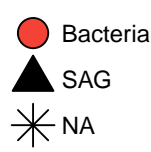
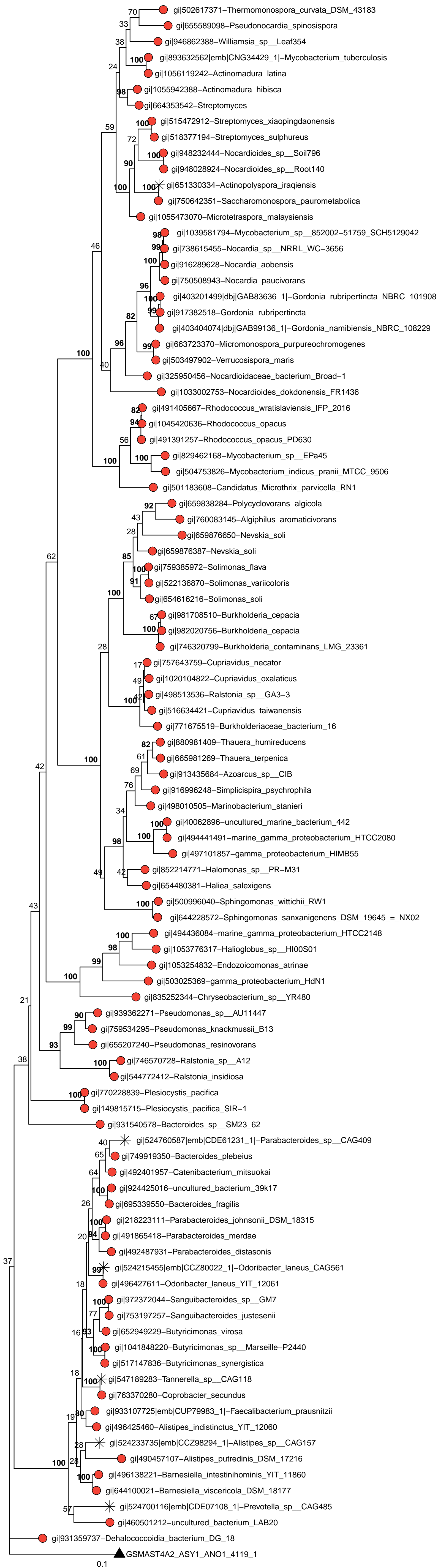
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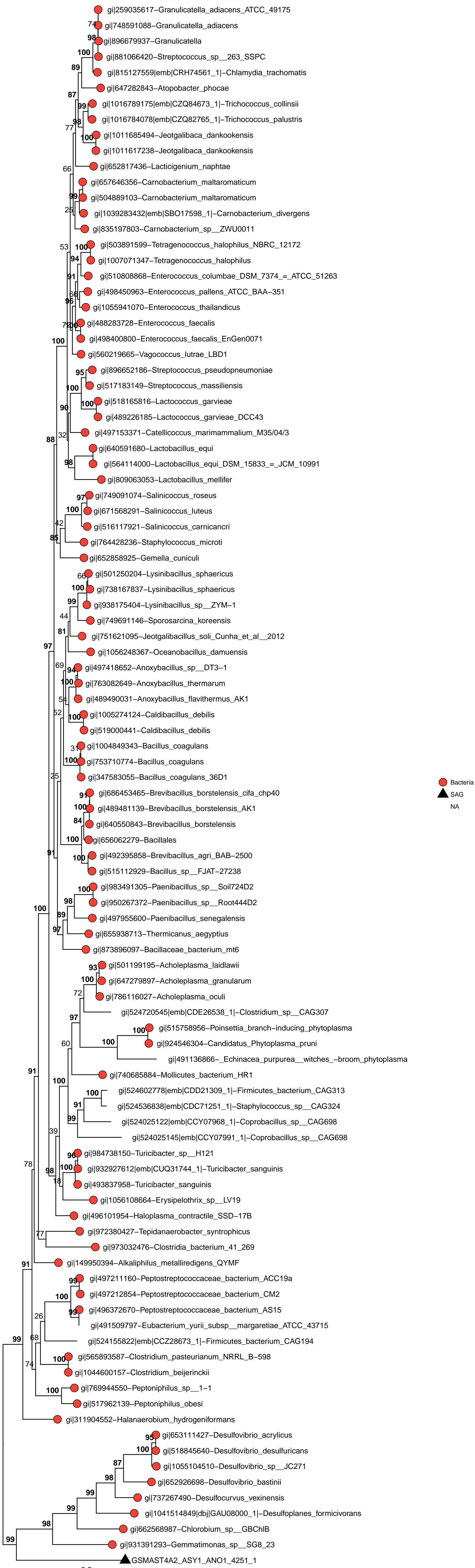


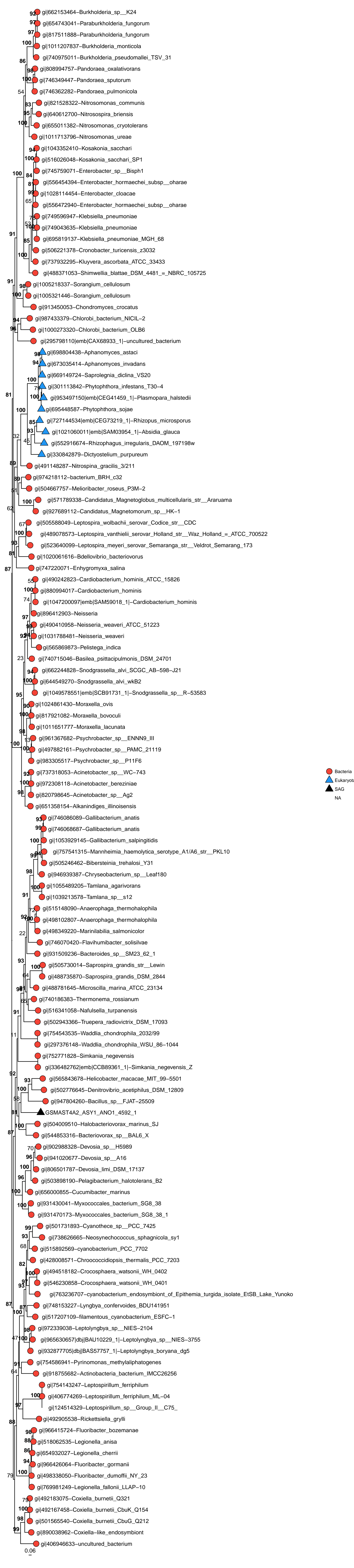


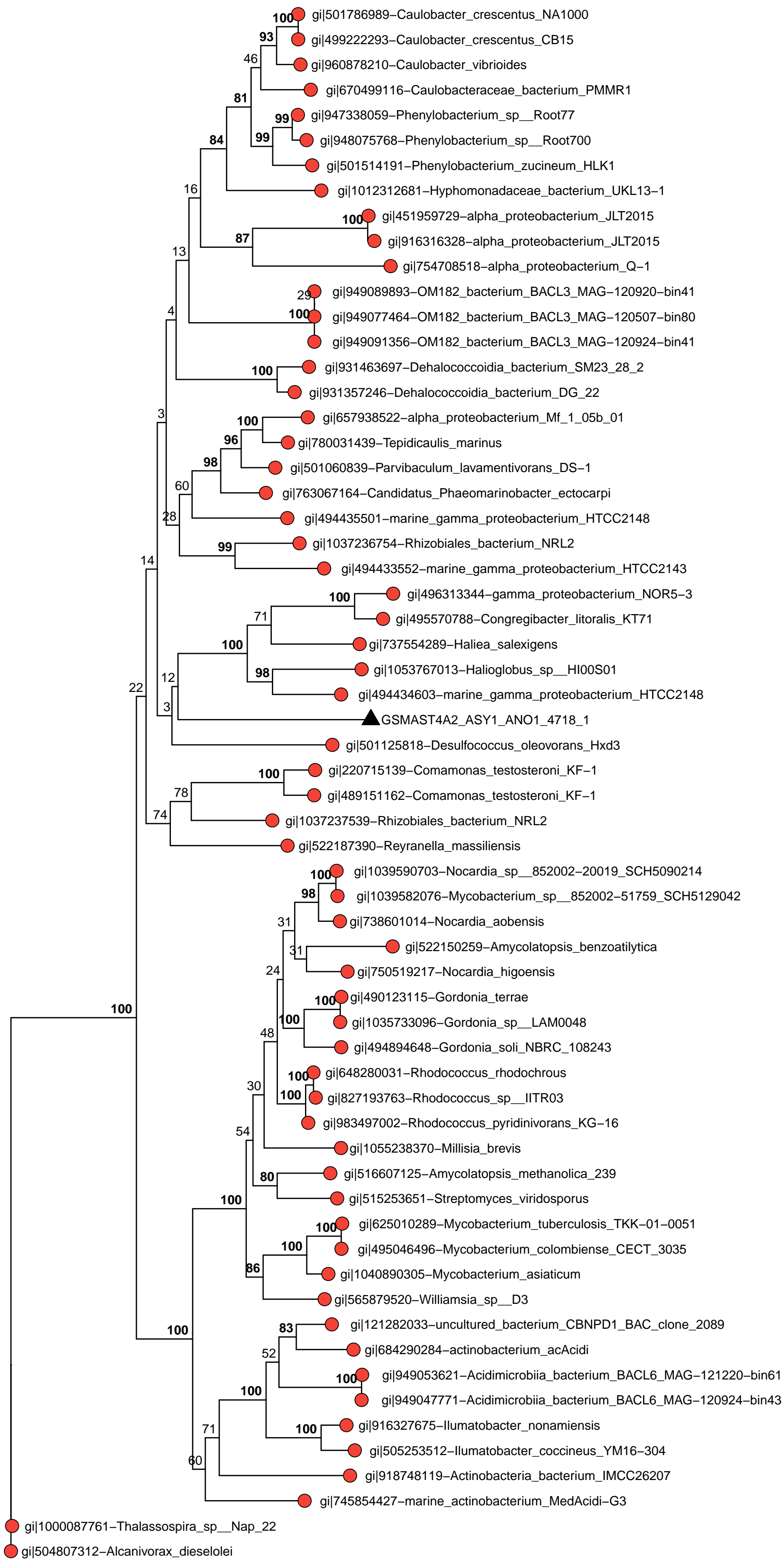


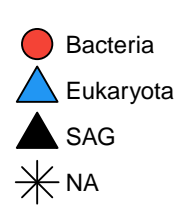
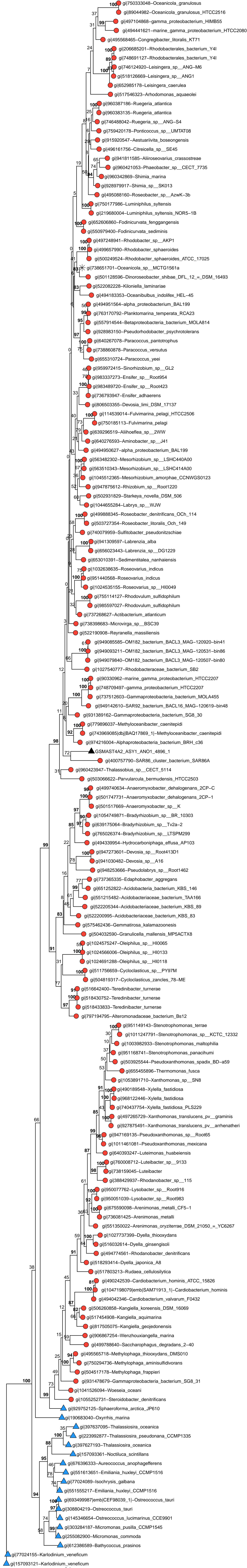


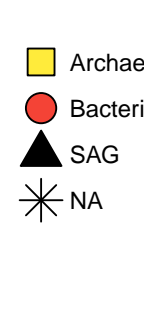
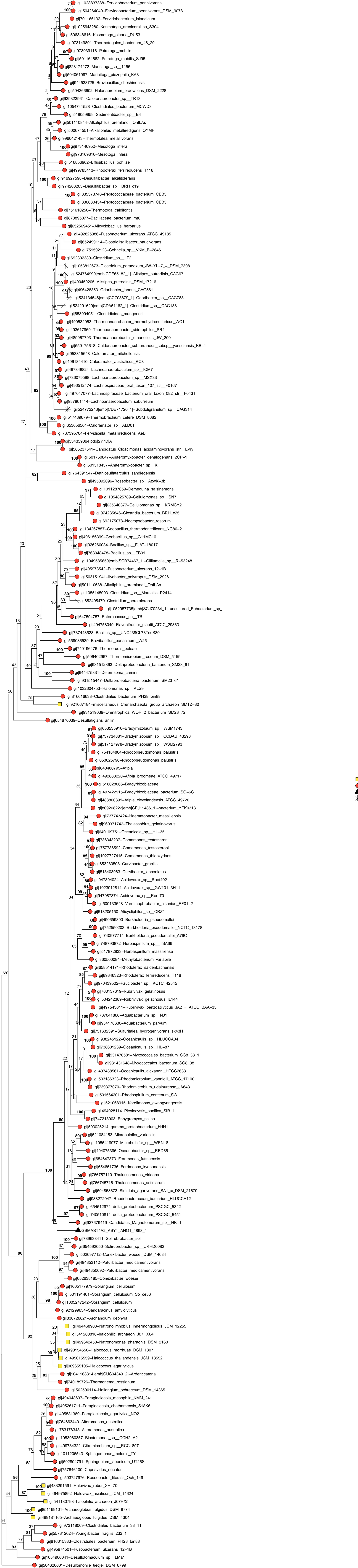
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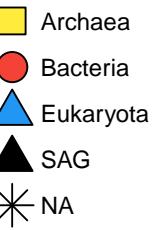
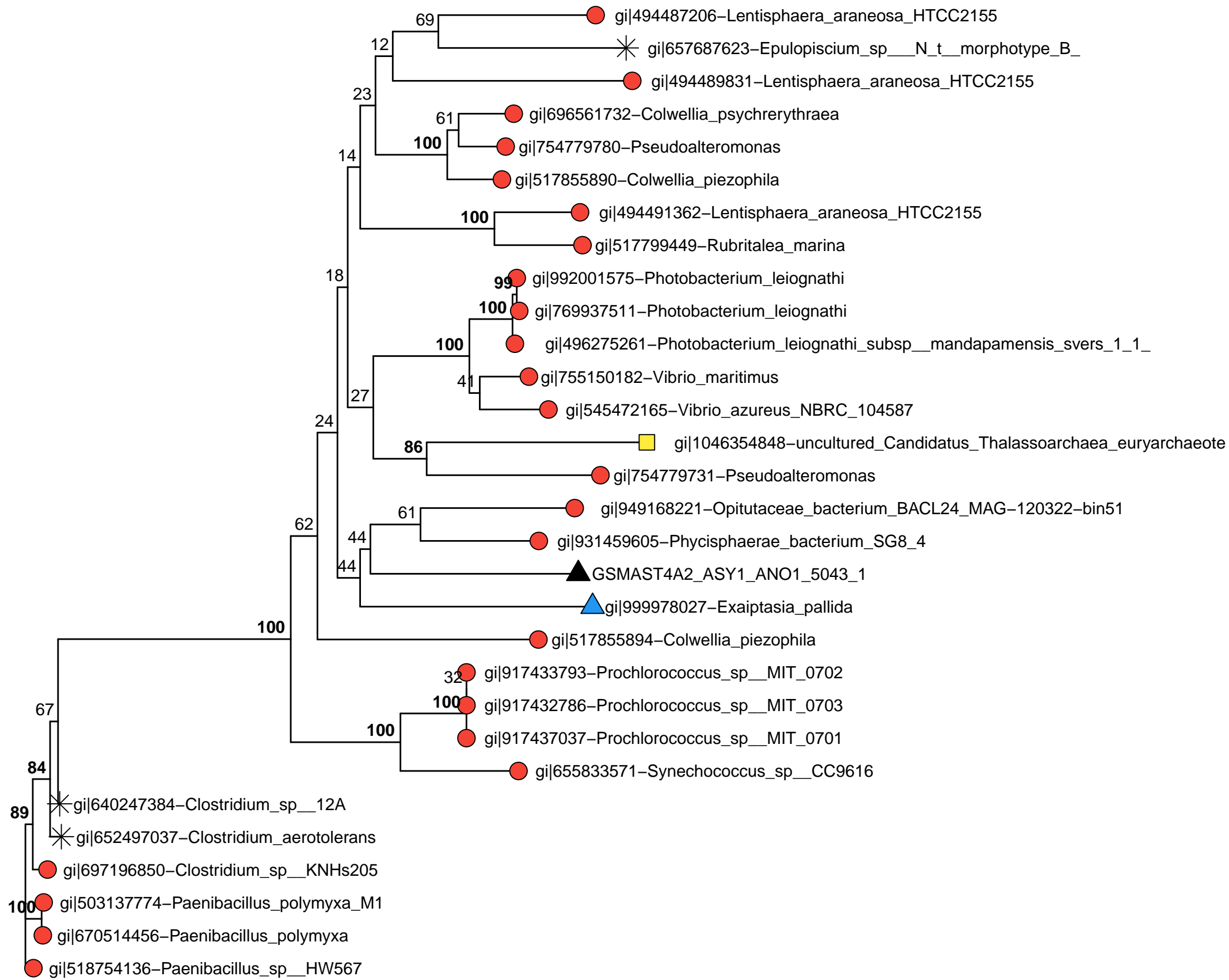




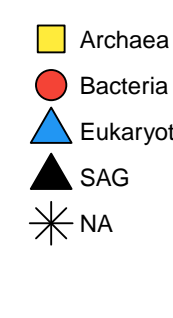
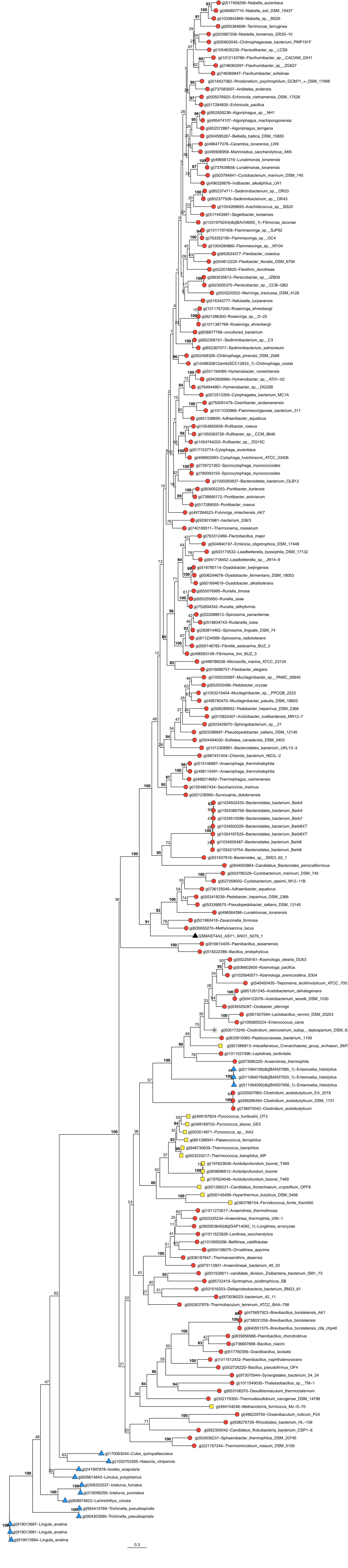




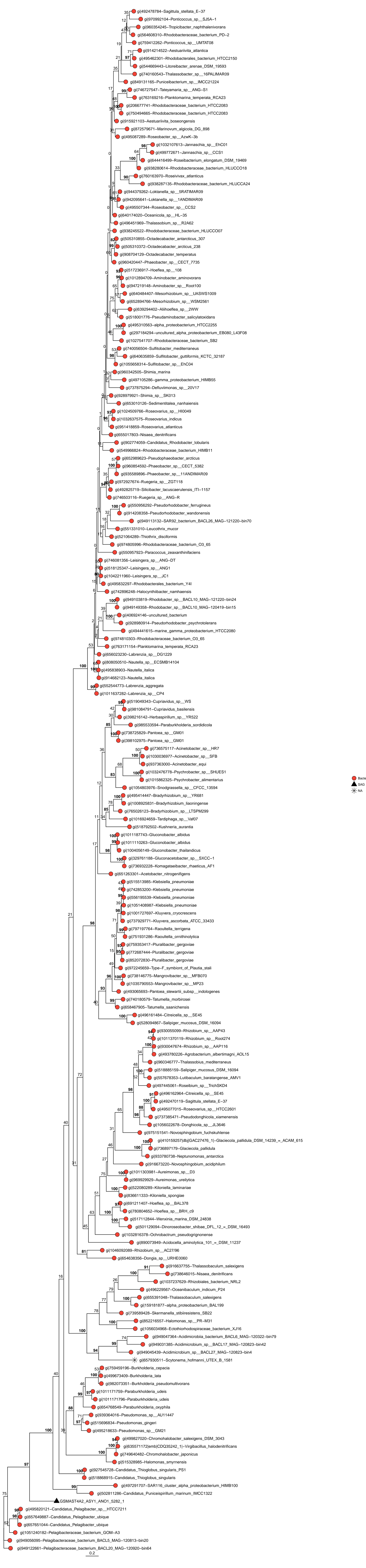
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 gij816615383-Clostridiales_bacterium_PH28_bin88
 gij557312024-Youngibacter_fragilis_232_1
 gij973118009-Clostridiales_bacterium_38_11
 gij499181165-Archaeoglobus_fulgidus_DSM_4304
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 gij541180793-halophilic_archaeon_J07HX5
 gij494975892-Halovivax_asiaticus_JCM_14624
 gij433291591-Halovivax_ruber_XH-70
 gij503727976-Roseobacter_litoralis_Och_149
 gij757646100-Cupriavidus_necator
 gij502804791-Sphingomonas_japonicum_UT26S
 gij1011206543-Sphingomonas_melonis_TY
 gij499734322-Citromicrobium_sp_RCC1897
 gij1053980357-Blastomonas_sp_CCH2-A2
 gij763178348-Alteromonas_austratica
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 gij503025214-gamma_proteobacterium_HdN1
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 gij494028114-Plesiocystis_pacifica_SIR-1
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 gij938245122-Oceanicaulis_sp_HLUCCA04
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 gij954176630-Aquabacterium_parvum
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 gij504242389-Rubrivivax_gelatinosus_IL144
 gij1023912814-Acidovorax_sp_GW101-3H11
 gij947987374-Acidovorax_sp_Root70
 gij500133648-Alleminiphrobacter_eiseniae_EF01-2
 gij518205150-Allicyclophilus_sp_CRZ1
 gij490659890-Burkholderia_pseudomallei
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 gij748793872-Herbaspirillum_sp_TSA66
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 gij494850692-Patulibacter_medicamentivorans
 gij652638185-Conexibacter_woesei
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 gij499015559-Halococcus_thailandensis_JCM_13552
 gij909655105-Halococcus_agarilicidus
 gij1041168314[emb]CUS04349_2]-Ardenticatena
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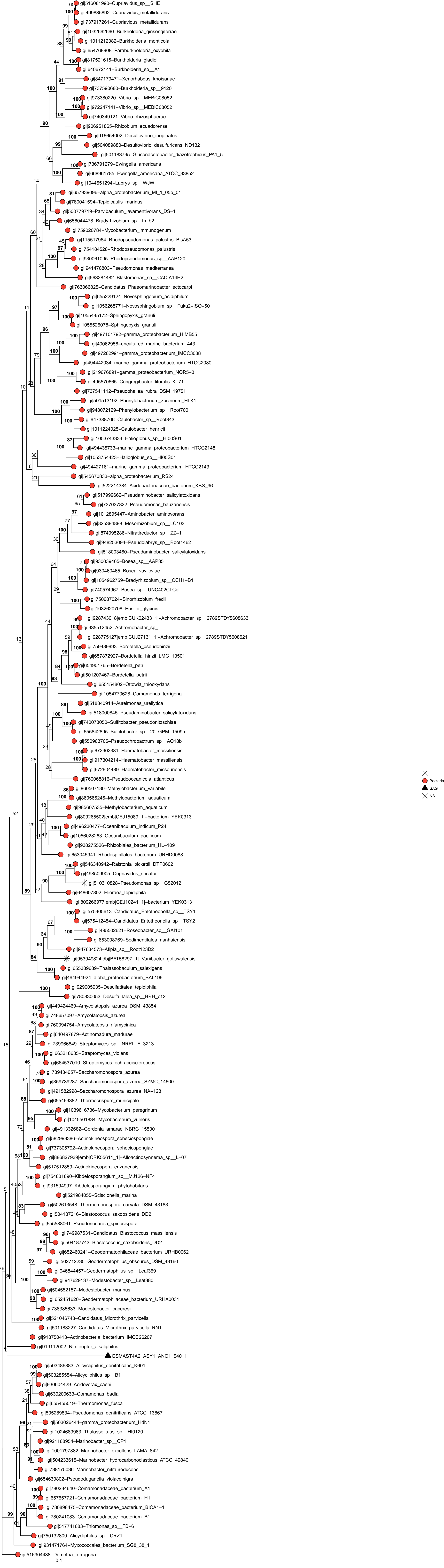
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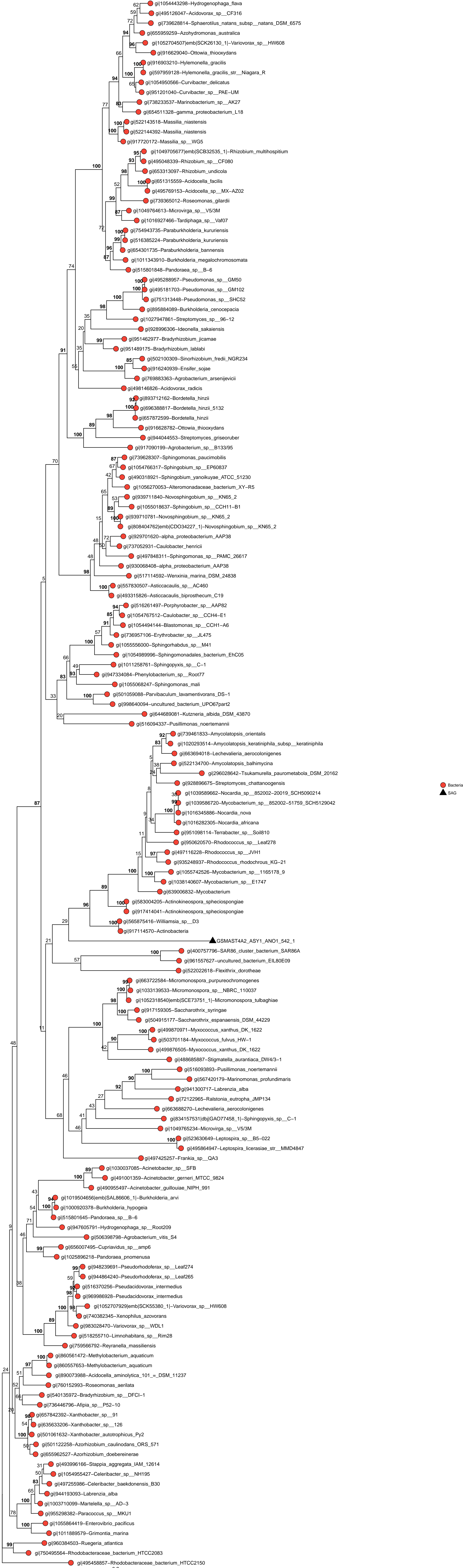


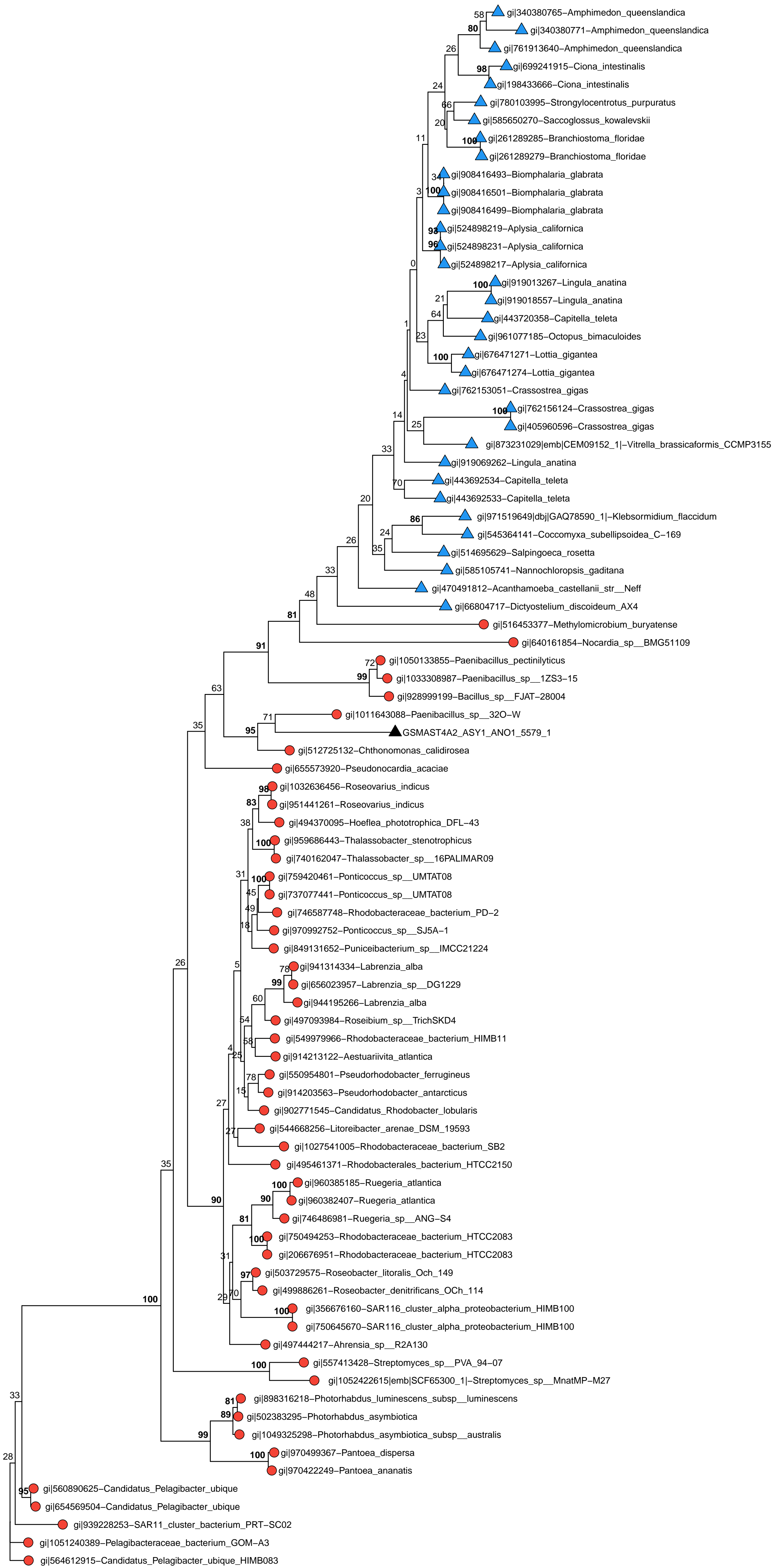
● Bacteria
 ▲ SAG
 ☆ NA

gij495820121-Candidatus_Pelagibacter_ano1_HTCC27211
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 gij657651044-Candidatus_Pelagibacter_ubique
 gij94956095-Pelagibacteraceae_bacterium_GOL5_MAG-120813-bin20
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0.2

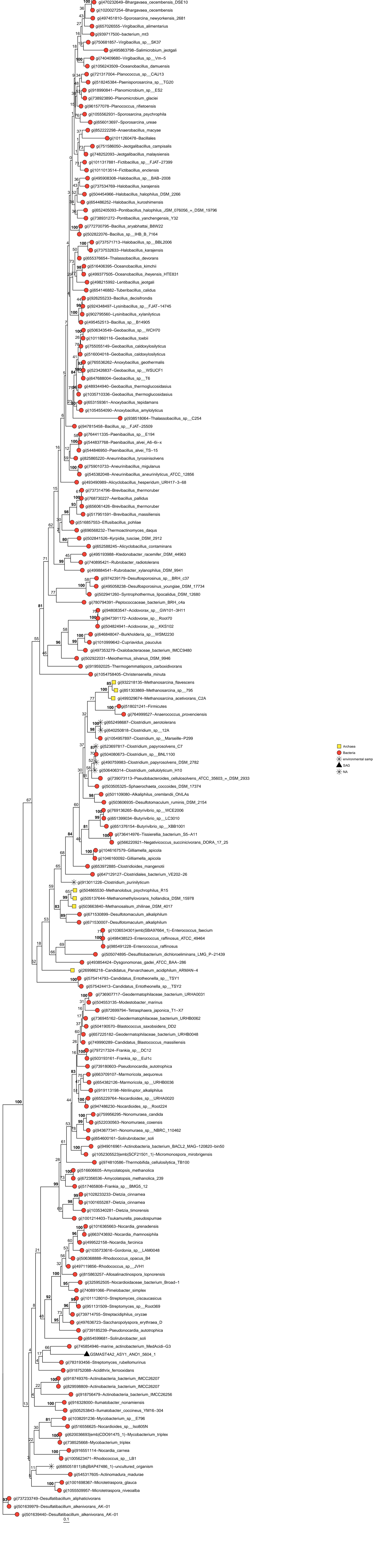


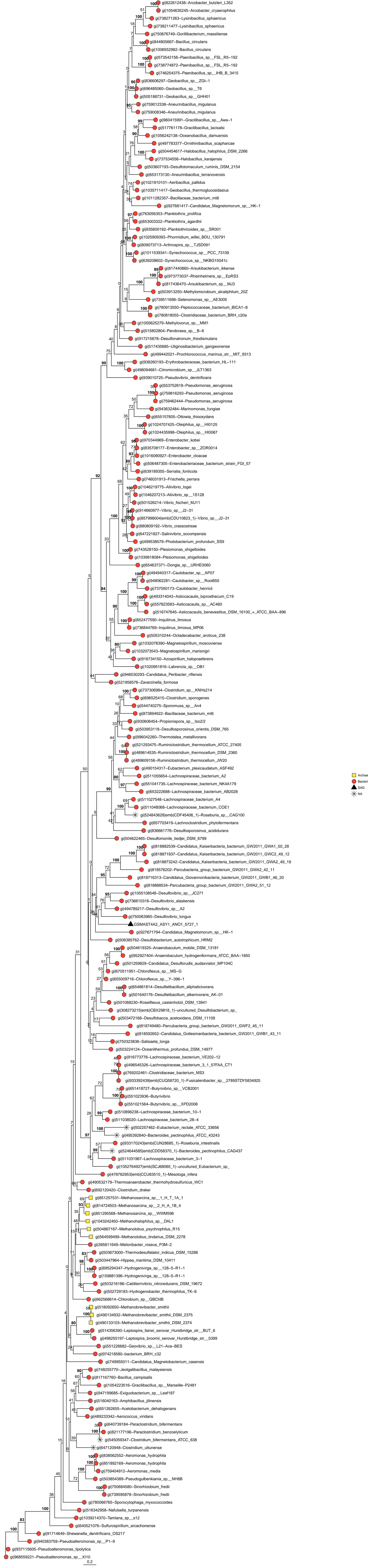


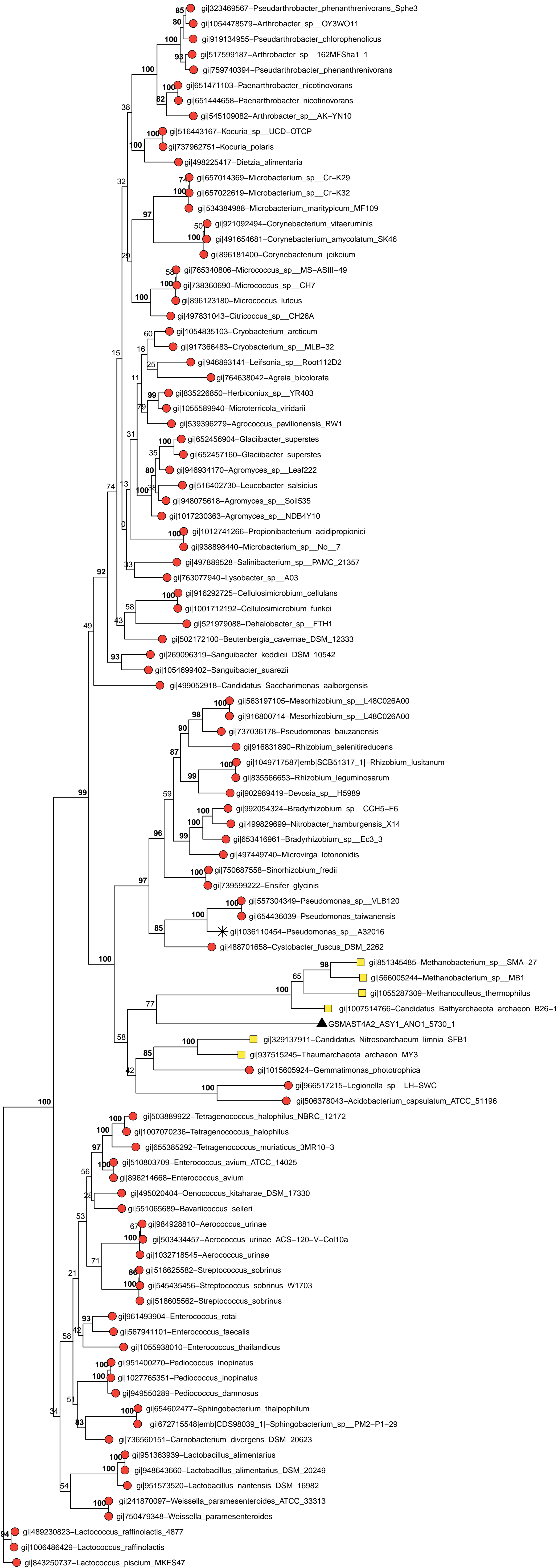


● Bacteria
 ▲ Eukaryota
 ▲ SAG

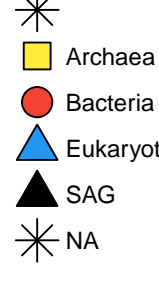
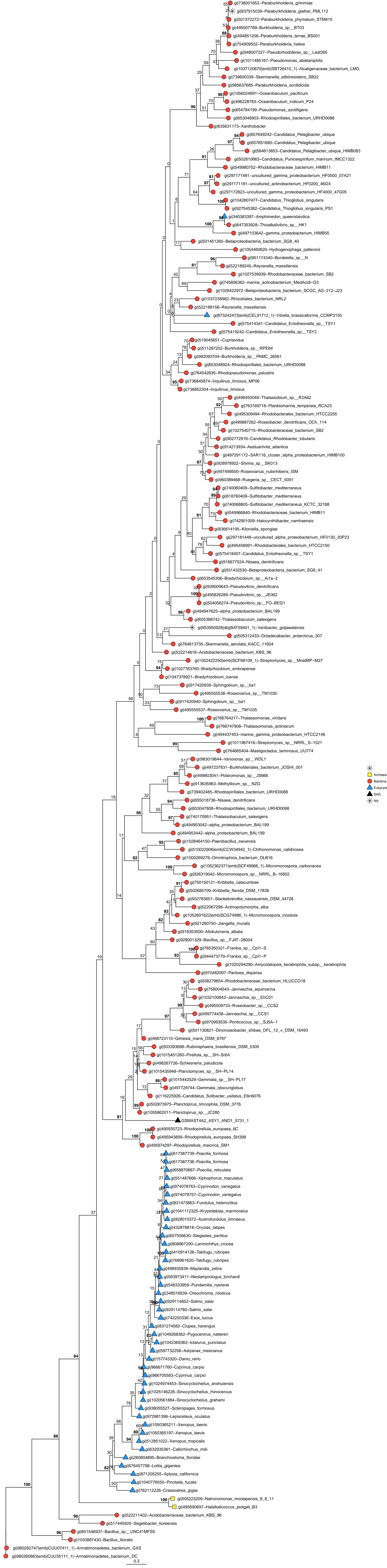
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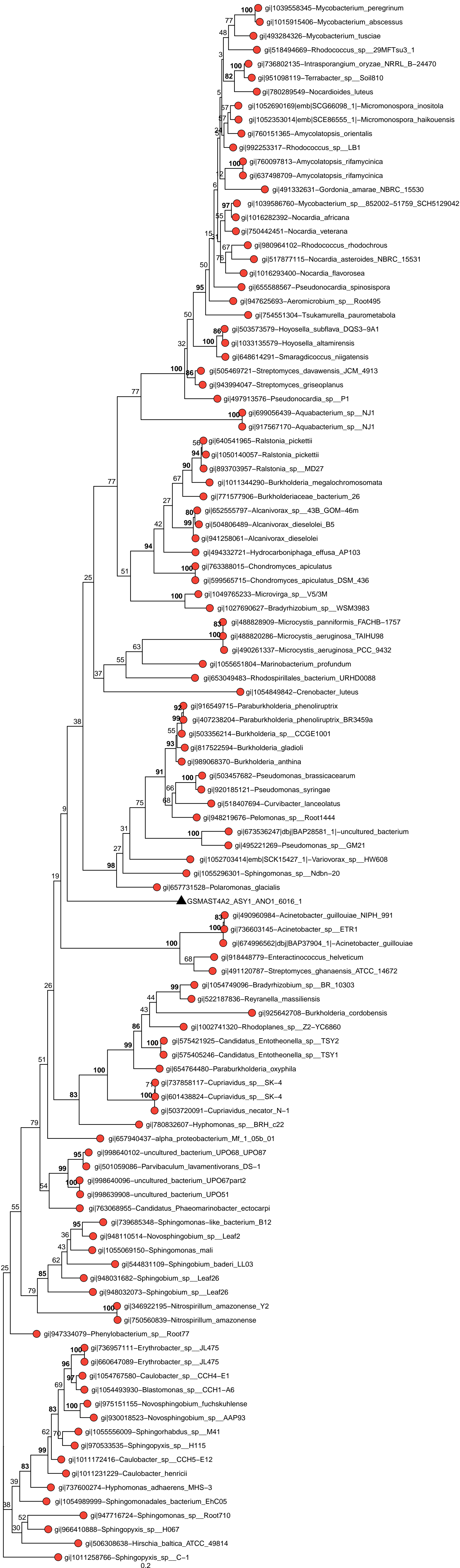


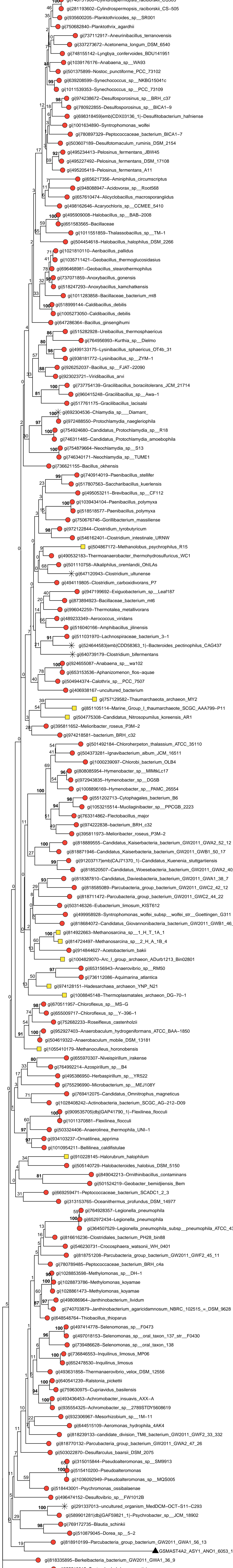


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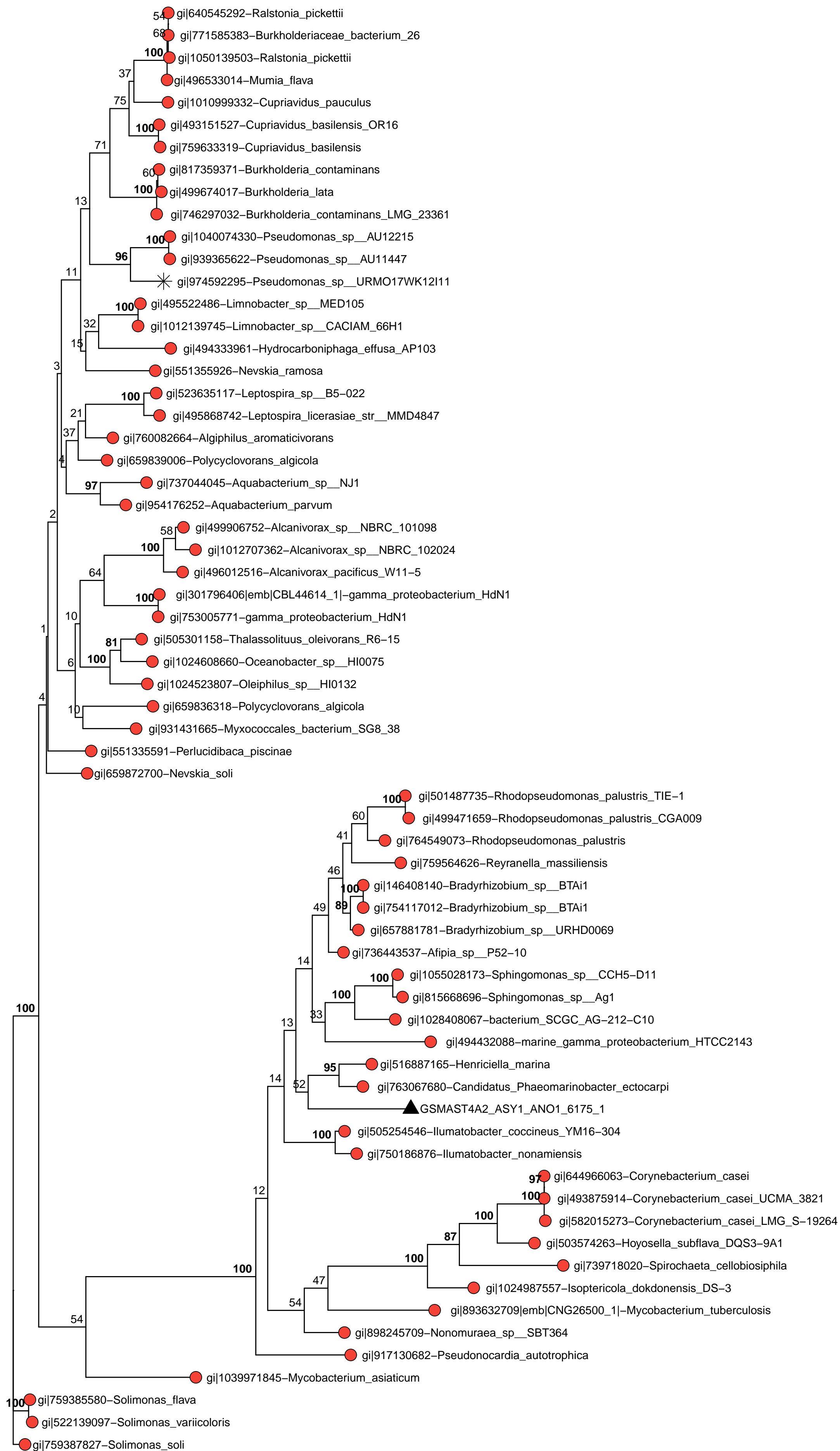
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 gij980265863[emb]CUU35111_1-Armatimonadetes_bacterium_DC
 0.3





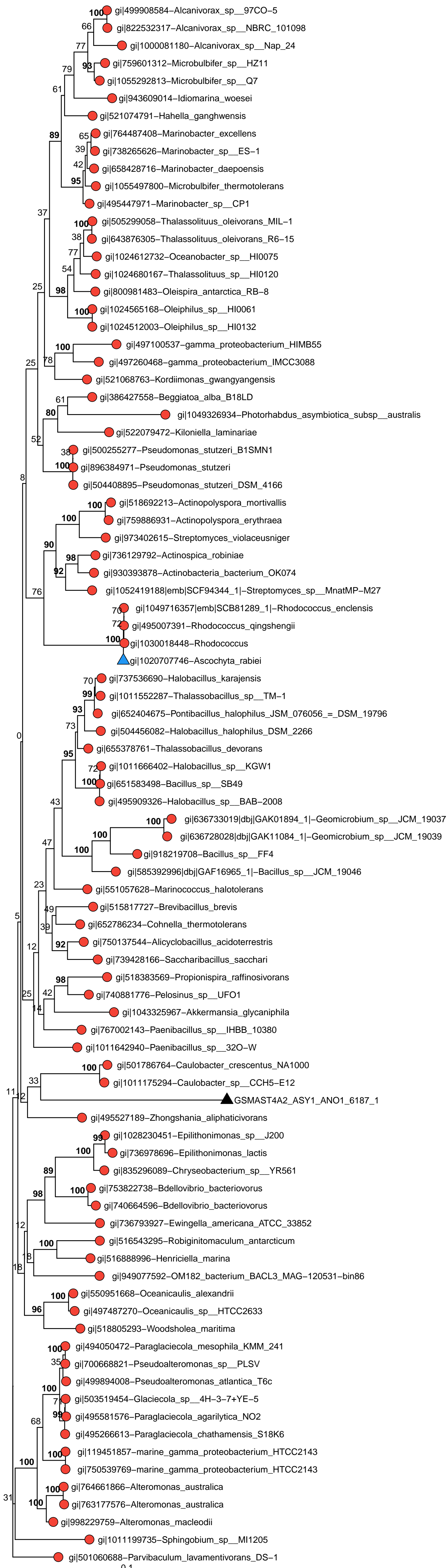
Legend:

- Archaea (Yellow square)
- Bacteria (Red circle)
- environmental samples (Asterisk)
- SAG (Triangle)
- NA (Cross)

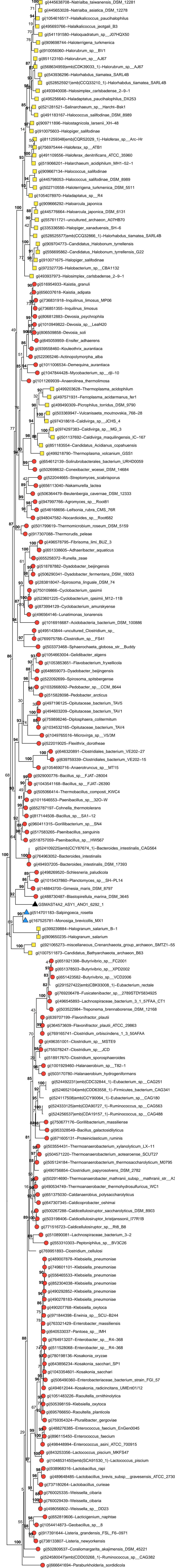


● Bacteria
▲ SAG
✱ NA

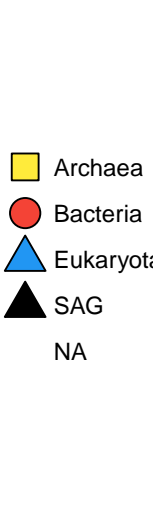
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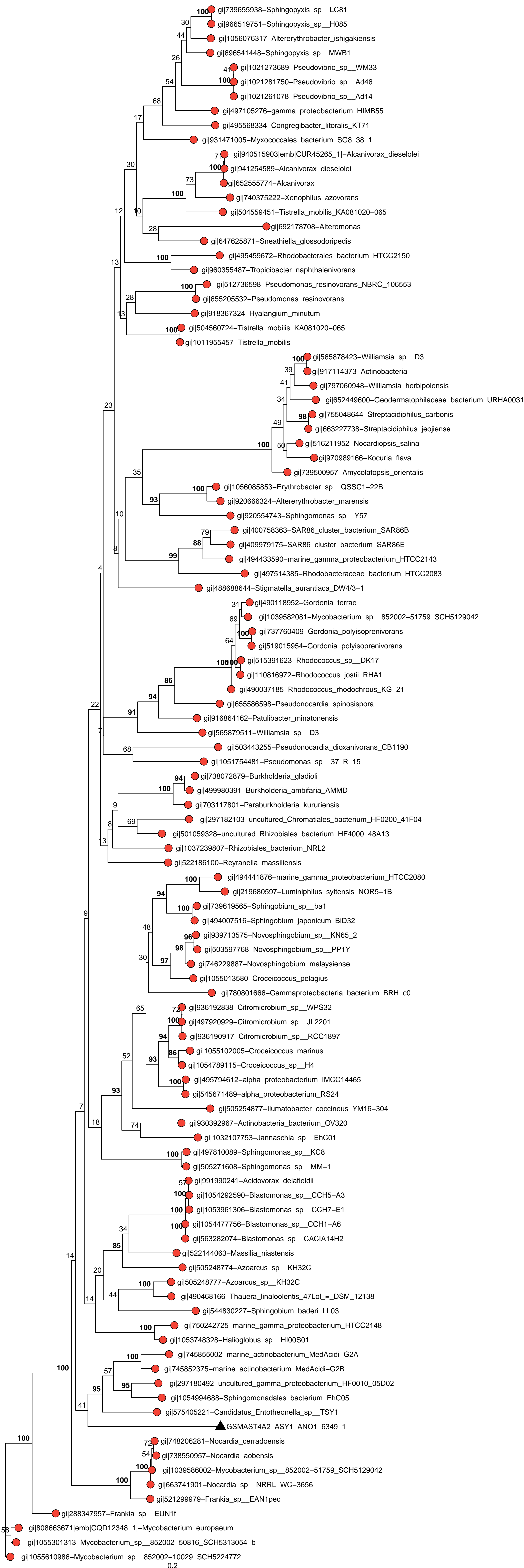


● Bacteria
▲ Eukaryota
▲ SAG



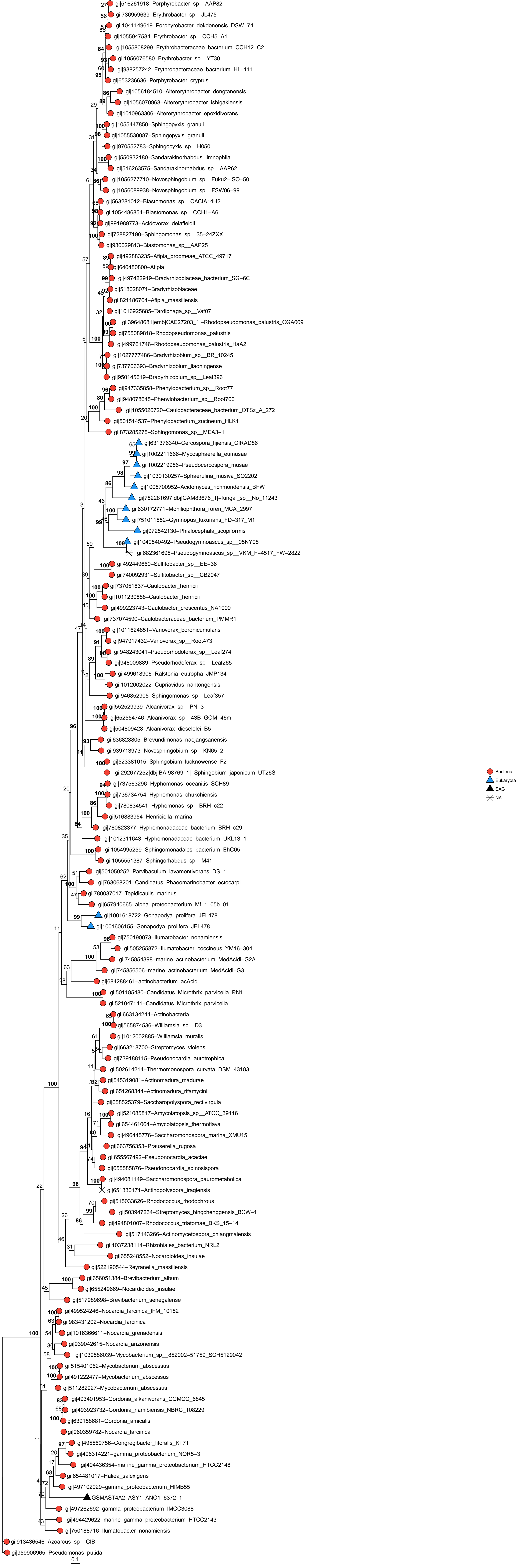
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- gij445638708-Natrialba_taiwanensis_DSM_12281
- gij445653028-Natrialba_asiatica_DSM_12278
- gij1054616517-Halalkalicoccus_paucihalophilus
- gij495693766-Halalkalicoccus_jeotgali_B3
- gij541191580-Haloquadratum_sp_J07HQX50
- gij909698744-Haloterrigena_turkmenica
- gij910056060-Halorubrum_sp_BV1
- gij851123160-Halorubrum_sp_AJ67
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- gij543936296-Halorubrum_tiamatea_SARL4B
- gij528525921[emb|CCQ33210_1]-Halorubrum_tiamatea_SARL4B
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- gij495256640-Haladaptatus_paucihalophilus_DX253
- gij521281521-Salinarchaeum_sp_Harcht-Bsk1
- gij491183167-Halococcus_salifodinae_DSM_8989
- gij909711896-Halostagnicola_larsenii_XH-48
- gij910075603-Halopiger_salifodinae
- gij811259348[emb|CQR52029_1]-Haloferax_sp_Arc-Hr
- gij756975444-Haloferax_sp_ATB1
- gij491109556-Haloferax_denitrificans_ATCC_35960
- gij519066201-Halarchaeum_acidiphilum_MH1-52-1
- gij909667134-Halococcus_salifodinae
- gij445798053-Halococcus_salifodinae_DSM_8989
- gij502710558-Haloterrigena_turkmenica_DSM_5511
- gij1054078970-Haladaptatus_sp_R4
- gij909666292-Haloarcula_japonica
- gij445776664-Haloarcula_japonica_DSM_6131
- gij557611721-uncultured_archaeon_A07HB70
- gij335336580-Halopiger_xanaduensis_SH-6
- gij528525577[emb|CCQ32866_1]-Halorubrum_tiamatea_SARL4B
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- gij556695862-Candidatus_Halobonum_tyrrellensis_G22
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- gij516954933-Kaistia_granuli
- gij656037618-Kaistia_adipata
- gij736831918-Inquilius_limosus_MP06
- gij736851355-Inquilius_limosus
- gij806812883-Devosia_psychrophila
- gij1010949822-Devosia_sp_Leaf420
- gij806509858-Devosia_soli
- gij645059959-Ensifer_adhaerens
- gij939558460-Kouleothrix_aurantiaca
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- gij501137692-Caldivirga_maquilingensis_IC-167
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- gij948047582-Nocardioides_sp_Root682
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- gij1049765516-Microvirga_sp_V5/3M
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- gij364573609-Flavonifractor_plautii_ATCC_29863
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- gij755078247-Clostridium_sp_JCD
- gij518917670-Clostridium_sporosphaeroides
- gij1001929460-Halanaerobium_sp_T82-1
- gij503170780-Halanaerobium_hydrogeniformans
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- gij524117508[emb|CCY90064_1]-Eubacterium_sp_CAG180
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- gij524256537[emb|CDA19157_1]-Ruminococcus_sp_CAG488
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- gij671605131-Proteiniclasticum_ruminis
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- gij504571220-Thermoanaerobacterium_aotearoense_SCUT27
- gij505124184-Thermoanaerobacterium_thermosaccharolyticum_M0795
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- gij647307345-Caldicoprobacter_oshimai
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- gij503198406-Caldicellulosiruptor_kristjanssonii_I77R1B
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- gij490207768-Klebsiella_oxytoca
- gij971844398-Enterobacter_SCU-B244
- gij763321429-Enterobacter_massiliensis
- gij640533037-Pantoea_sp_IMH
- gij764913207-Enterobacter_sp_R4-368
- gij511528068-Enterobacter_sp_R4-368
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- gij643856234-Kosakonia_sacchari_SP1
- gij1043354601-Kosakonia_sacchari
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- gij494612044-Kosakonia_radicincitans_UMEnt01/12
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- gij505398159-Klebsiella_oxytoca
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- gij896115450-Enterococcus_faecium
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- gij843253356-Lactococcus_piscium_MKFS47
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- gij938968316-Lactobacillus_rapi
- gij489648485-Lactobacillus_brevis_subsp_gravesensis_ATCC_27305
- gij737180264-Lactobacillus_curieae
- gij760025335-Weissella_cibaria
- gij760029439-Weissella_cibaria
- gij498056802-Weissella_sp_DD23
- gij652819606-Lacticigenium_naphtae
- gij1054414873-Geobacillus_sp_8
- gij917391644-Listeria_grandensis_FSL_F6-0971
- gij738133807-Listeria_newyorkensis
- gij502809537-Coraliomargarita_akajimensis_DSM_45221
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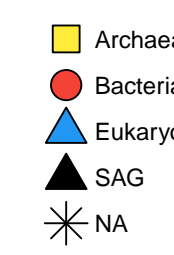
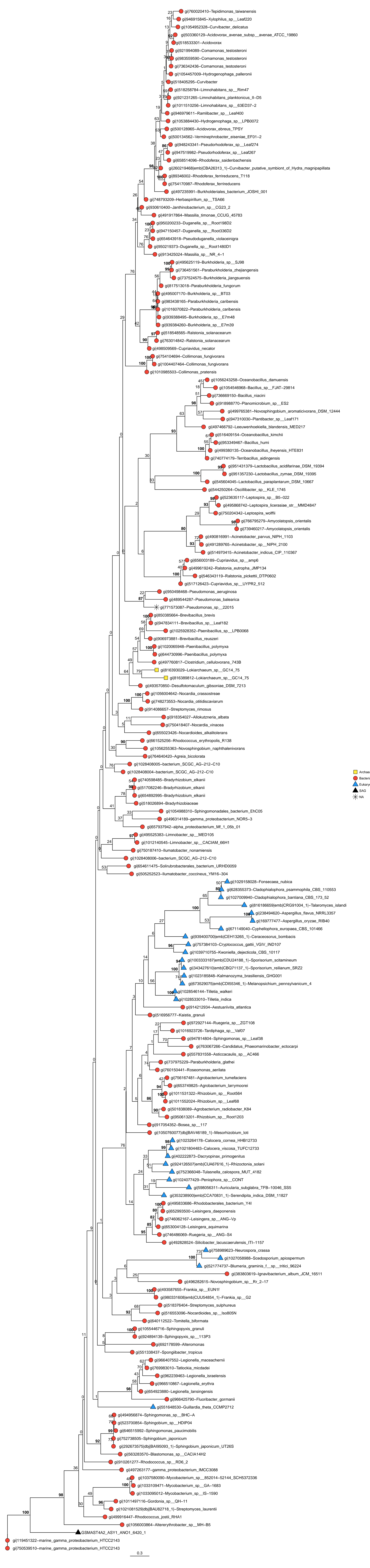




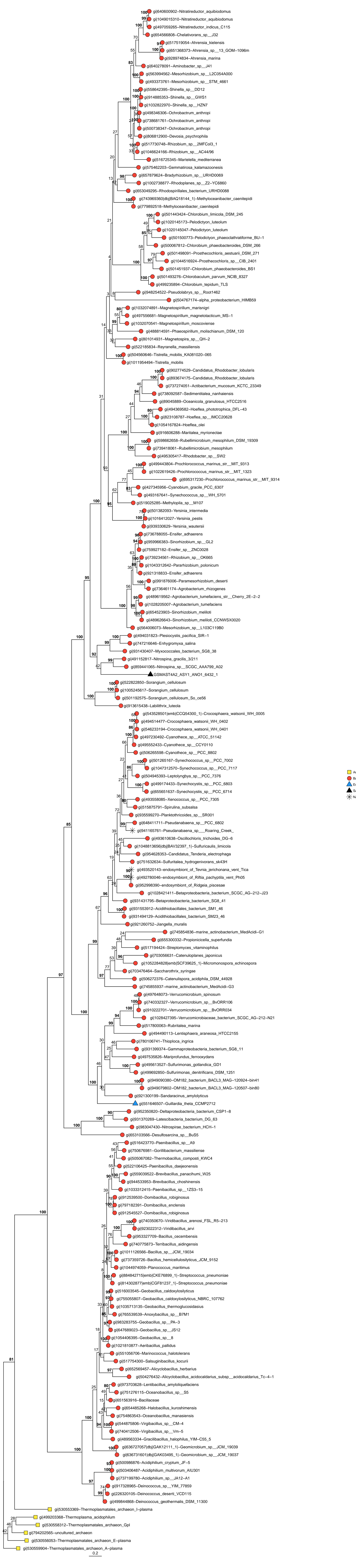
● Bacteria
▲ SAG

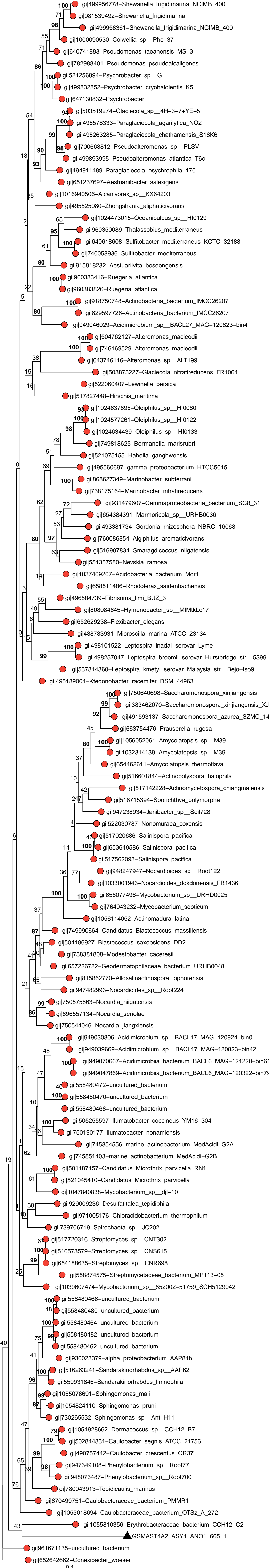
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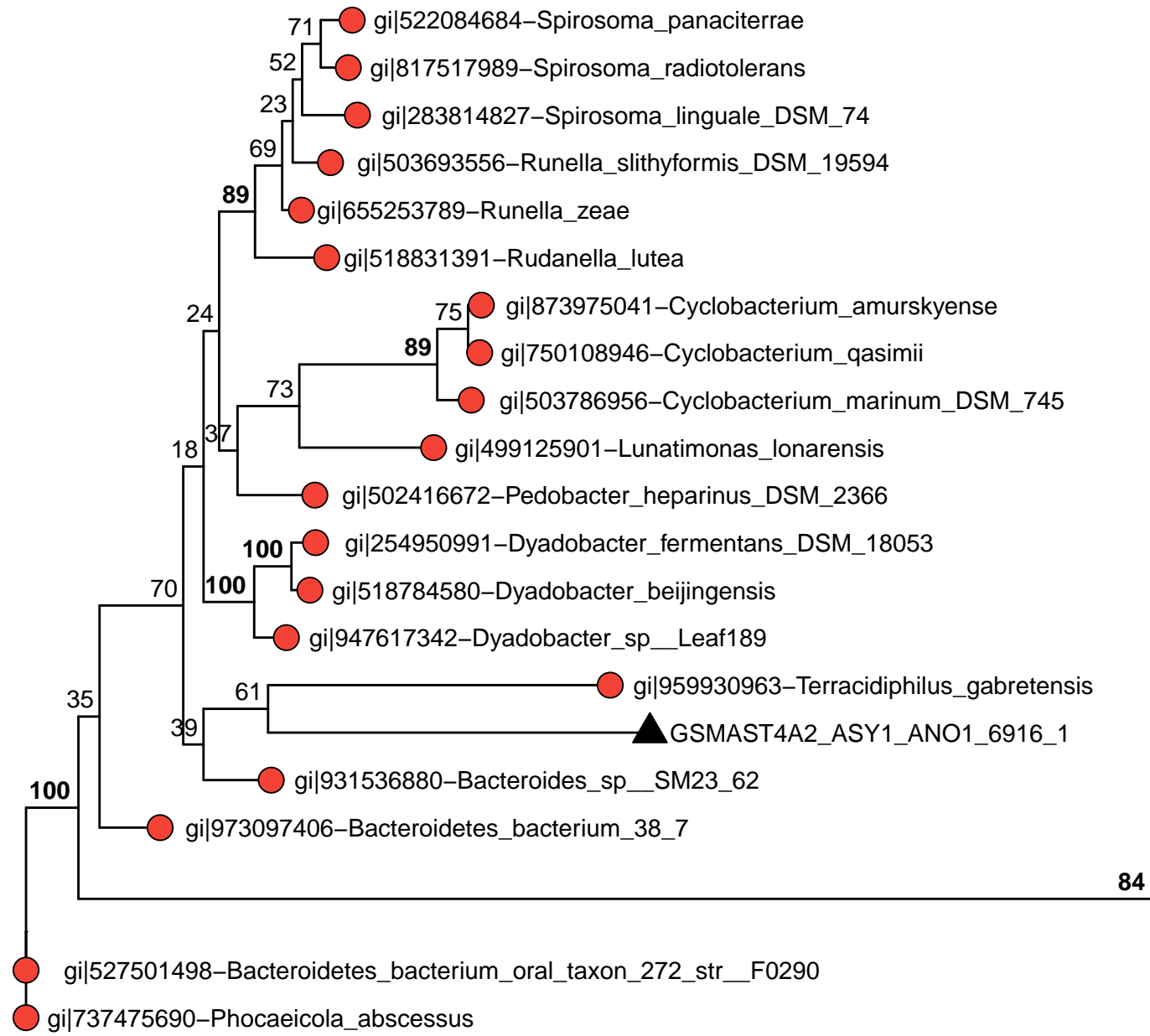




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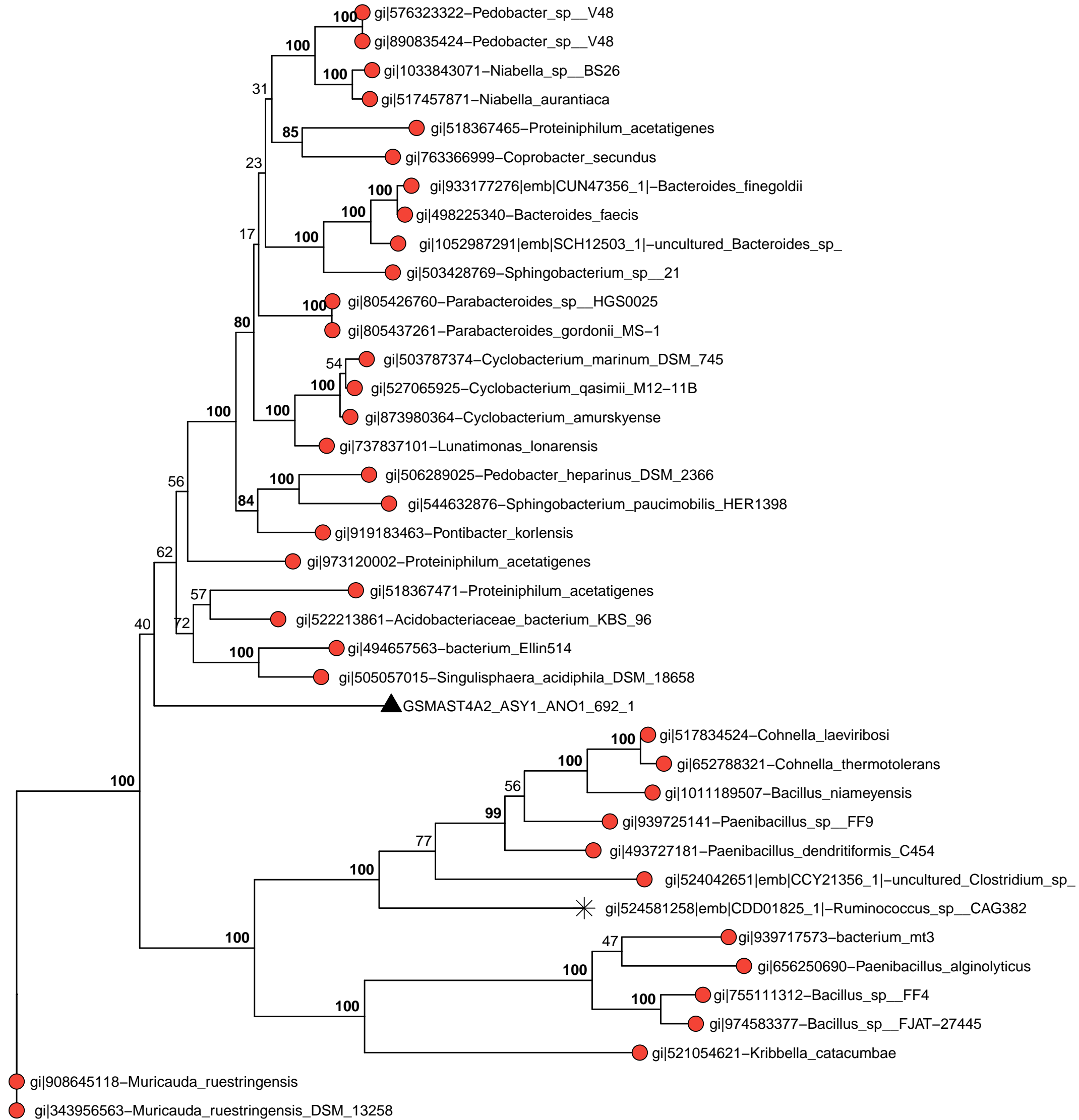




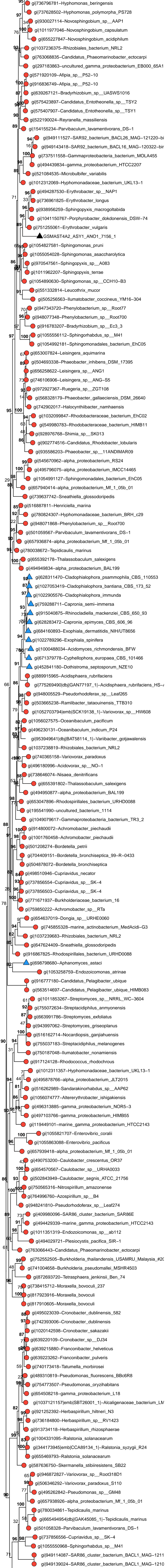


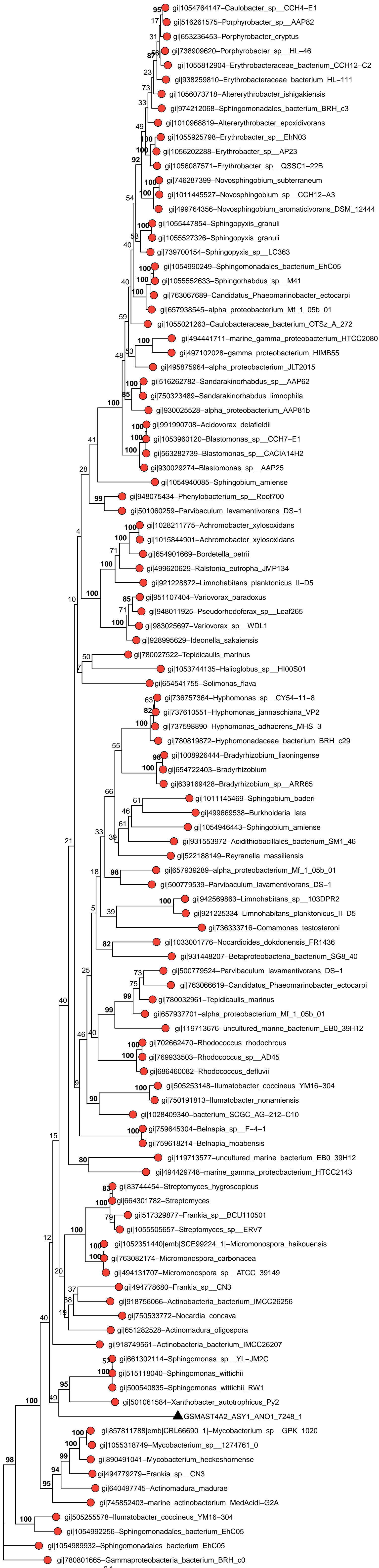
● Bacteria
▲ SAG

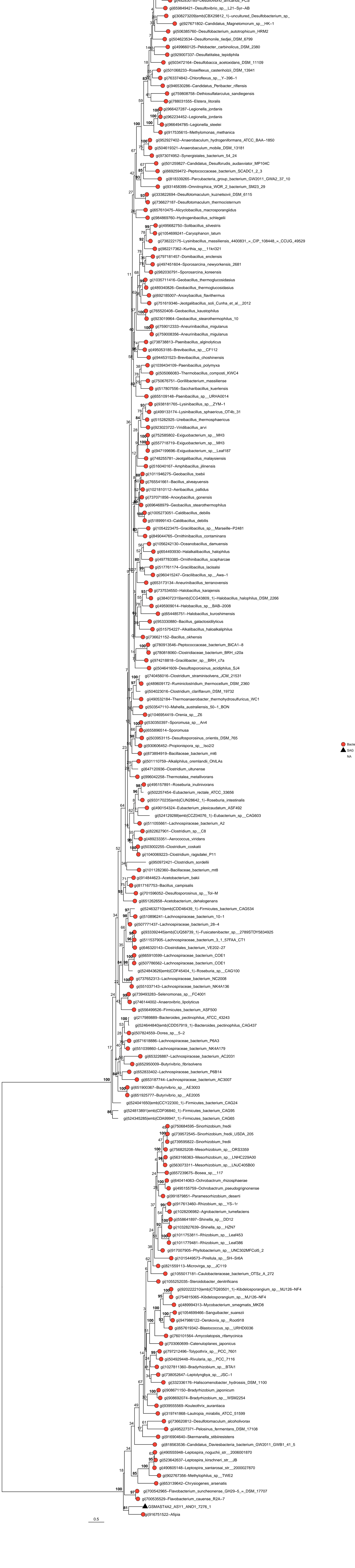
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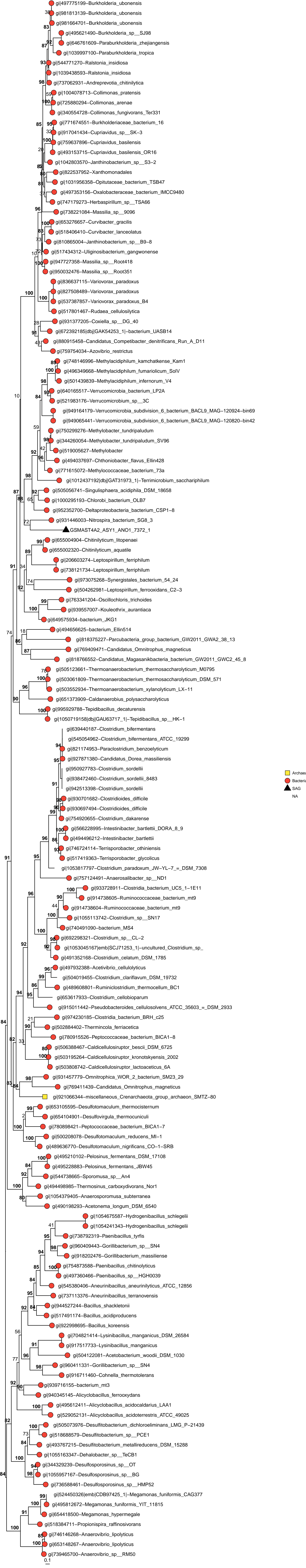
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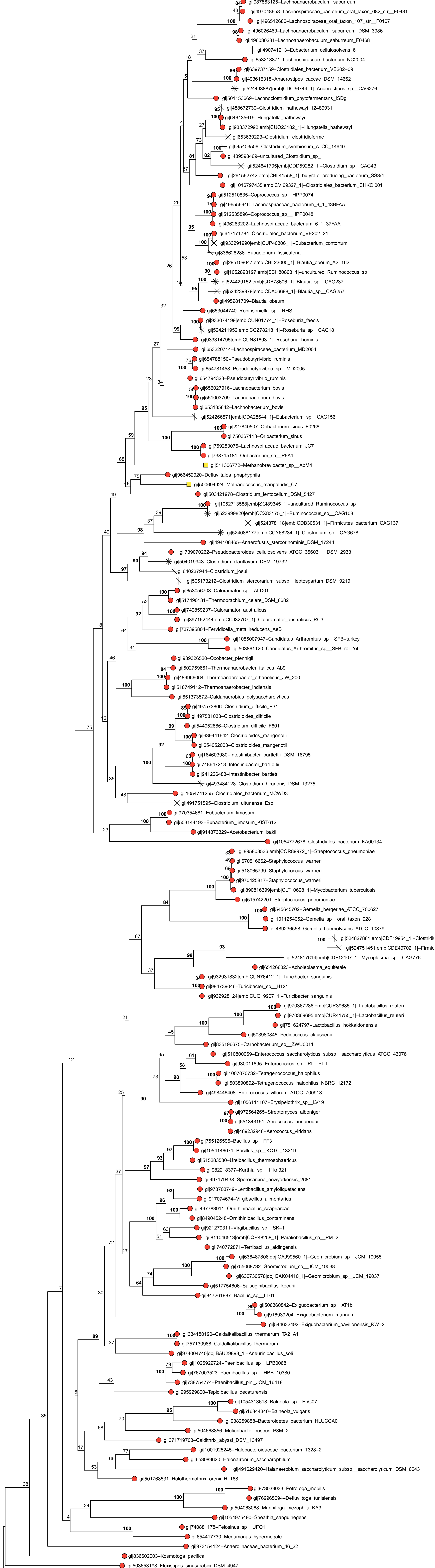






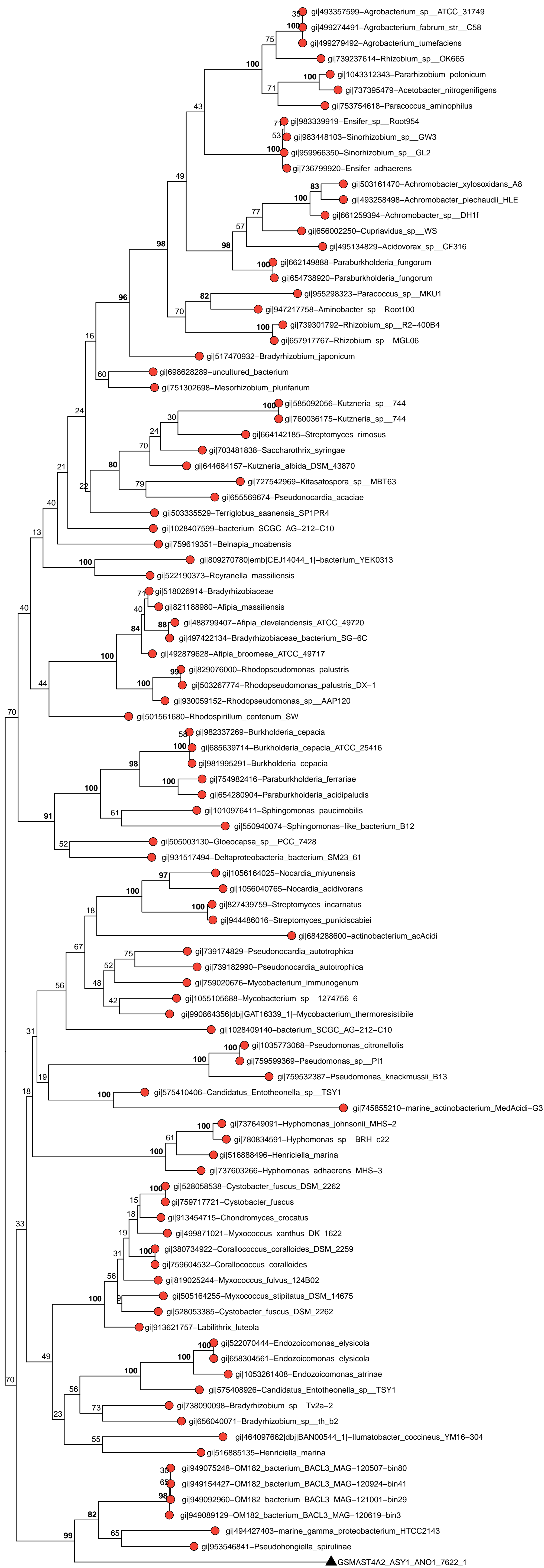
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▲ SA
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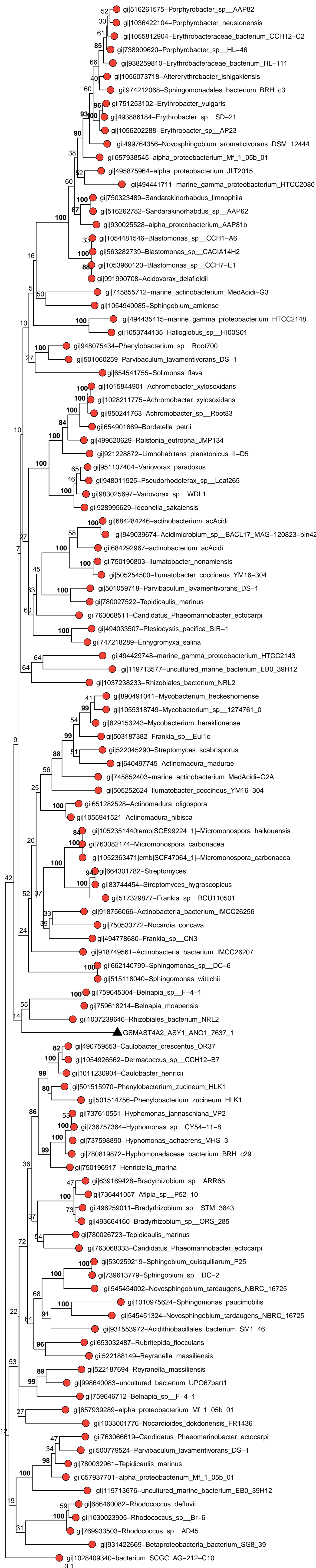


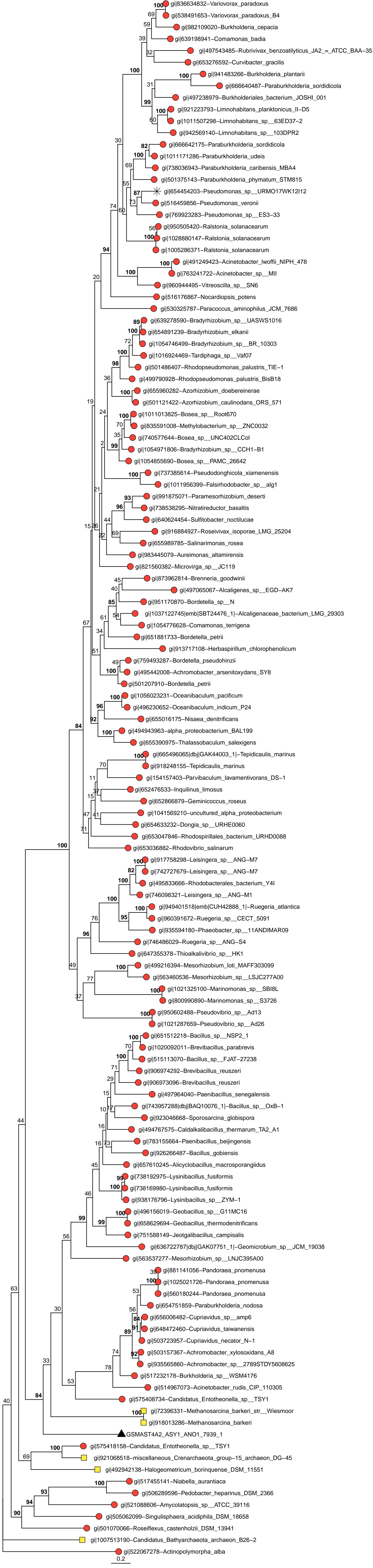


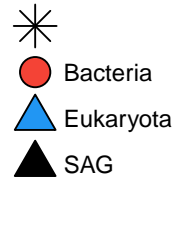
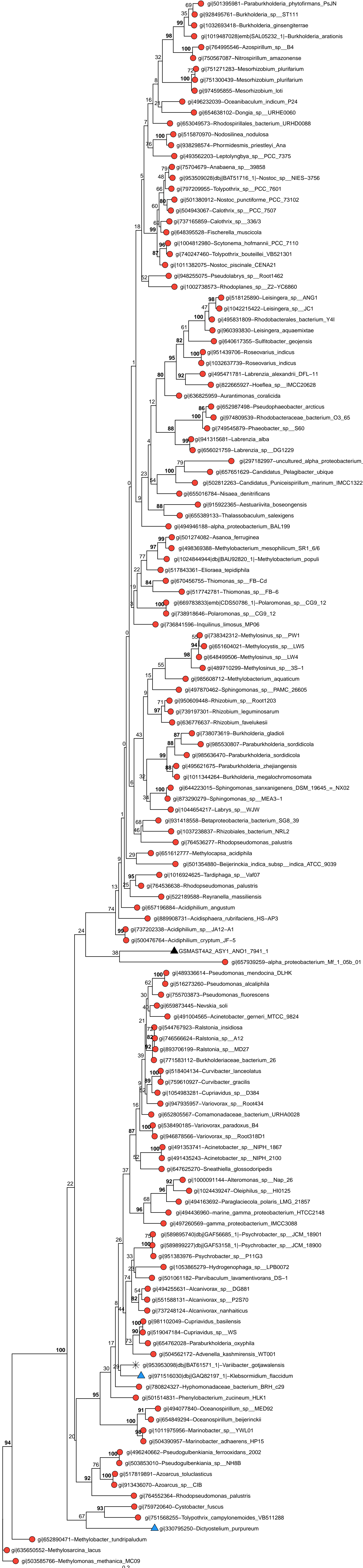
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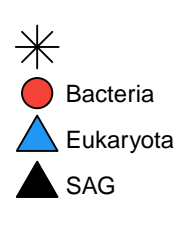
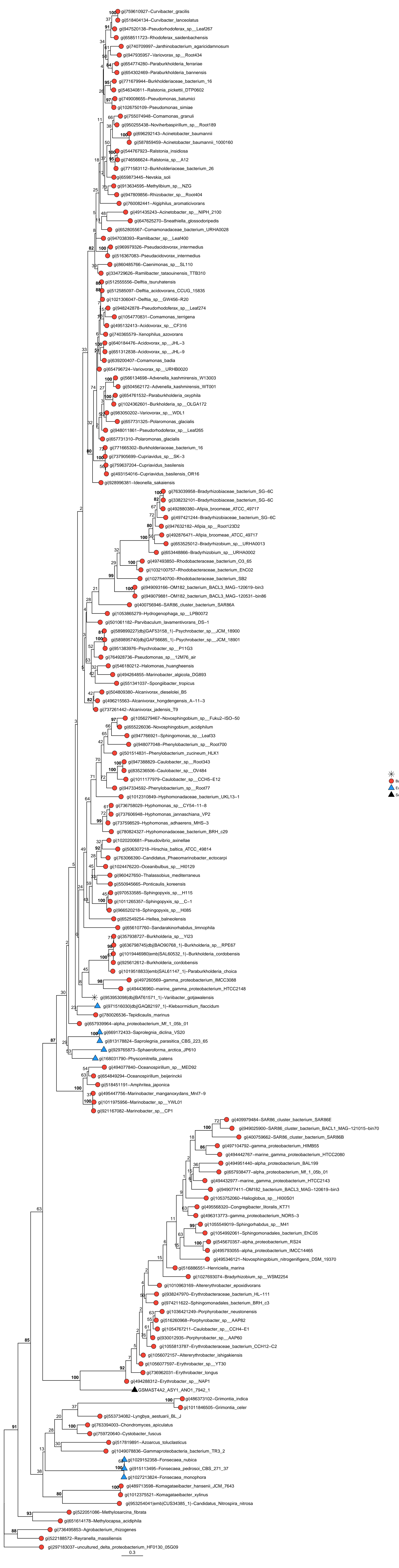




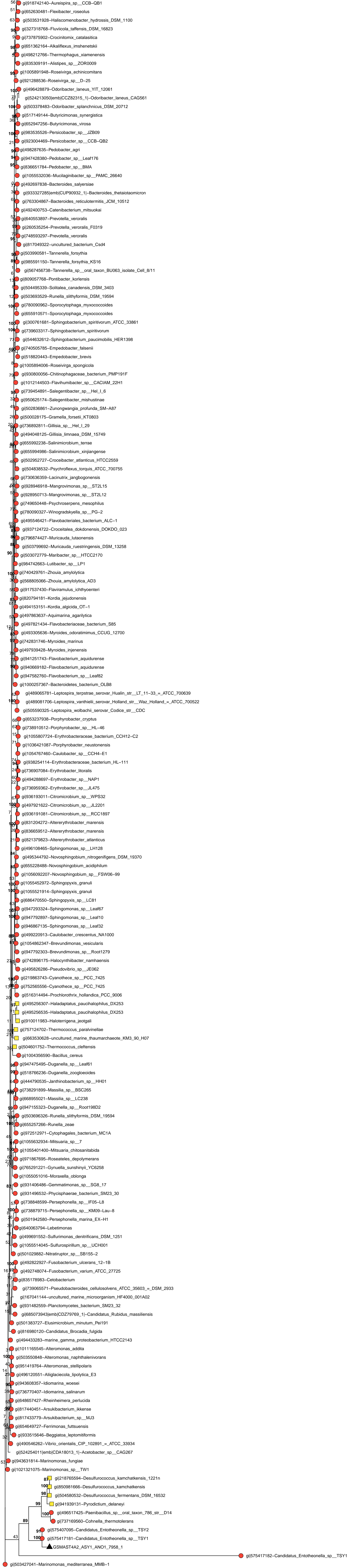


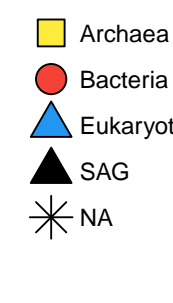
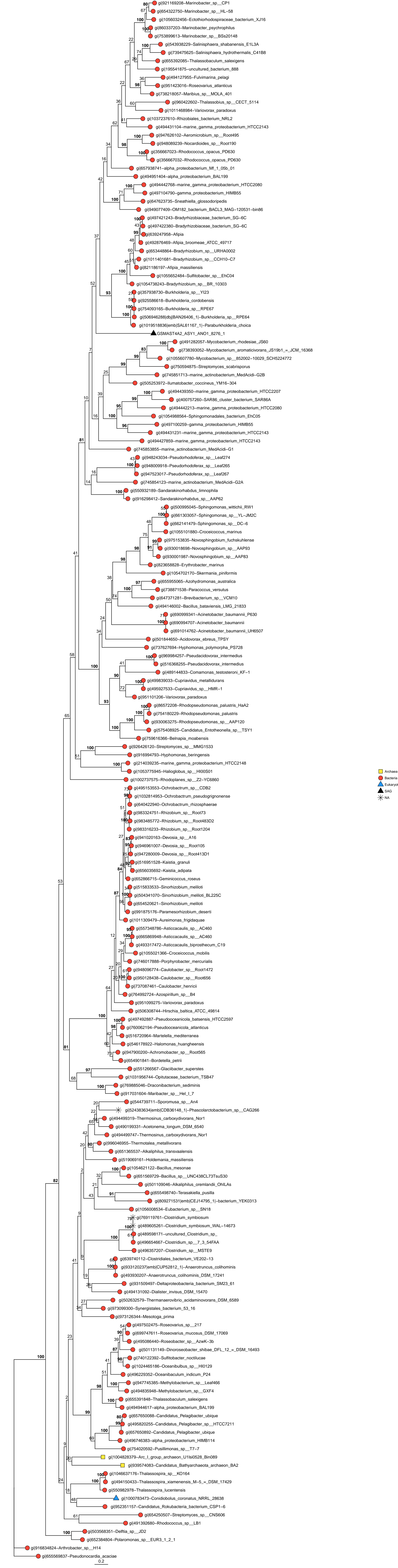


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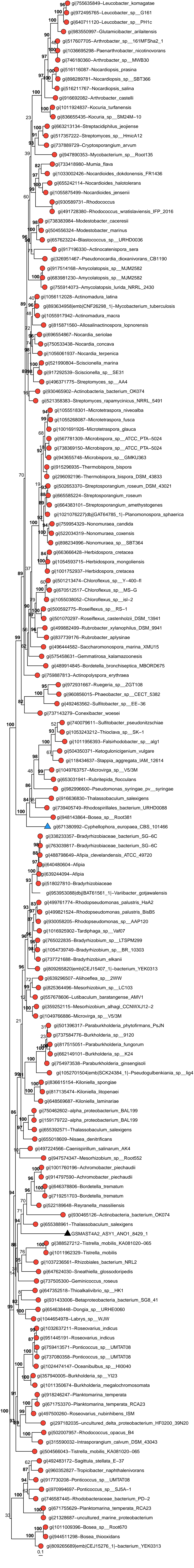


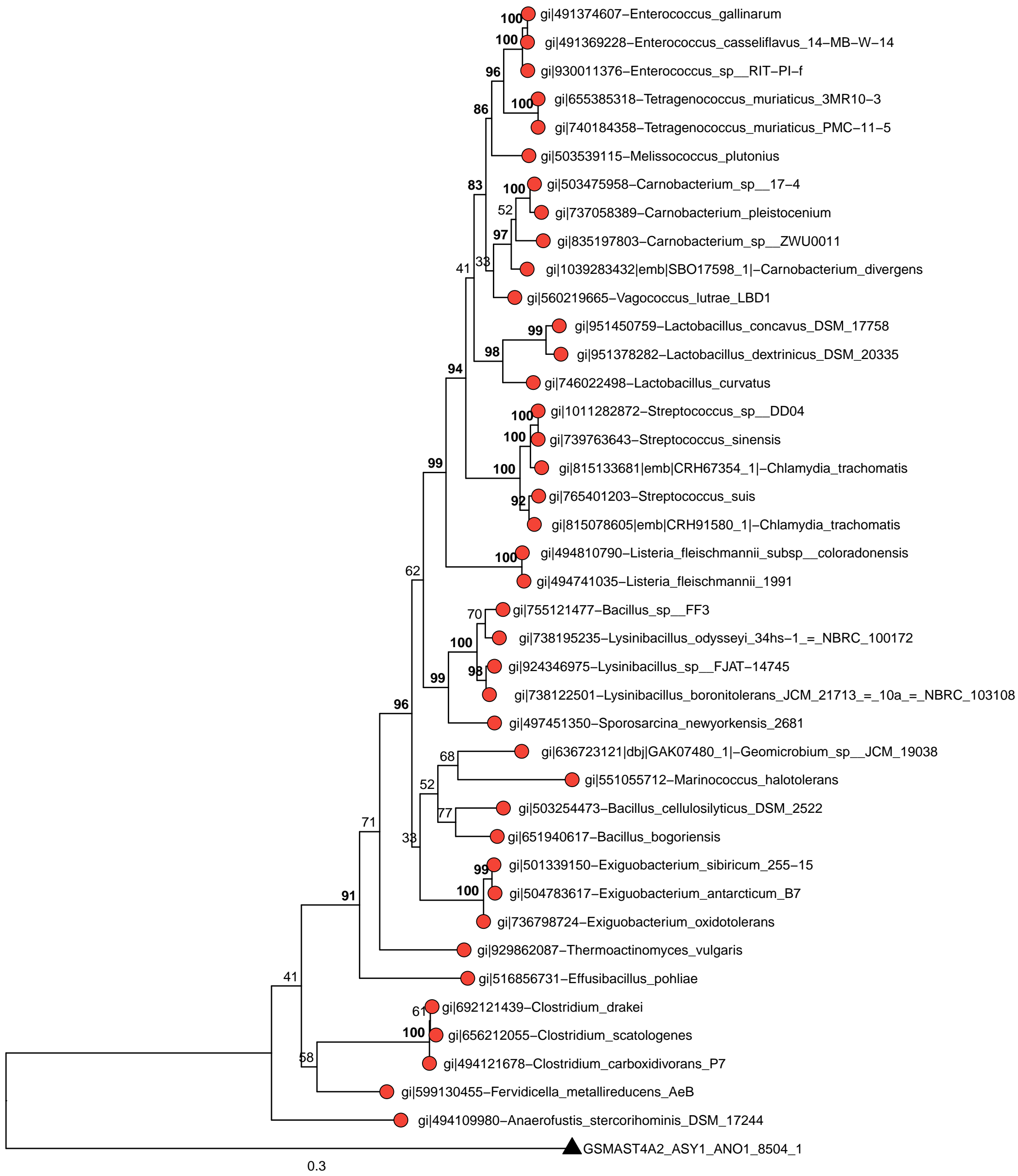
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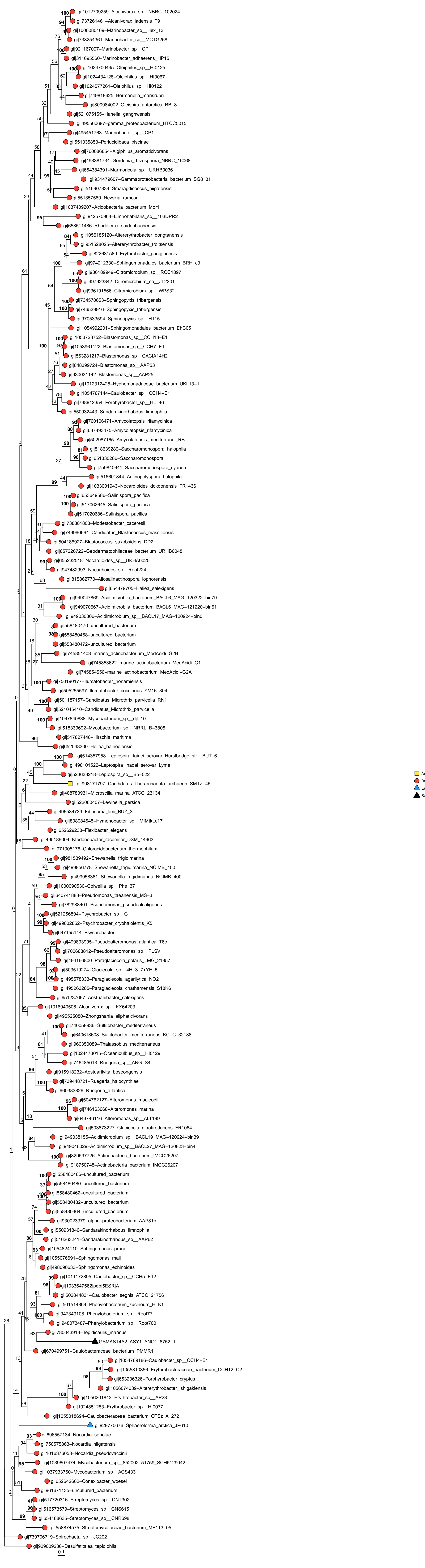




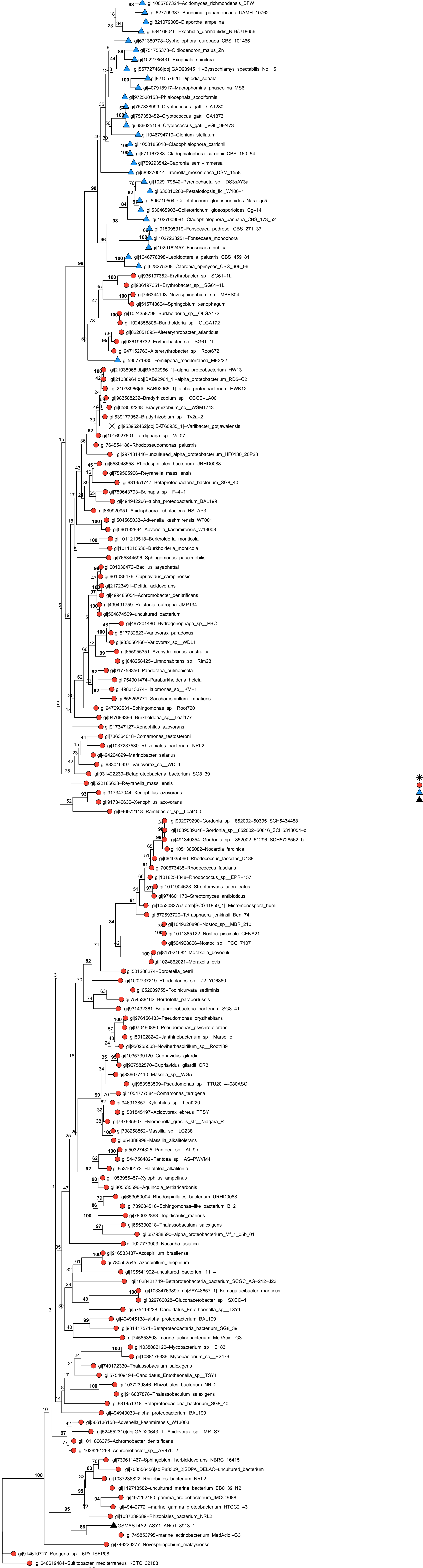
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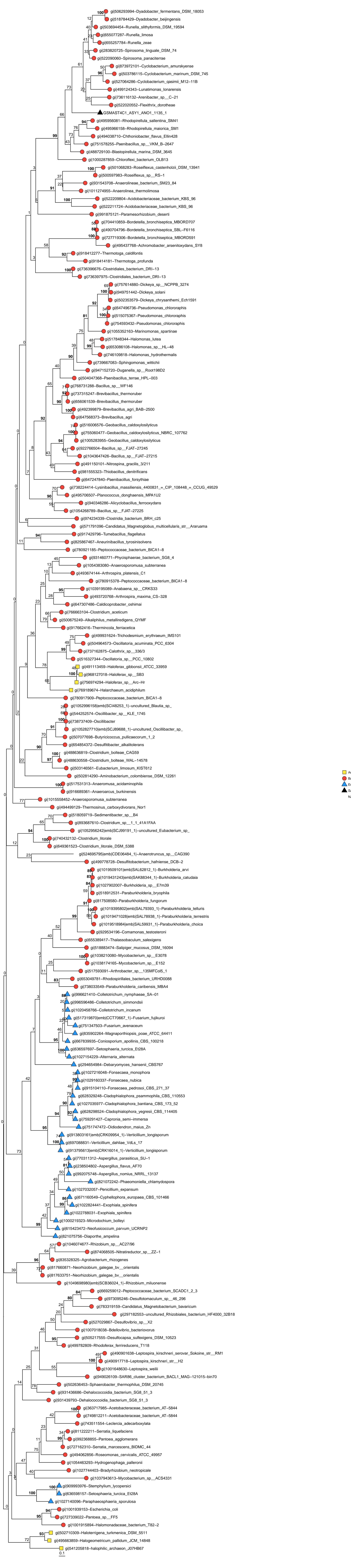


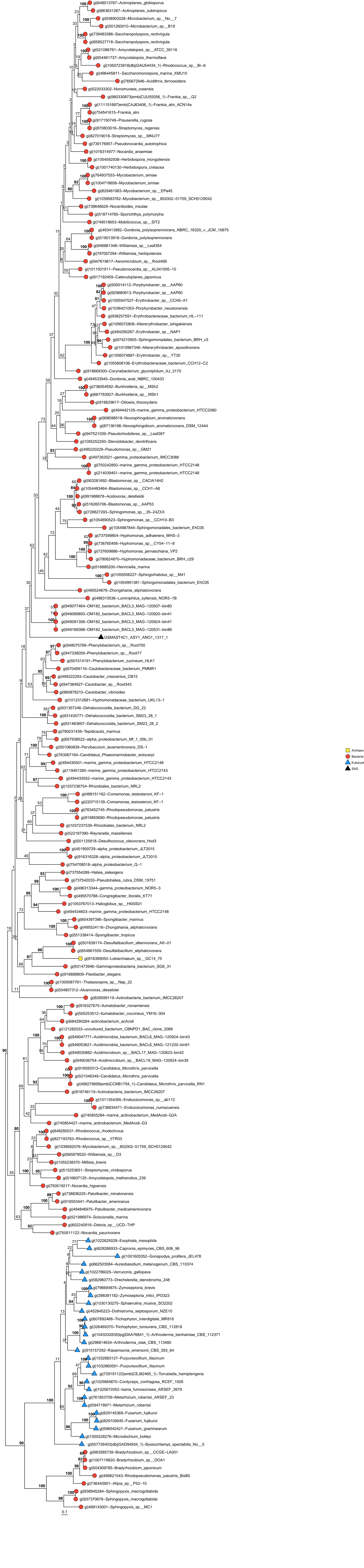


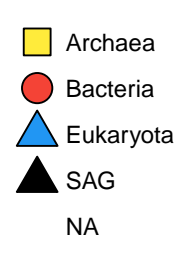




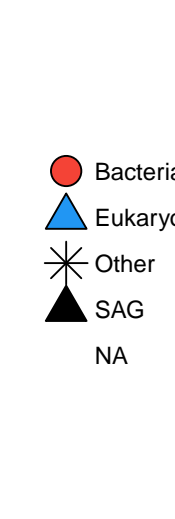
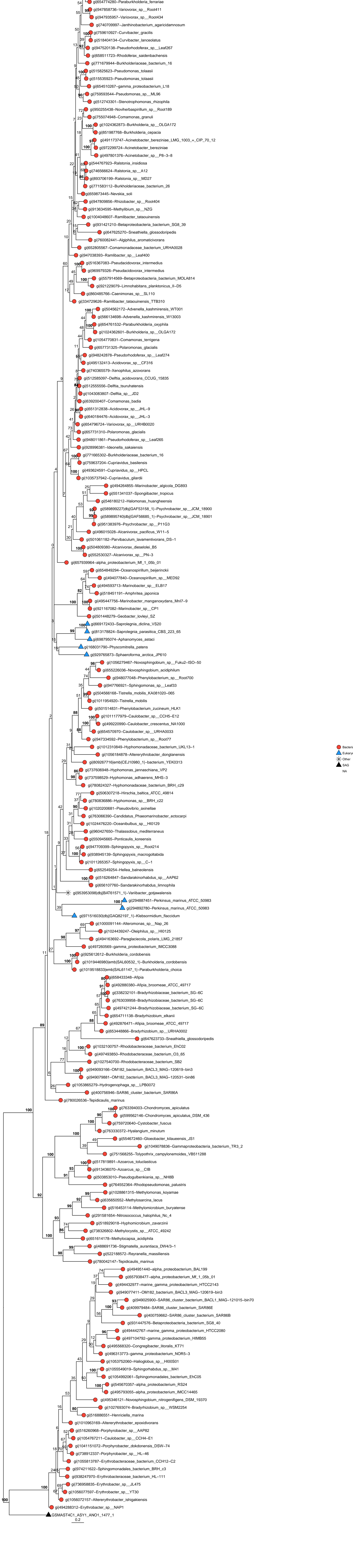


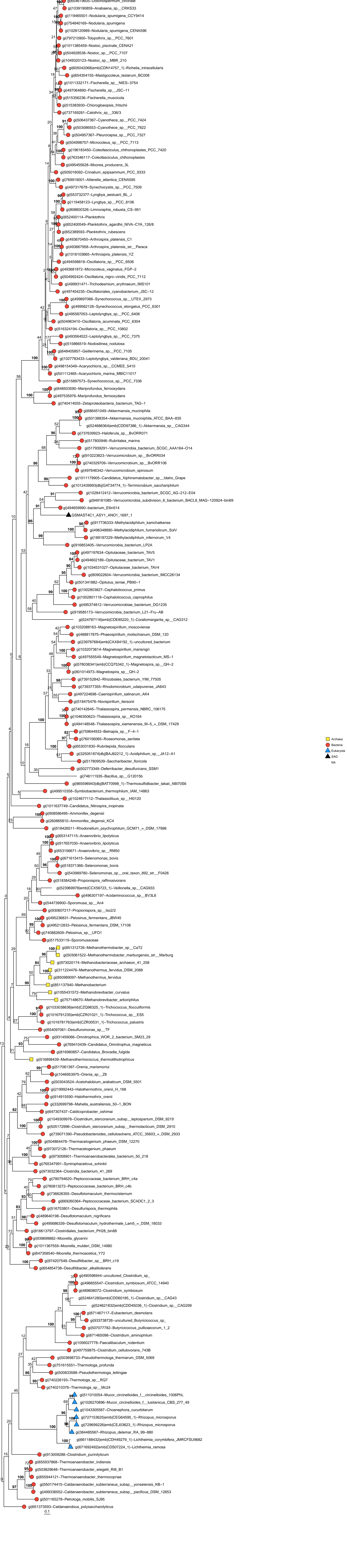


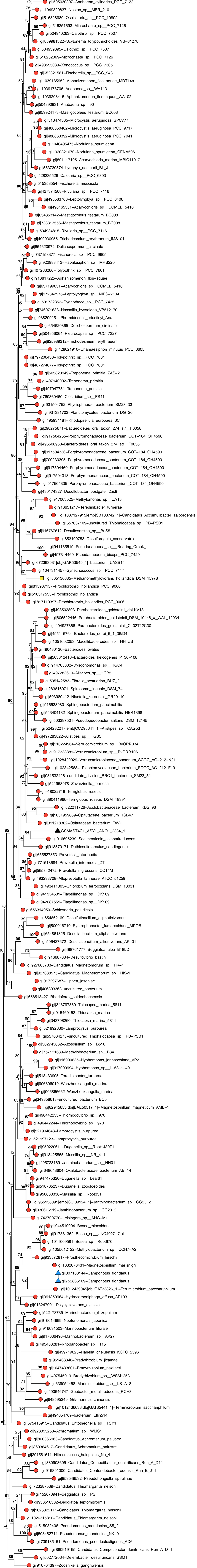


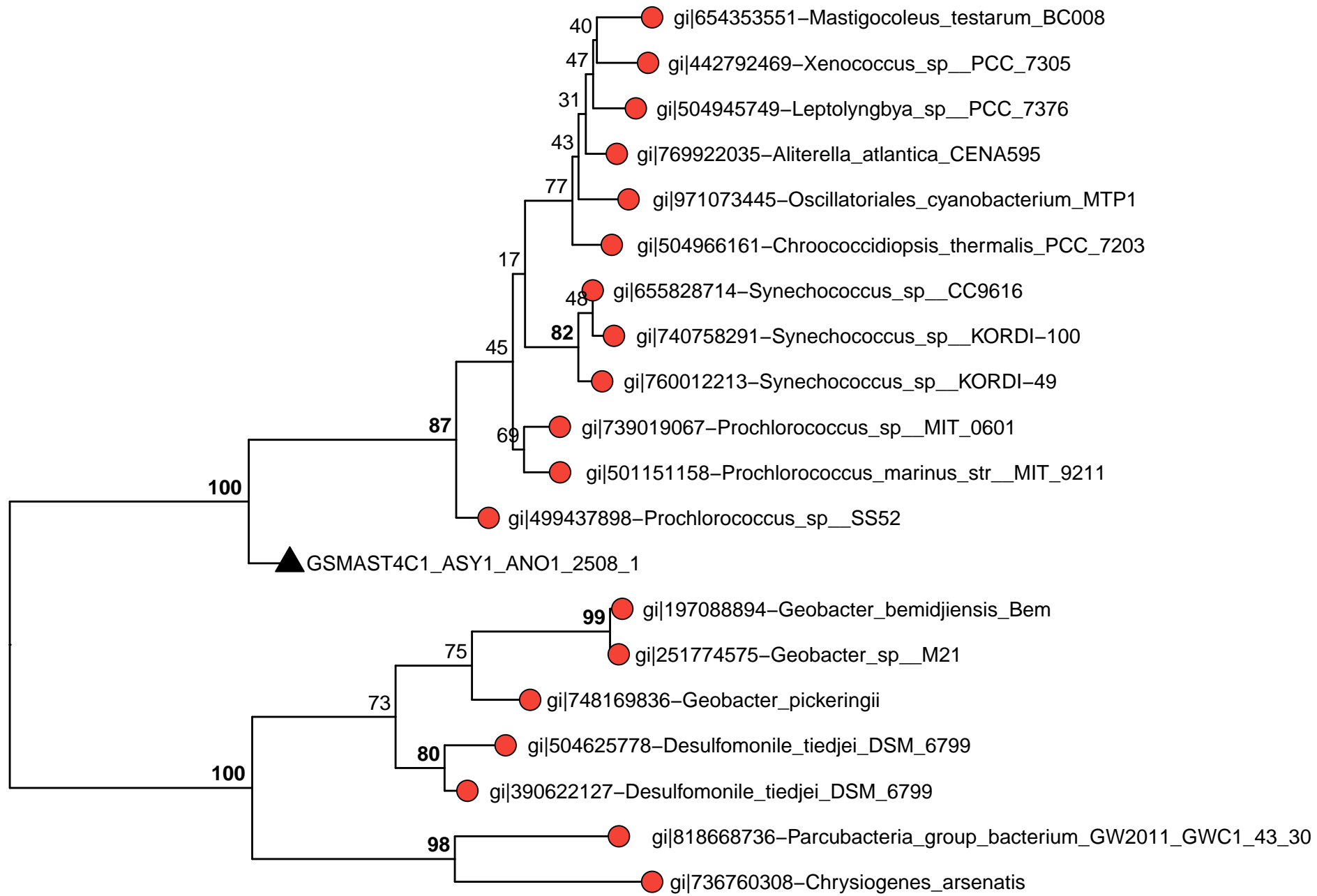


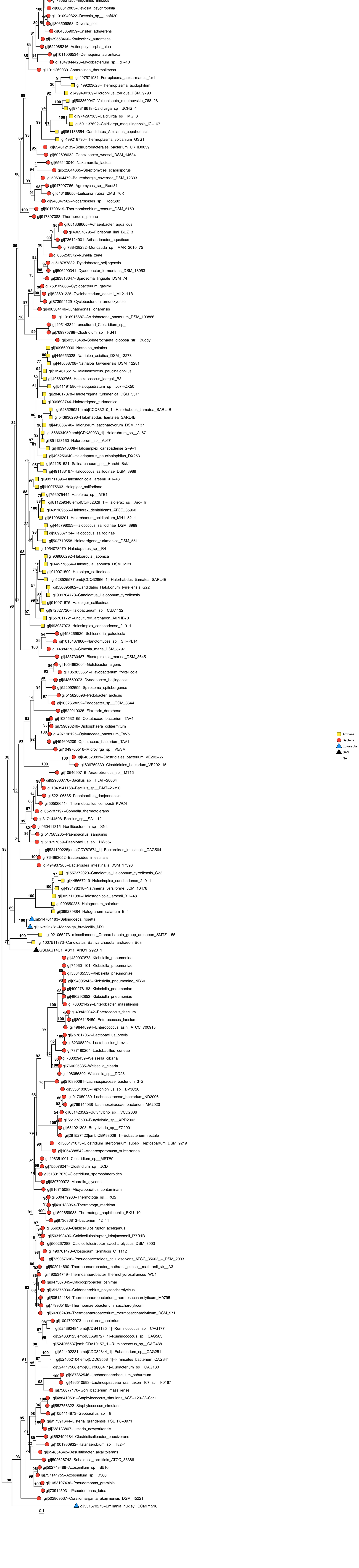
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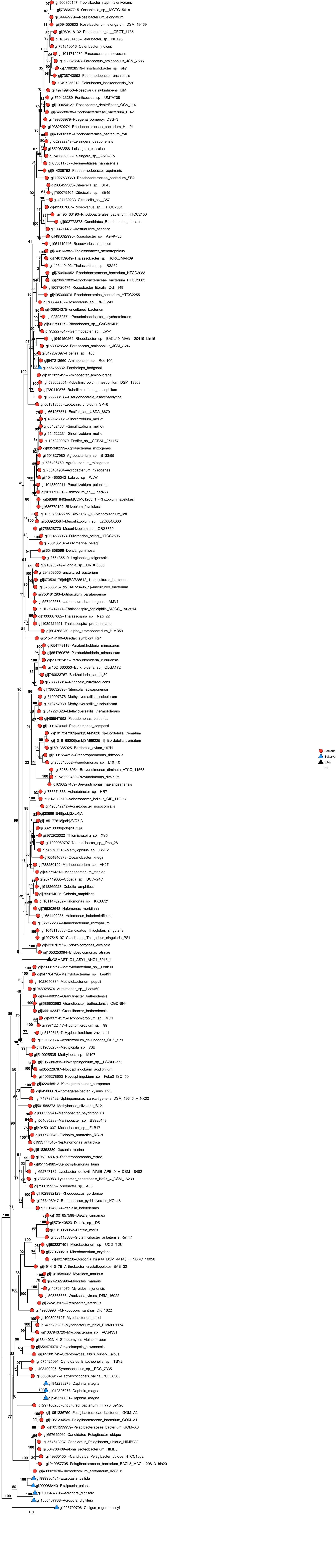




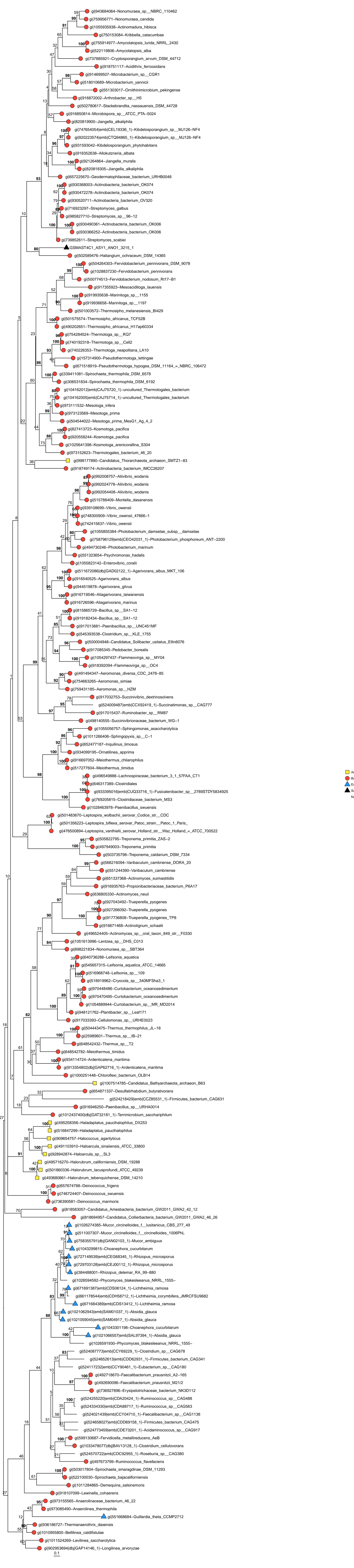


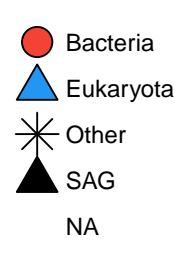
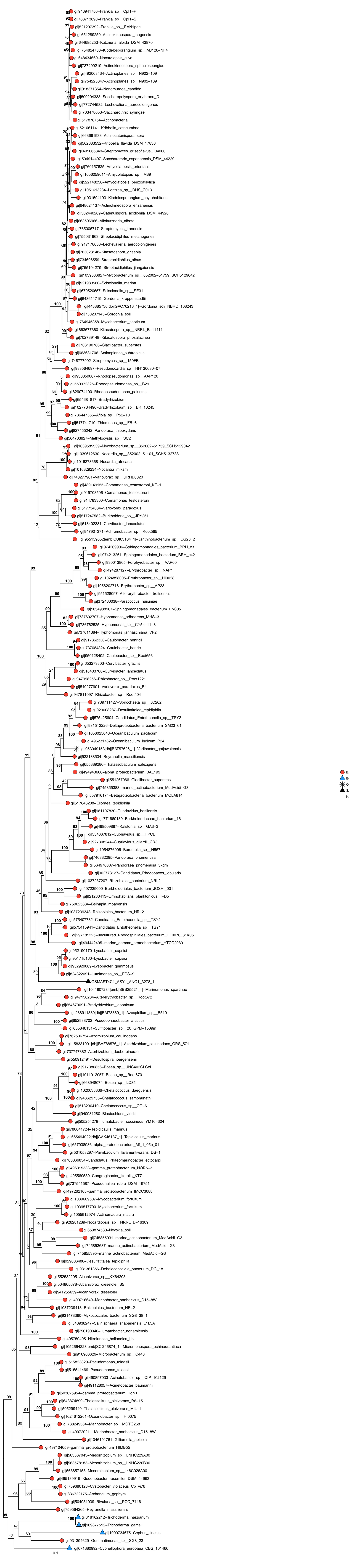






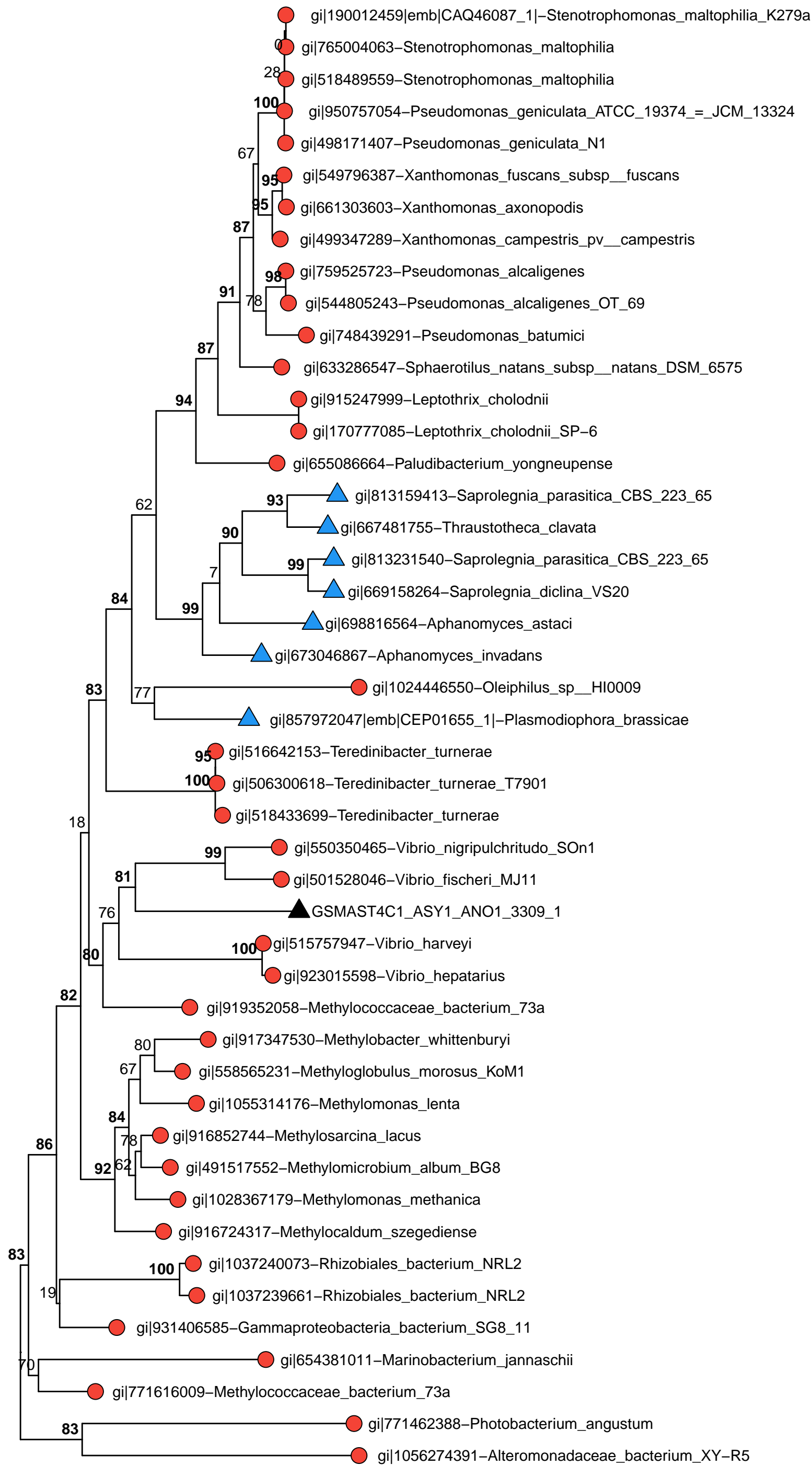
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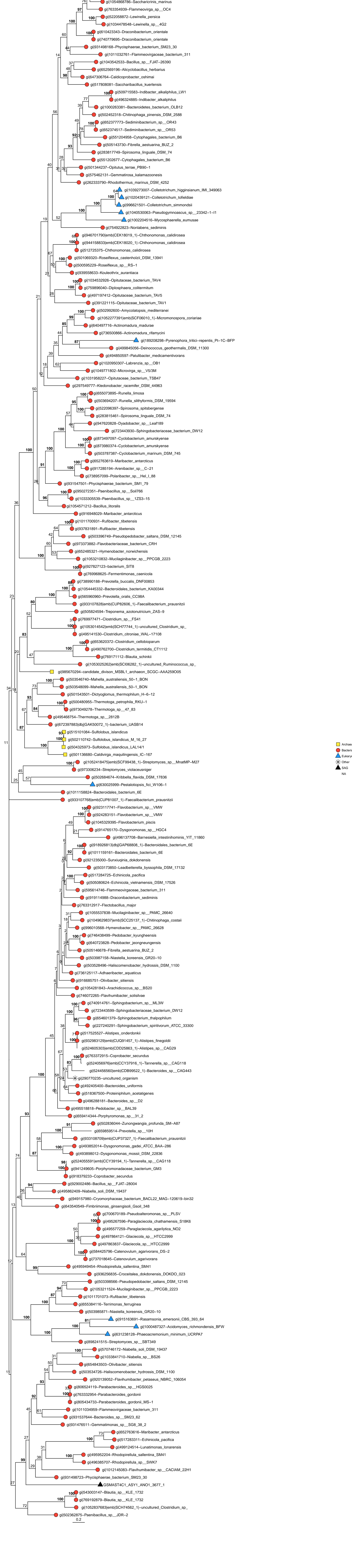
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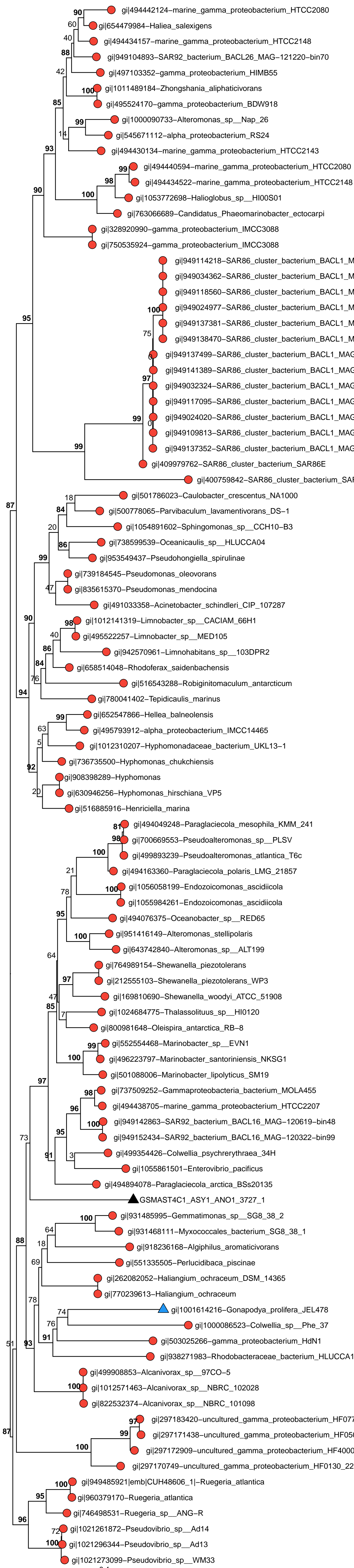
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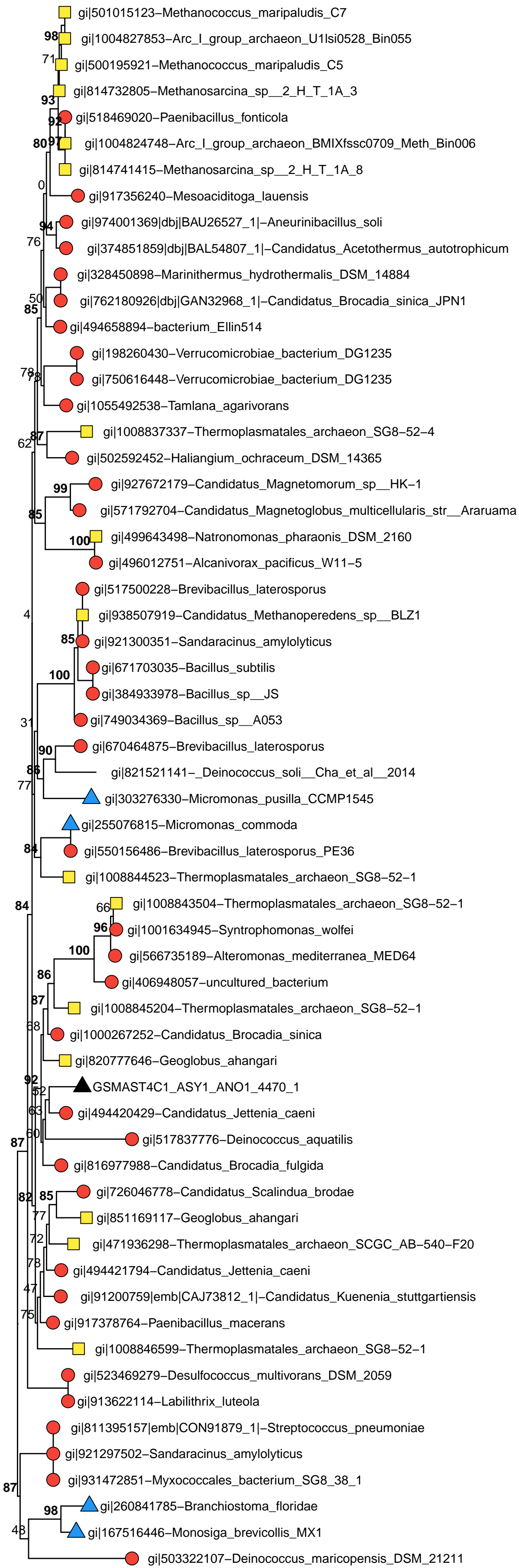


● Bacteria
 ▲ Eukaryota
 ▲ SAG

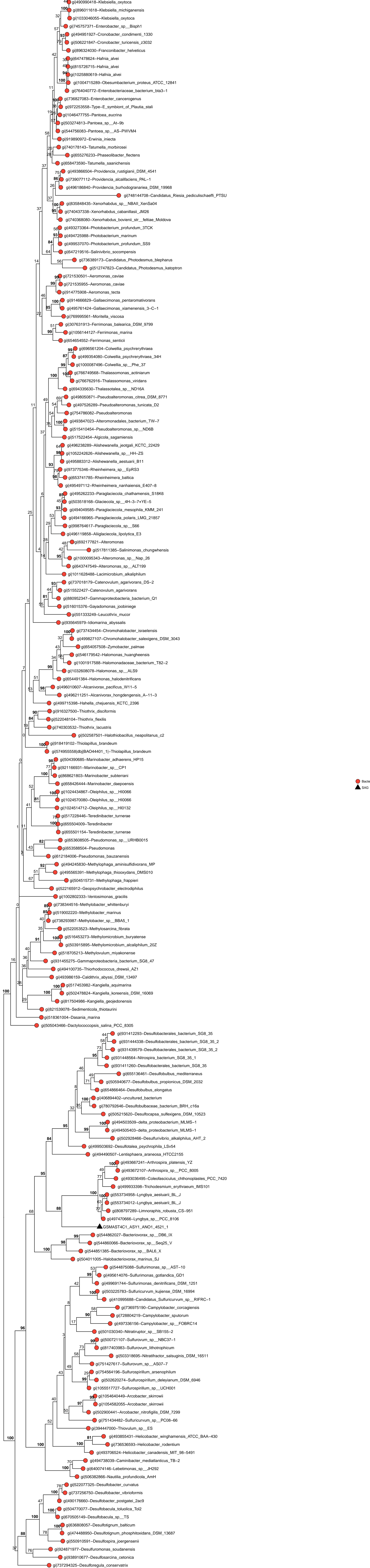
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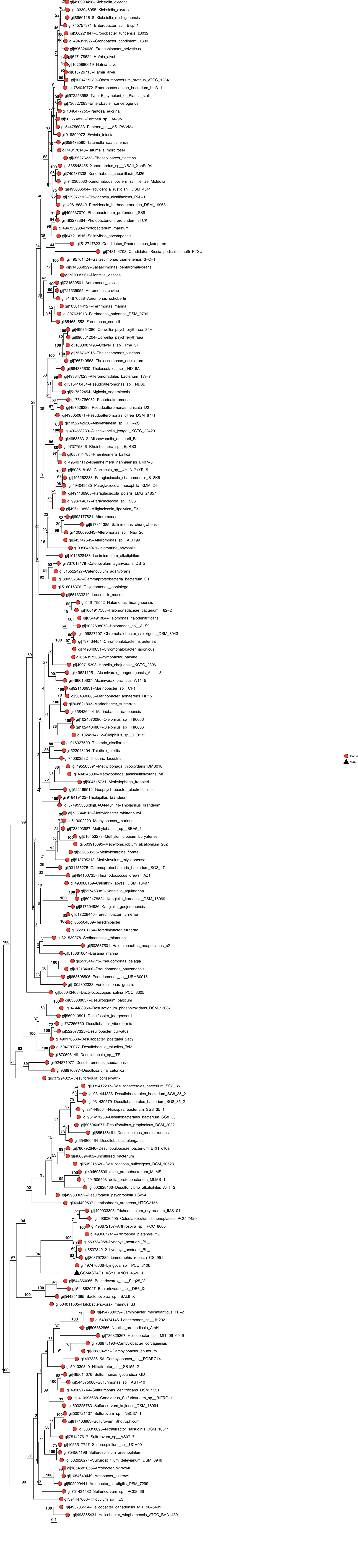


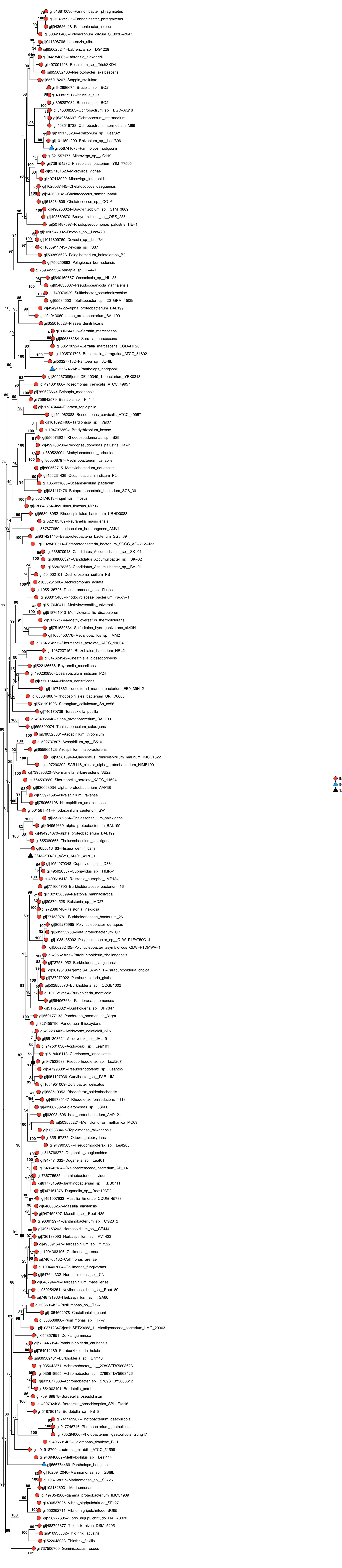


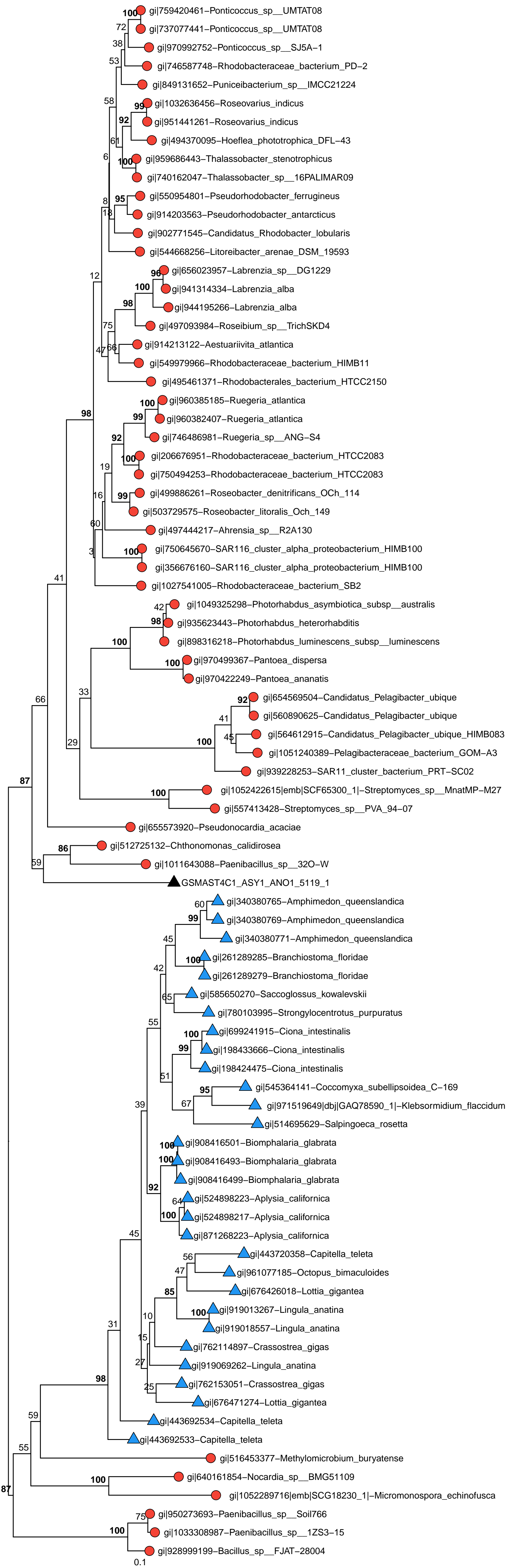


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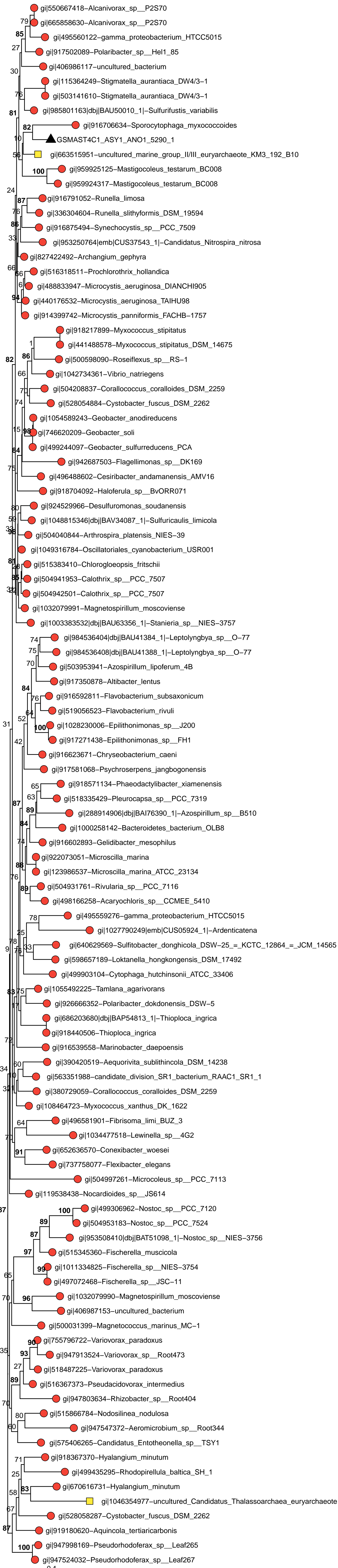


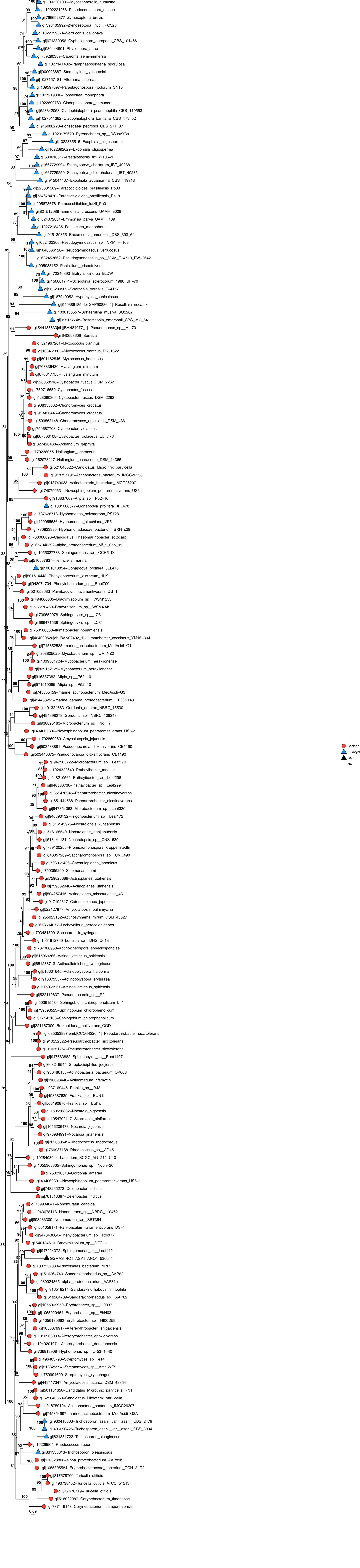


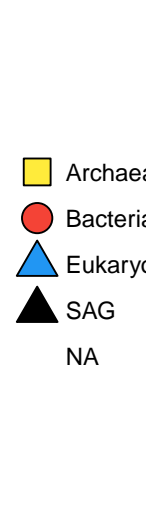
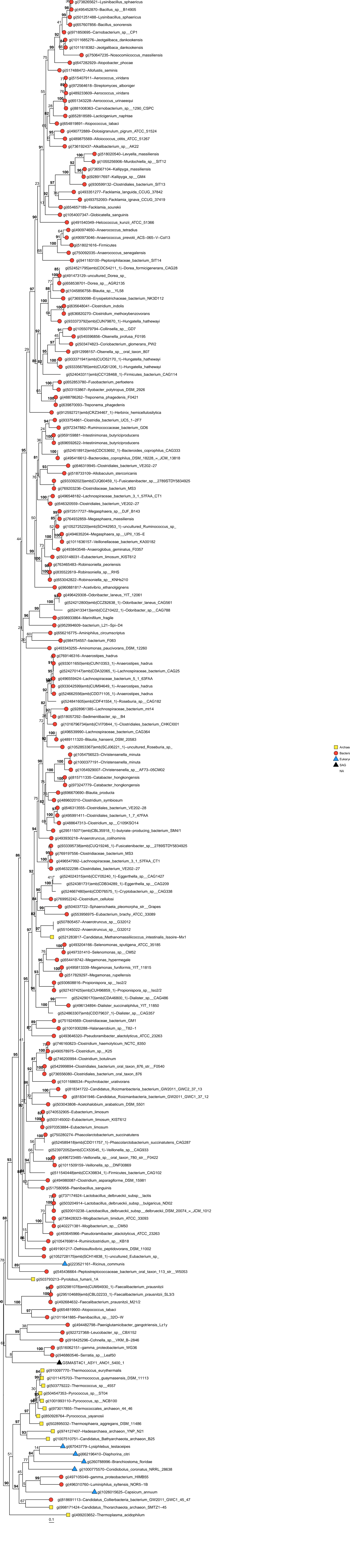


● Bacteria
 ▲ Eukaryota
 ▲ SAG

0.1



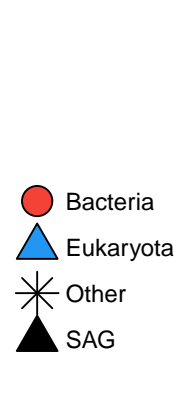
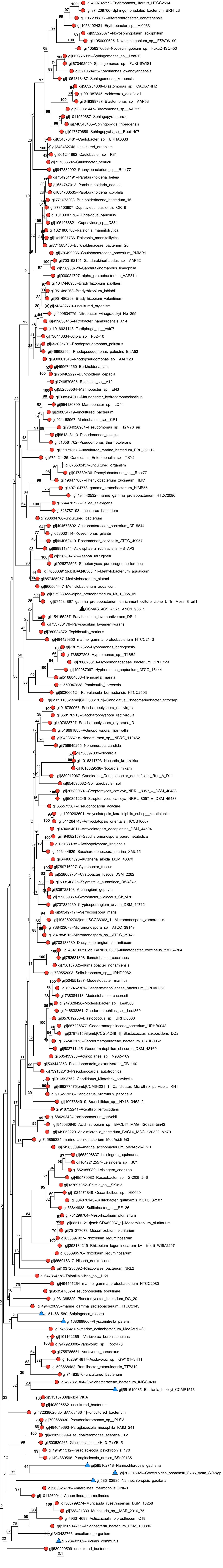




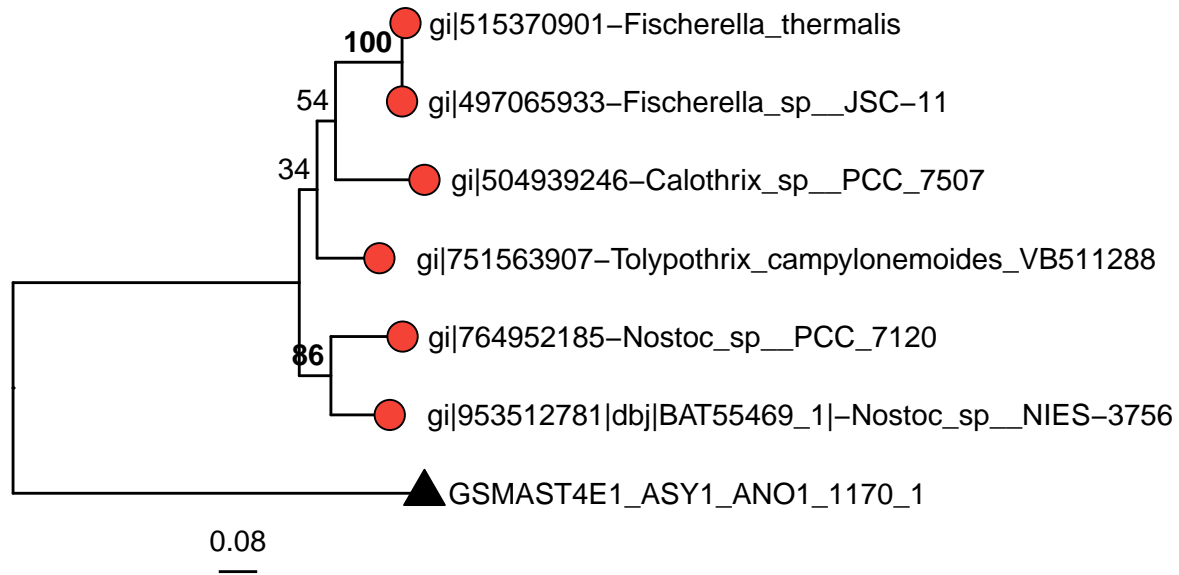
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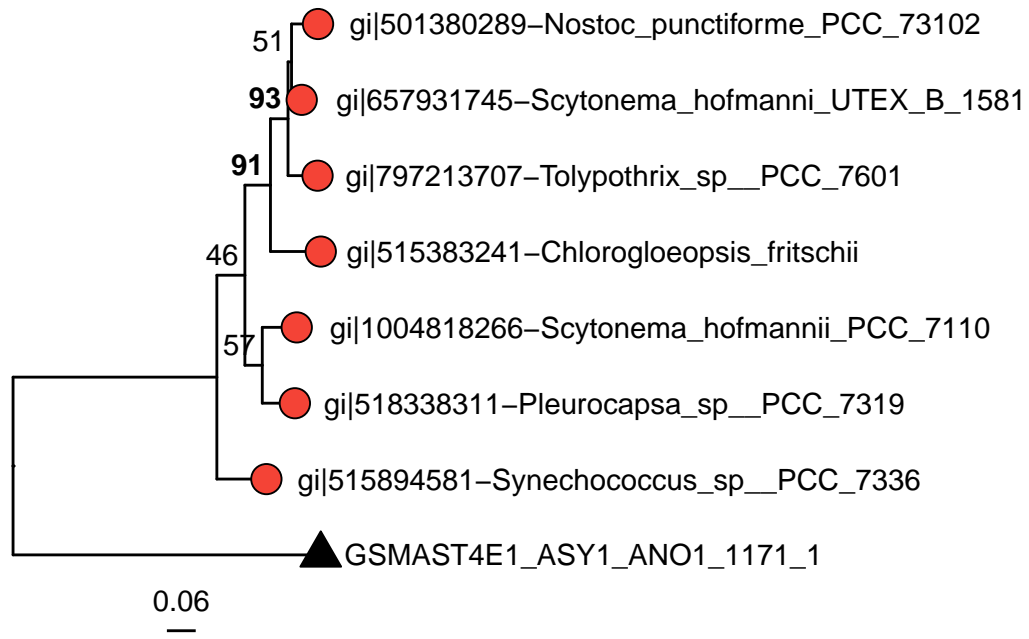
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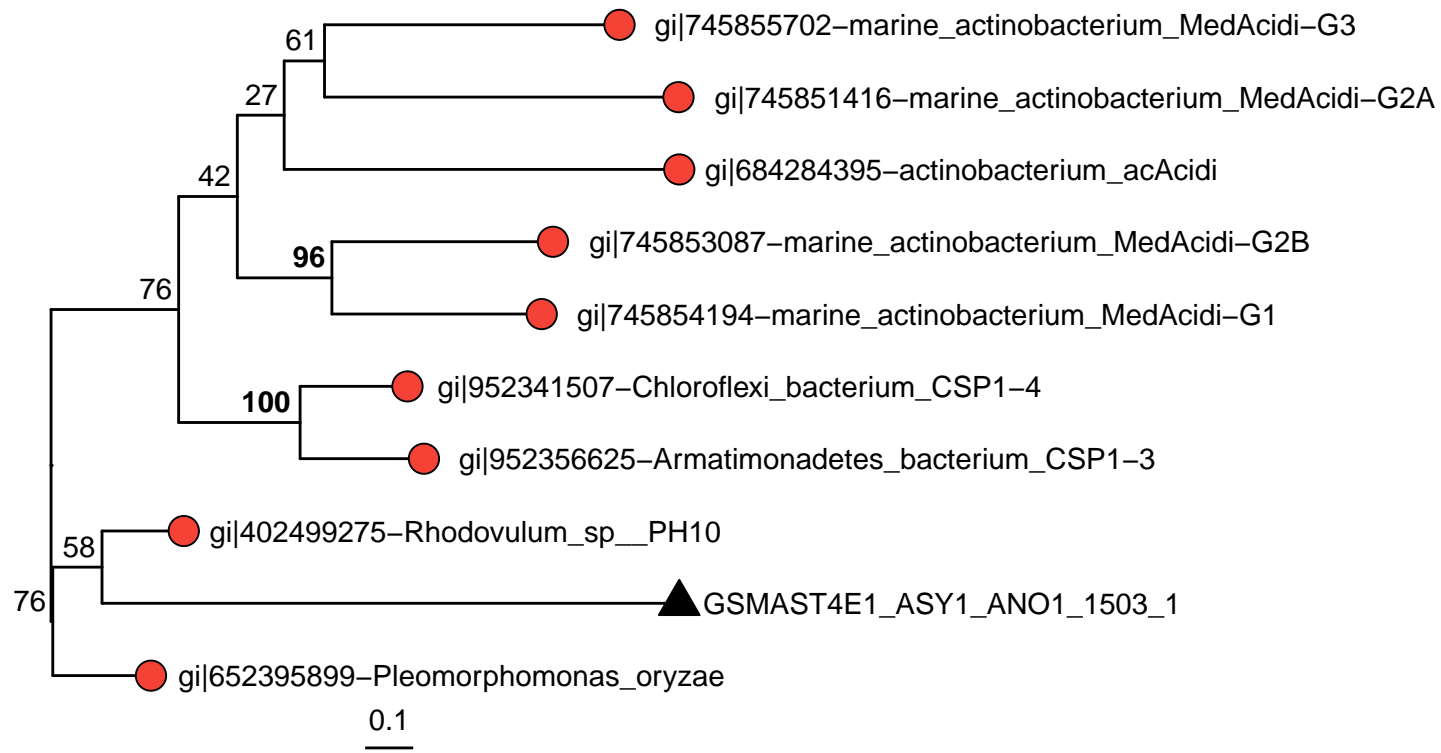
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 89 ● gj|655225671-Novosphingobium_acidiphilum
 100 ● gj|1056090625-Novosphingobium_sp_FSW06-99
 ● gj|1056270653-Novosphingobium_sp_Fuku2-ISO-50
 59 ● gj|667775391-Sphingomonas_sp_Leaf30
 74 ● gj|670492929-Sphingomonas_sp_FUKUSWIS1
 89 ● gj|521068422-Kordiimonas_gwangyangensis
 ● gj|1054813487-Sphingomonas_koreensis
 97 ● gj|563284308-Blastomonas_sp_CACIA14H2
 84 ● gj|991987845-Acidovorax_delafieldii
 100 ● gj|648399737-Blastomonas_sp_AAP53
 ● gj|930031447-Blastomonas_sp_AAP25
 32 ● gj|1011959687-Sphingopyxis_terrae
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 43 ● gj|501241862-Caulobacter_sp_K31
 ● gj|737083682-Caulobacter_henricii
 ● gj|947332992-Phenylbacterium_sp_Root77
 99 ● gj|754901191-Paraburkholderia_heleia
 30 ● gj|654747012-Paraburkholderia_nodosa
 23 ● gj|654766535-Paraburkholderia_oxiphila
 10 ● gj|771673208-Burkholderiaceae_bacterium_16
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 29 ● gj|343482770-uncultured_organism
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 48 ● gj|499830415-Nitrobacter_hamburgensis_X14
 ● gj|1016924148-Tardiphaga_sp_Vaf07
 41 ● gj|736446634-Afipia_sp_P52-10
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 91 ● gj|764928904-Pseudomonas_sp_12M76_air
 69 ● gj|551343113-Pseudomonas_pelagia
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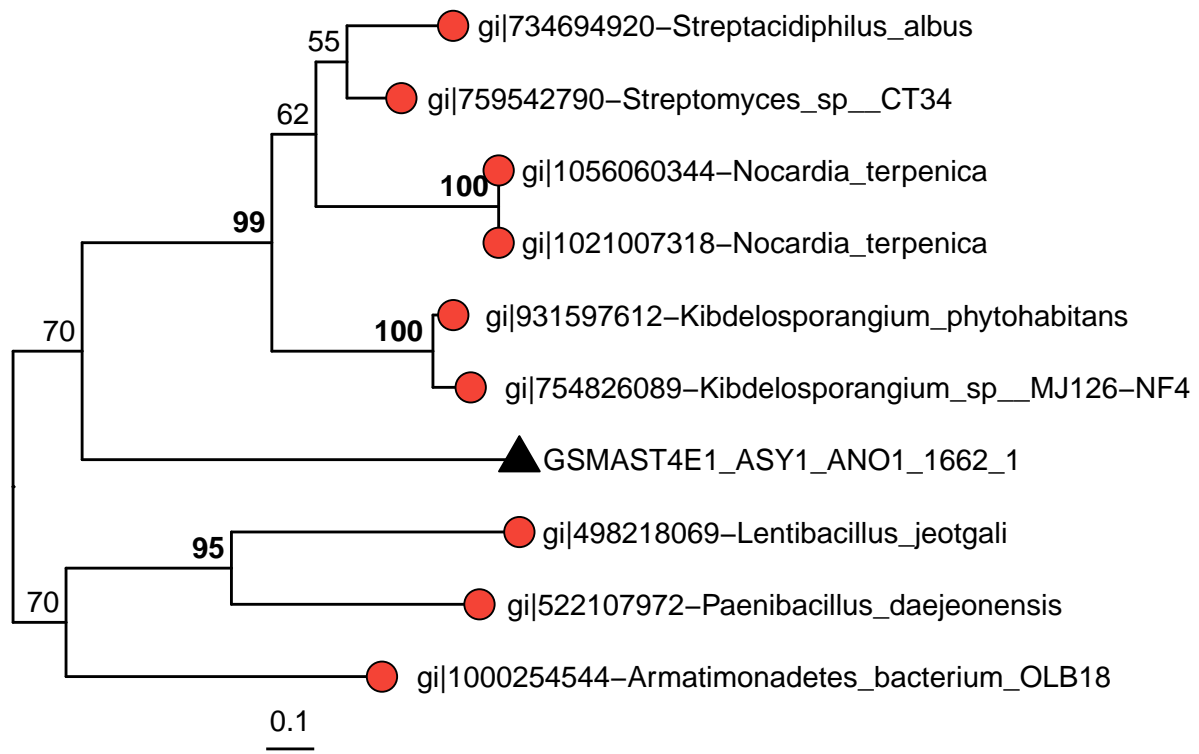


● Bacteria
▲ SAG

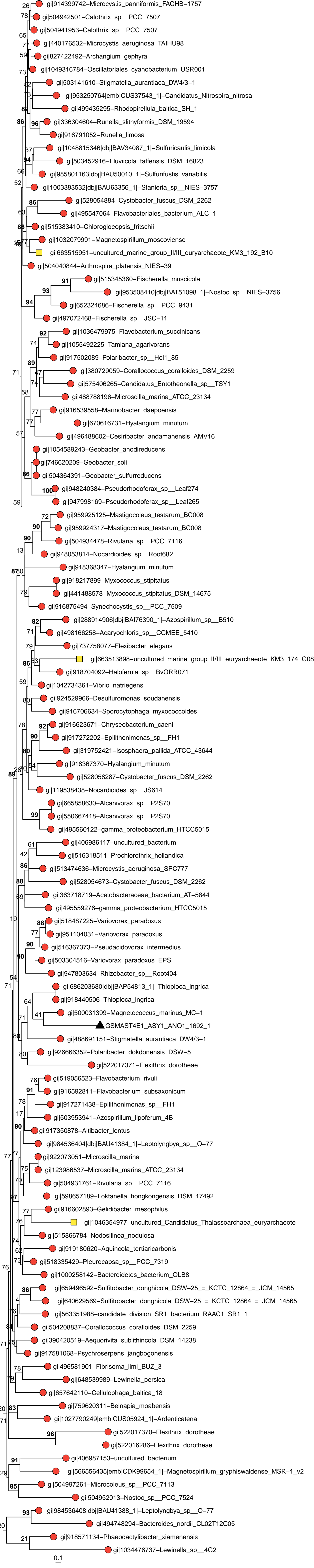


● Bacteria
▲ SAG

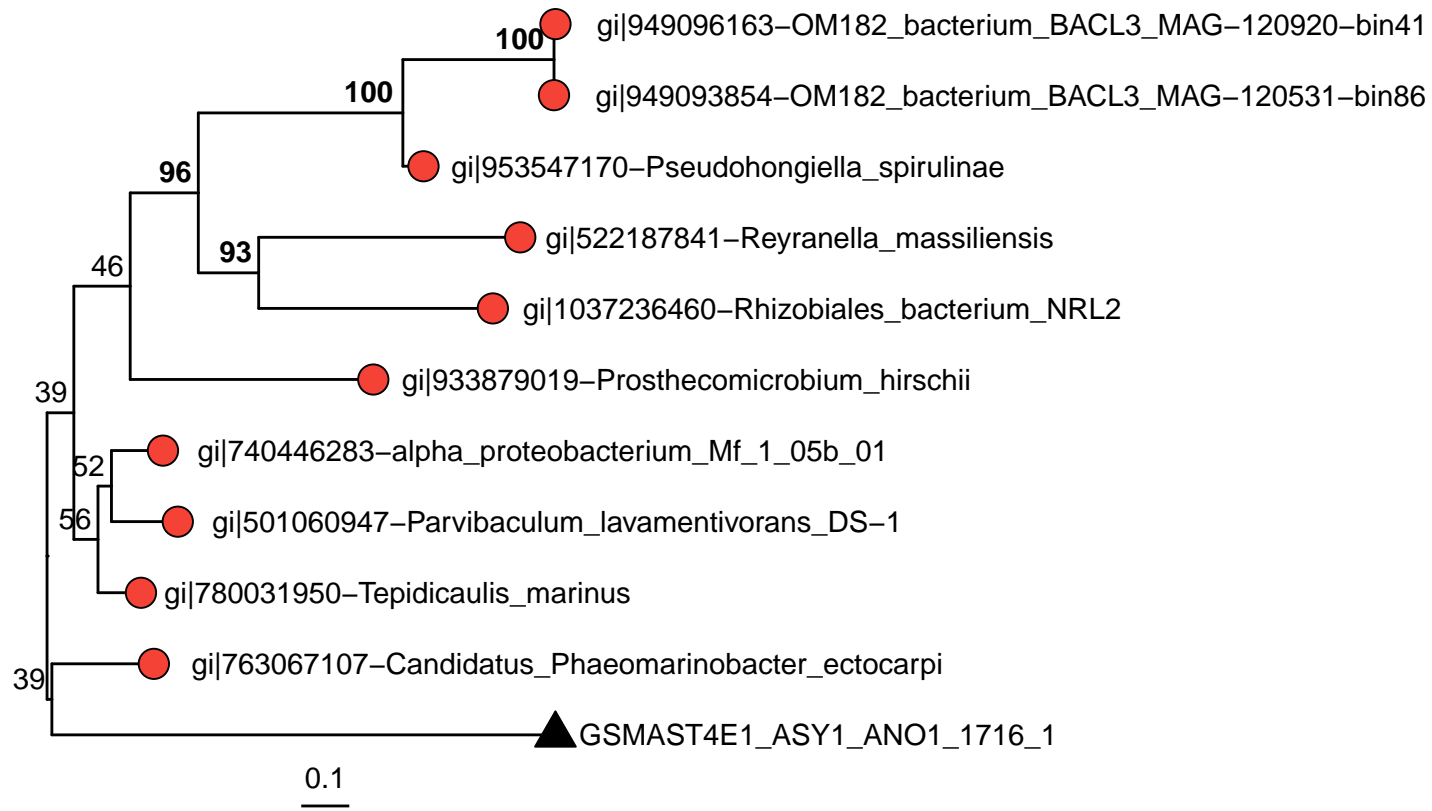




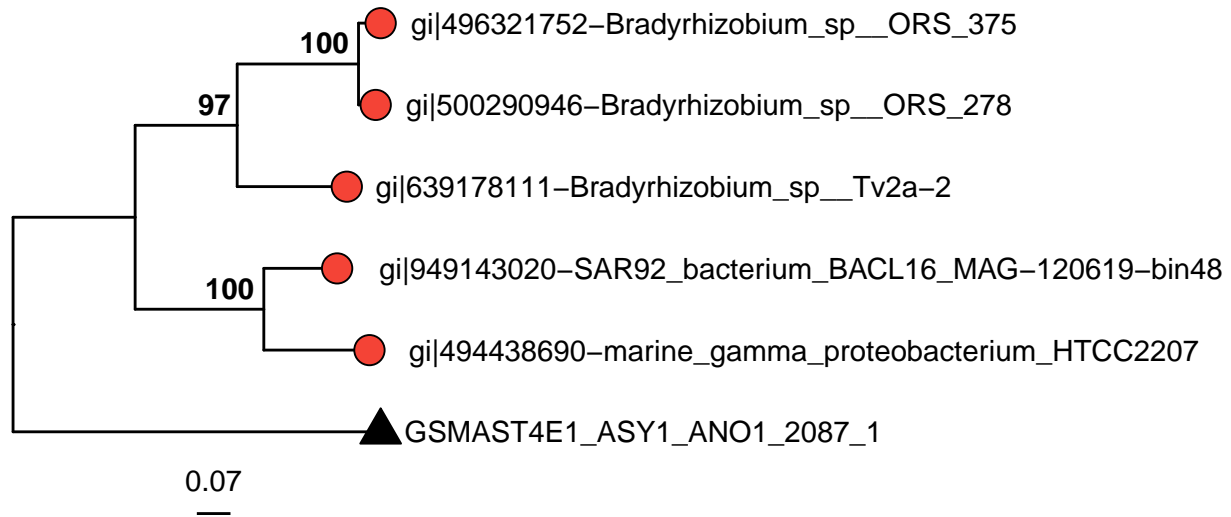
● Bacteria
▲ SAG



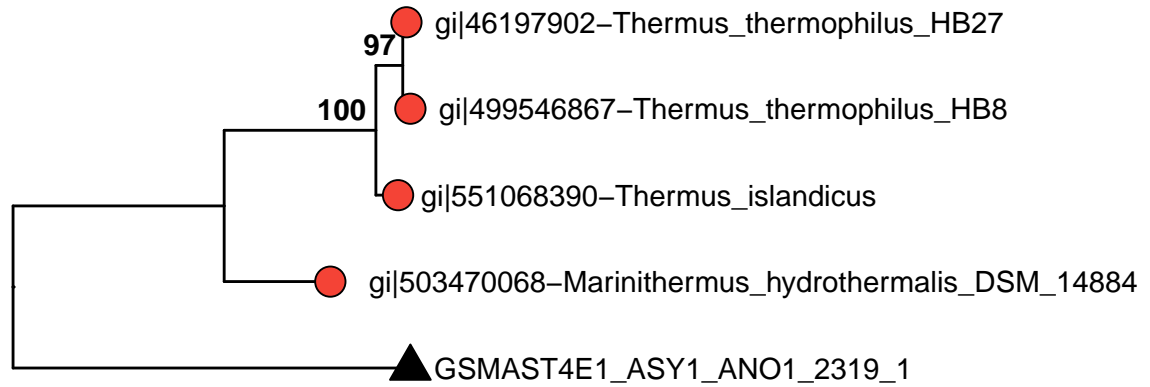
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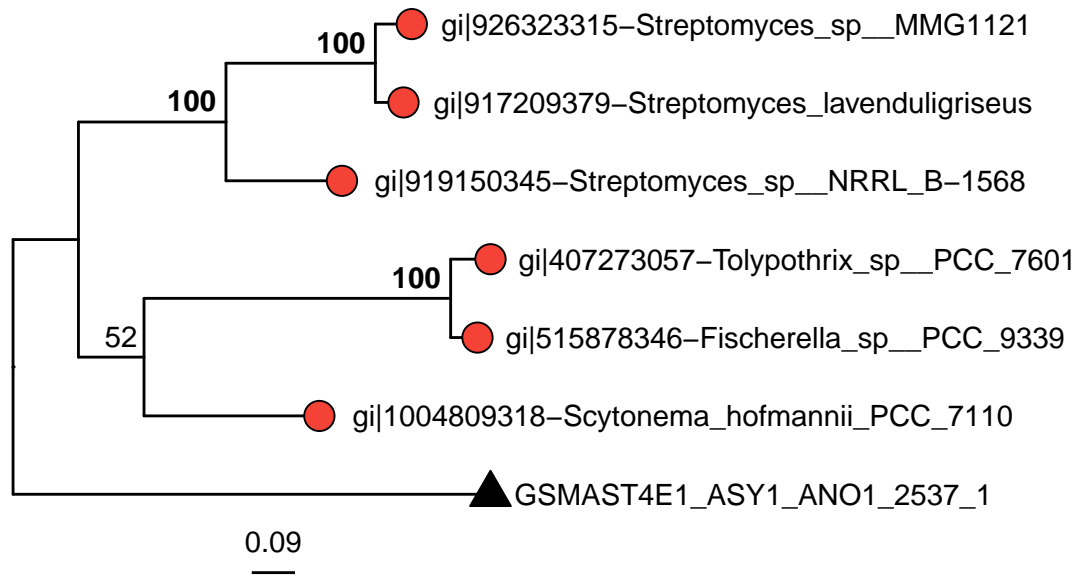
● Bacteria
▲ SAG



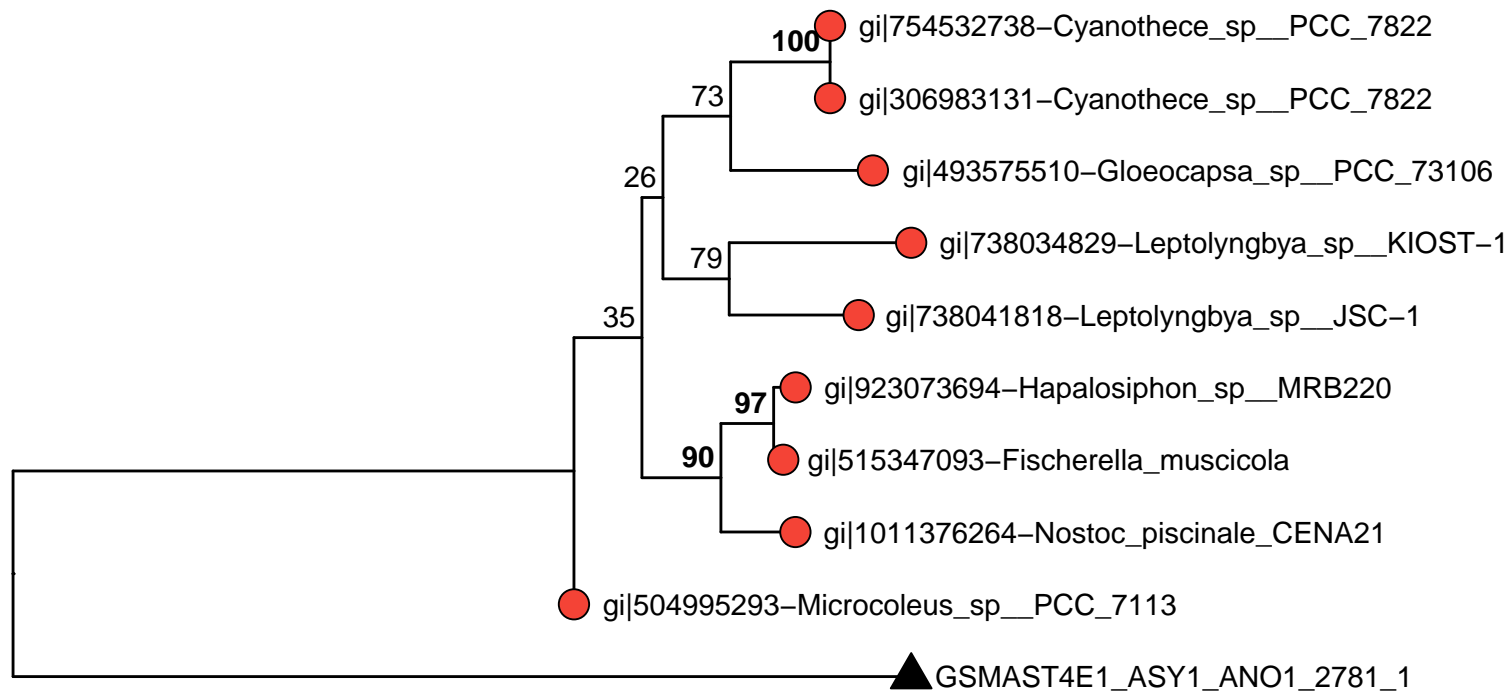
● Bacteria
▲ SAG

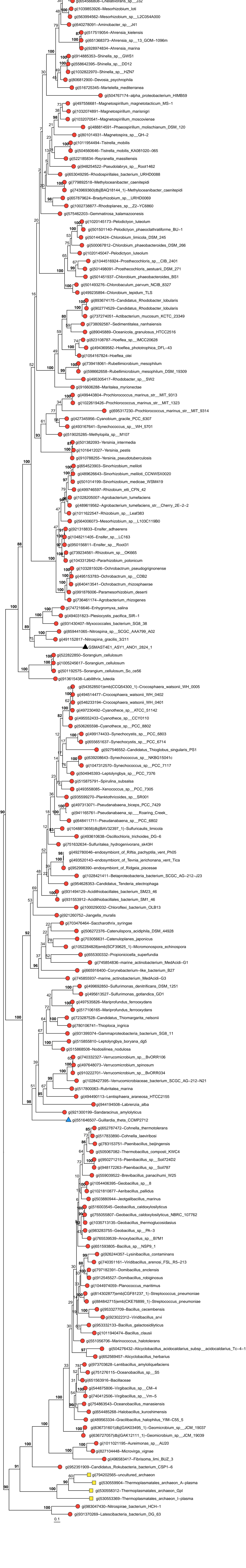


● Bacteria
▲ SAG

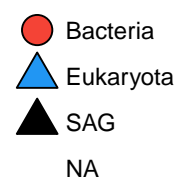
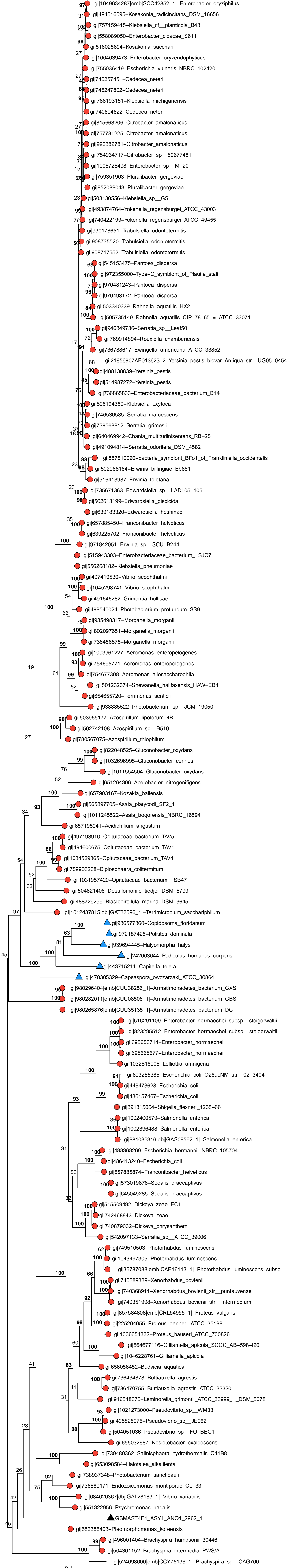


● Bacteria
▲ SAG





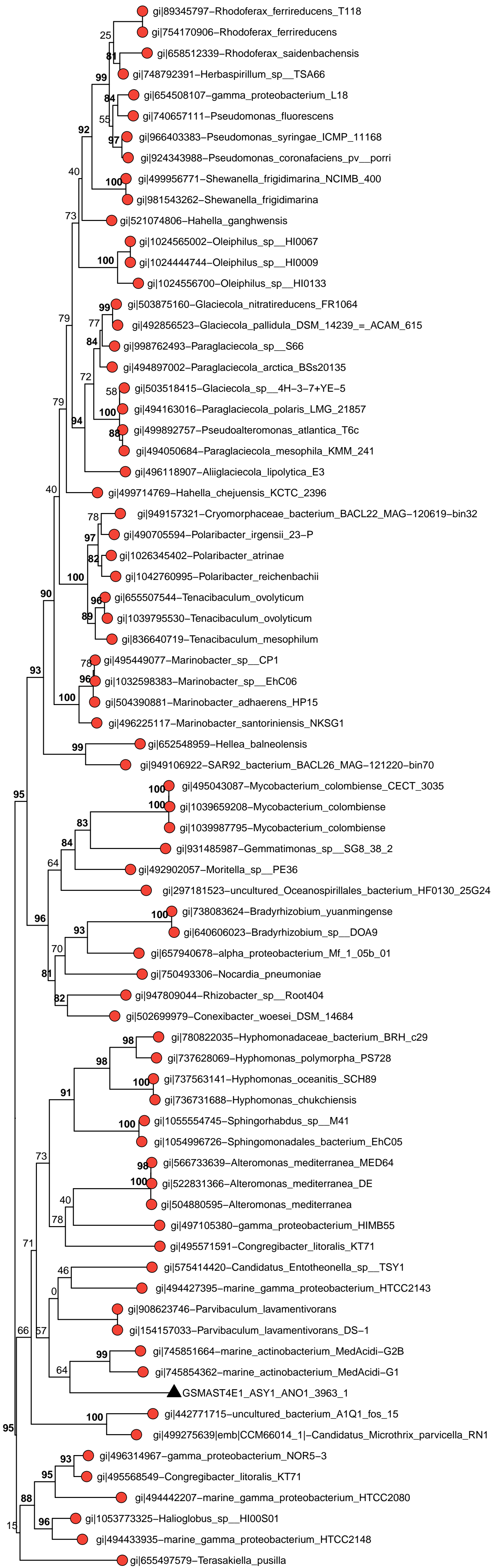
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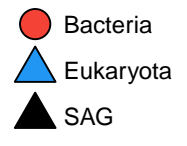
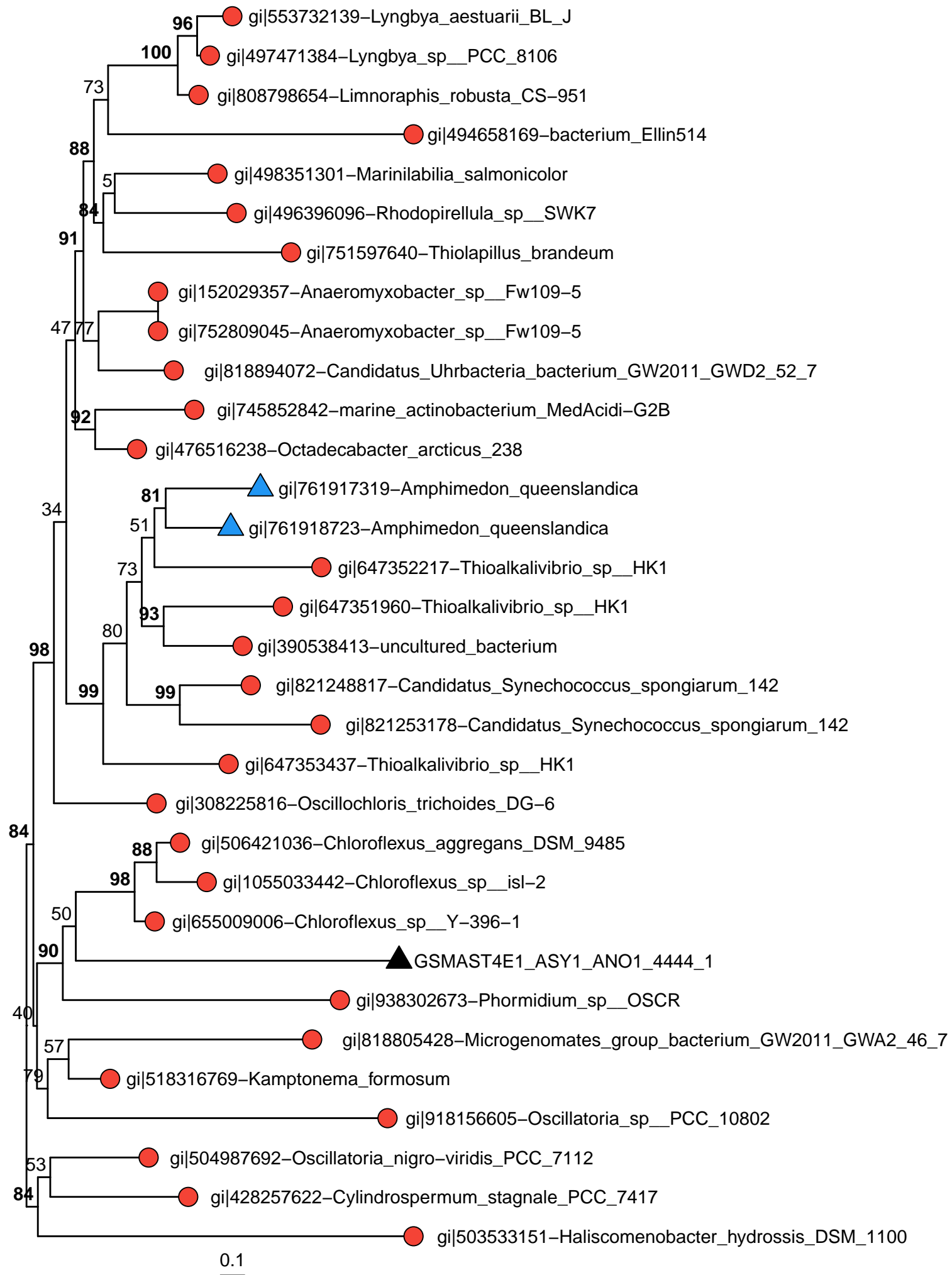
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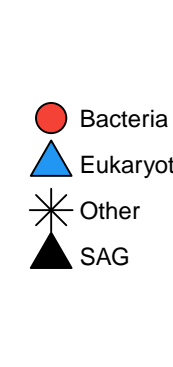
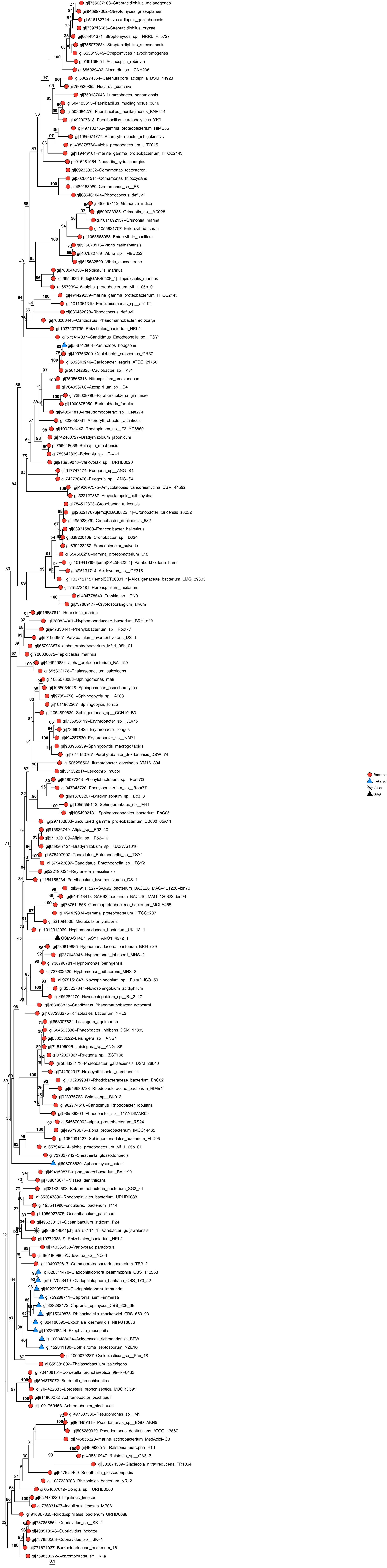


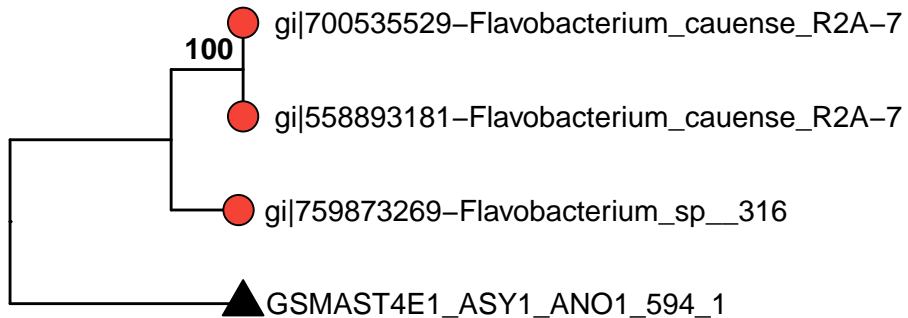




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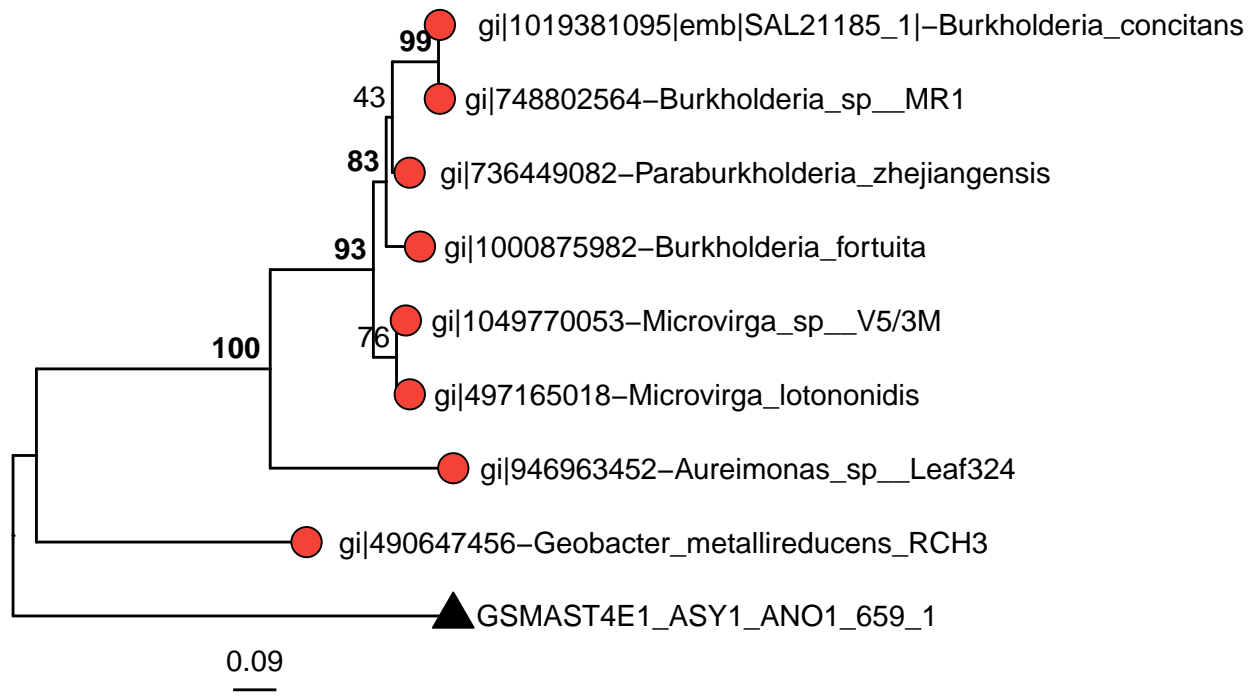




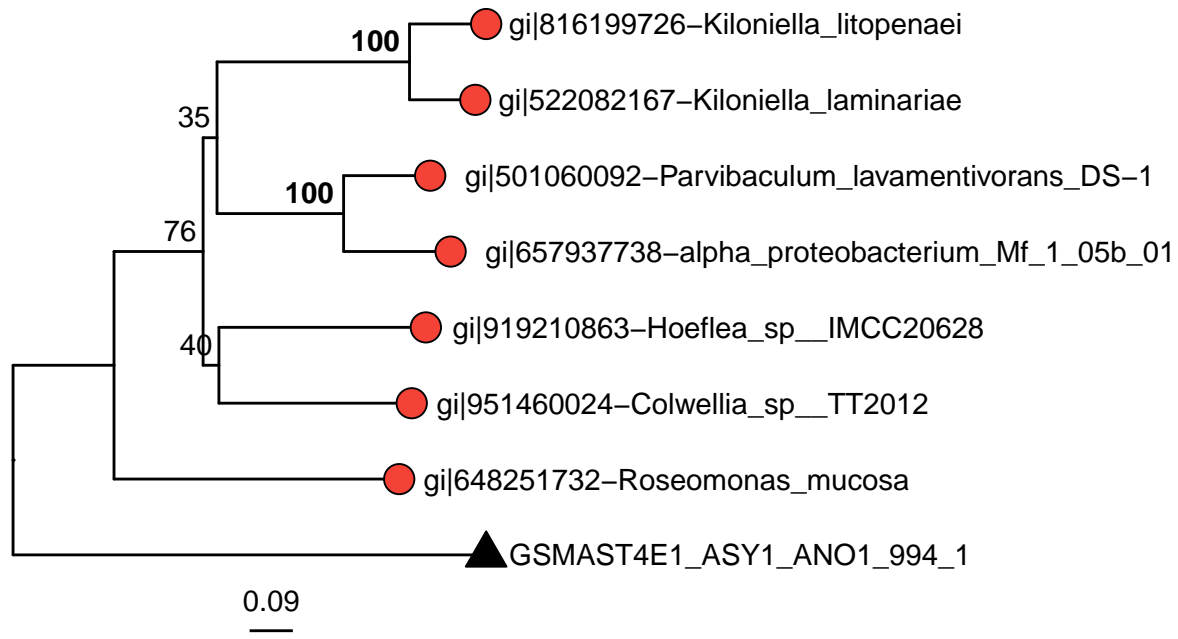
● Bacteria
▲ SAG



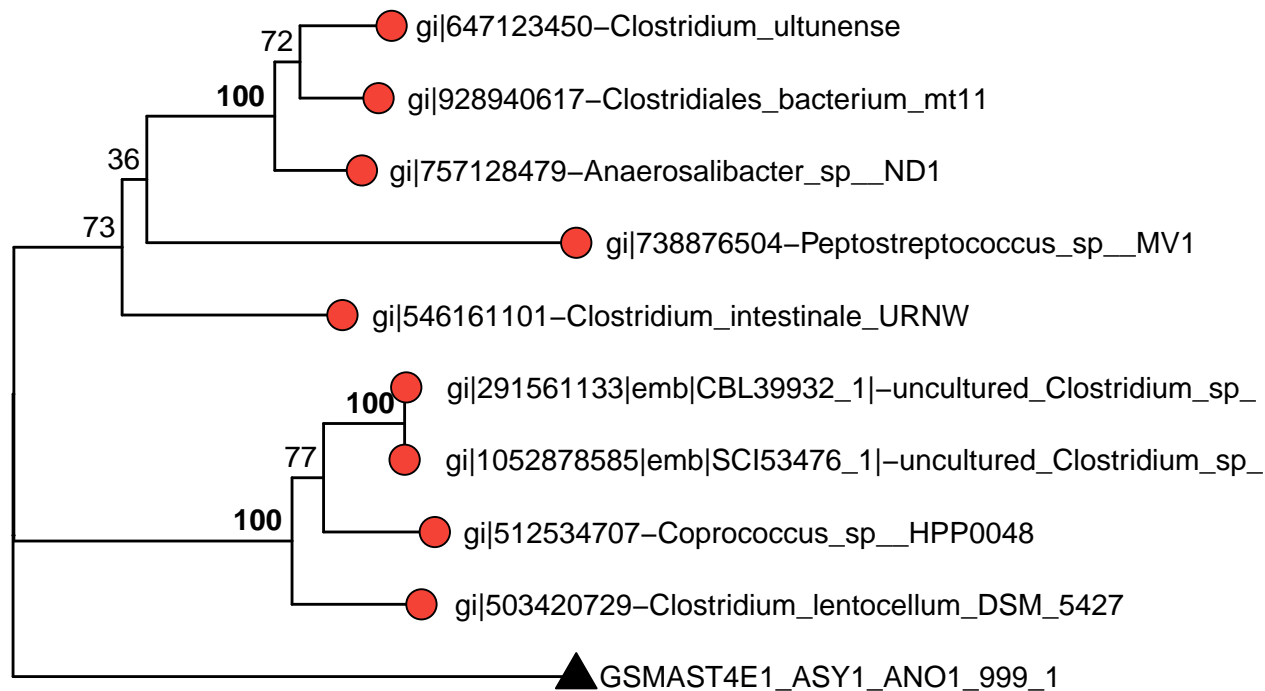
● Bacteria
▲ SAG



● Bacteria
▲ SAG



● Bacteria
▲ SAG



● Bacteria
▲ SAG