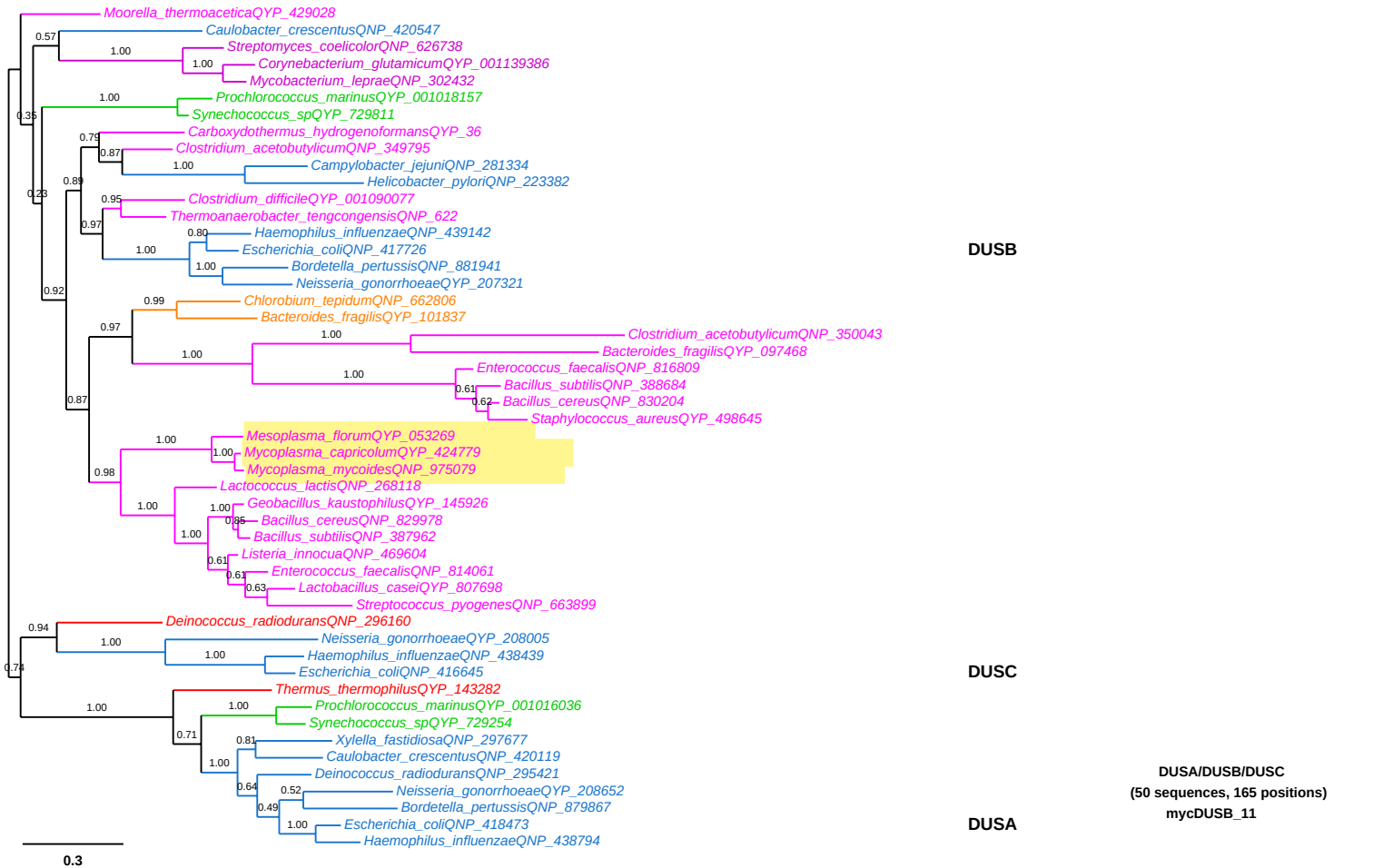
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Lactococcus_lactisQNP_268118
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DUSC
DUSA
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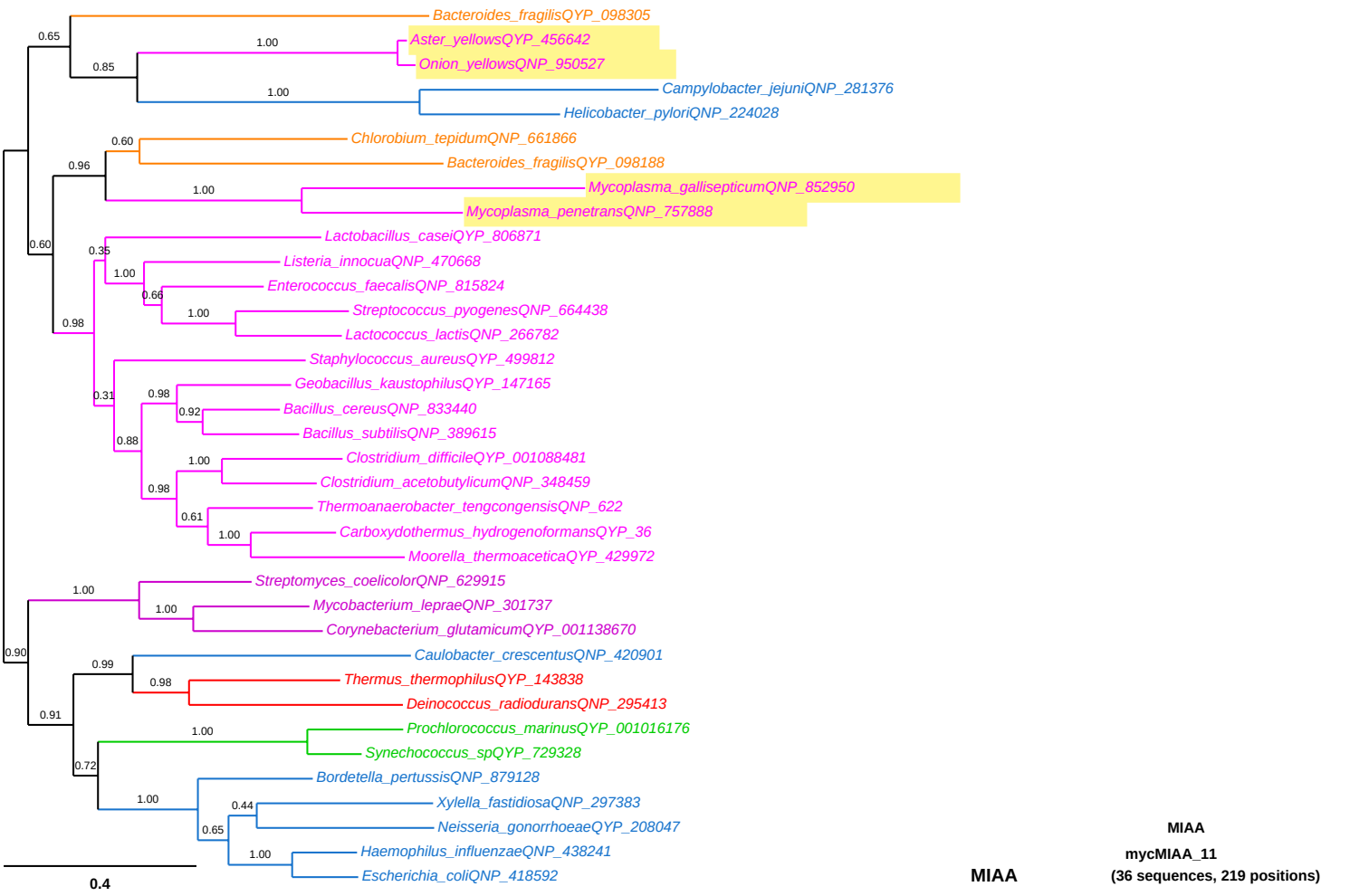
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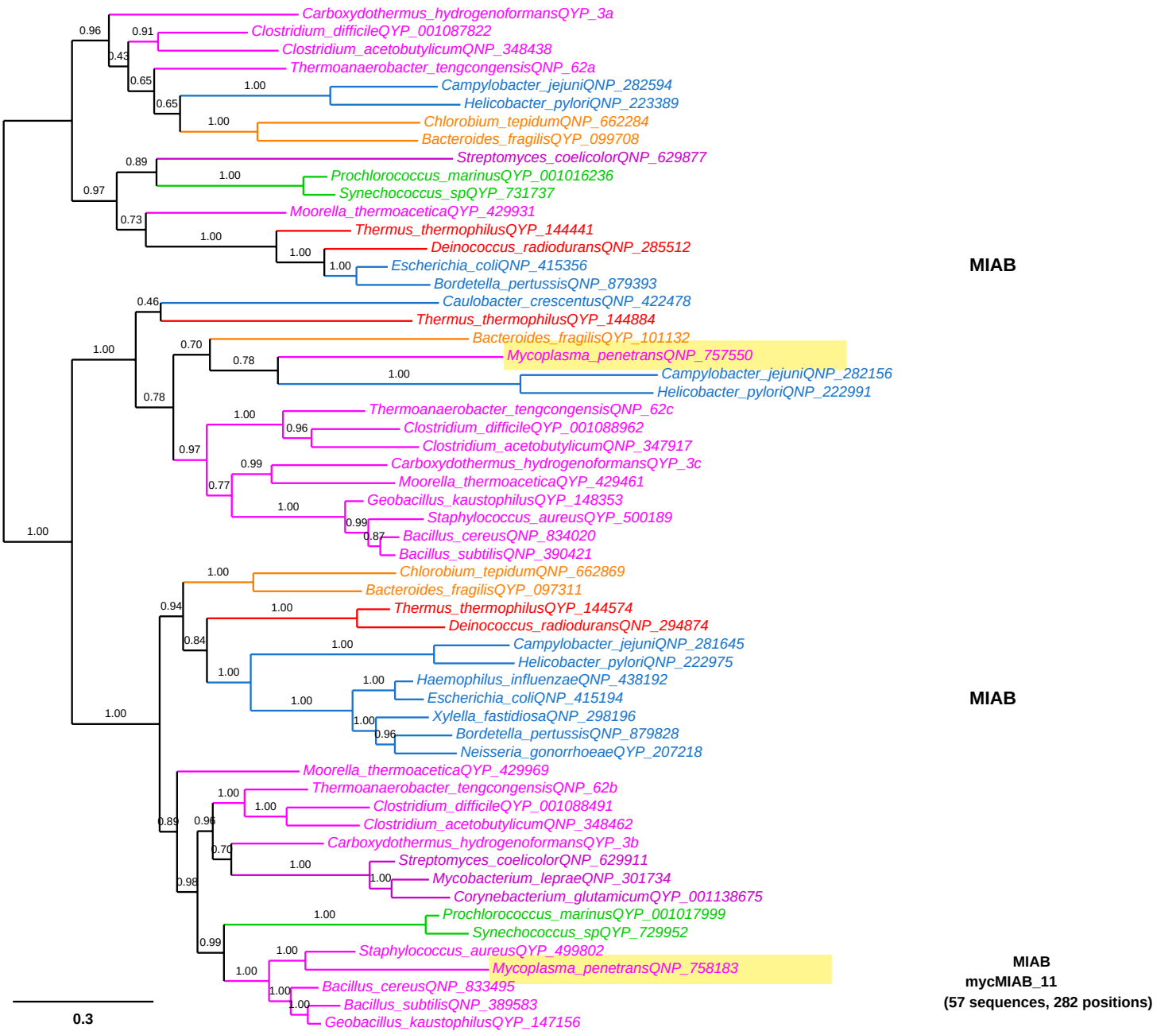
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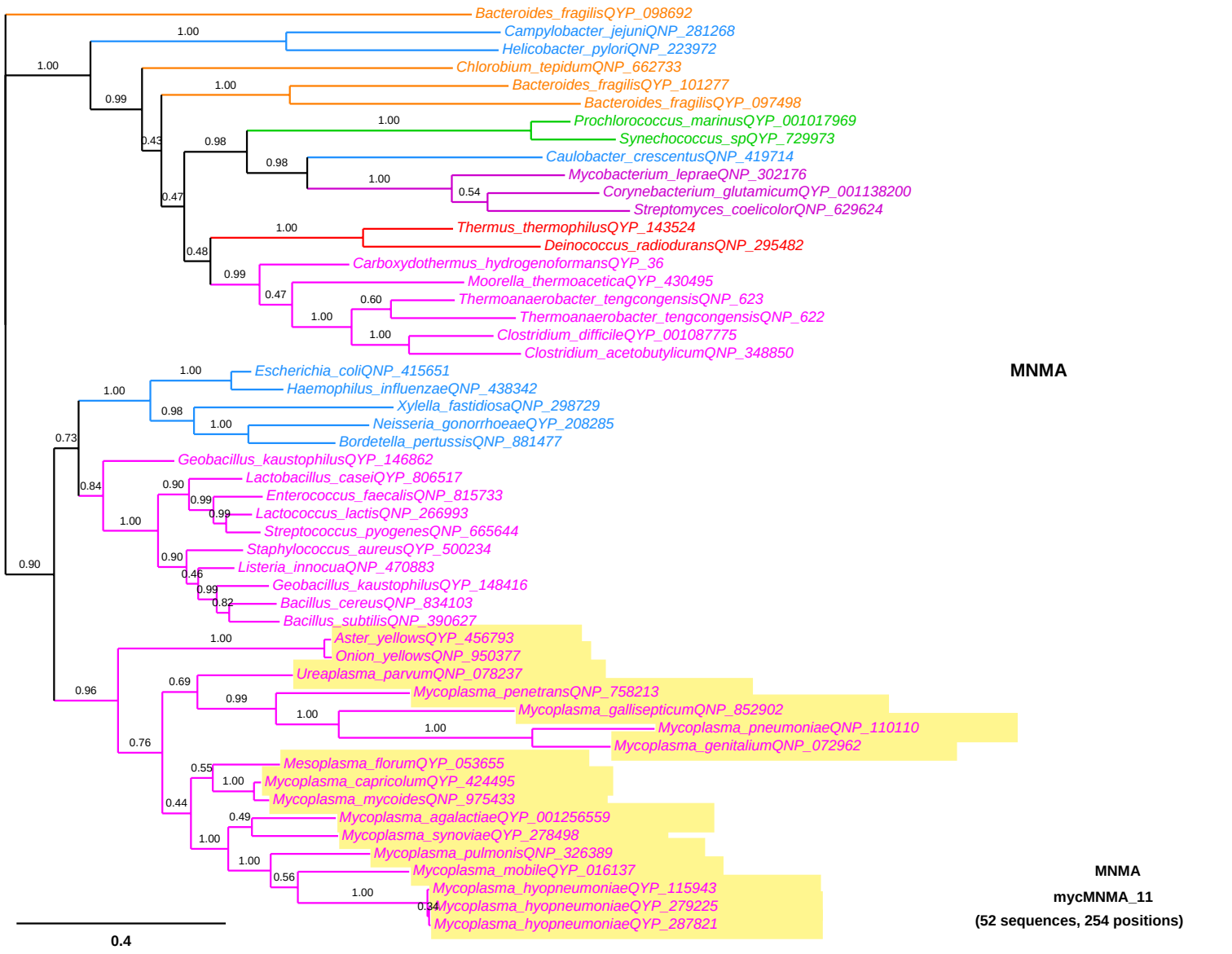
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Deinococcus_radioduransQNP_295482
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Clostridium_acetobutylicumQNP_348850
Escherichia_coliQNP_415651
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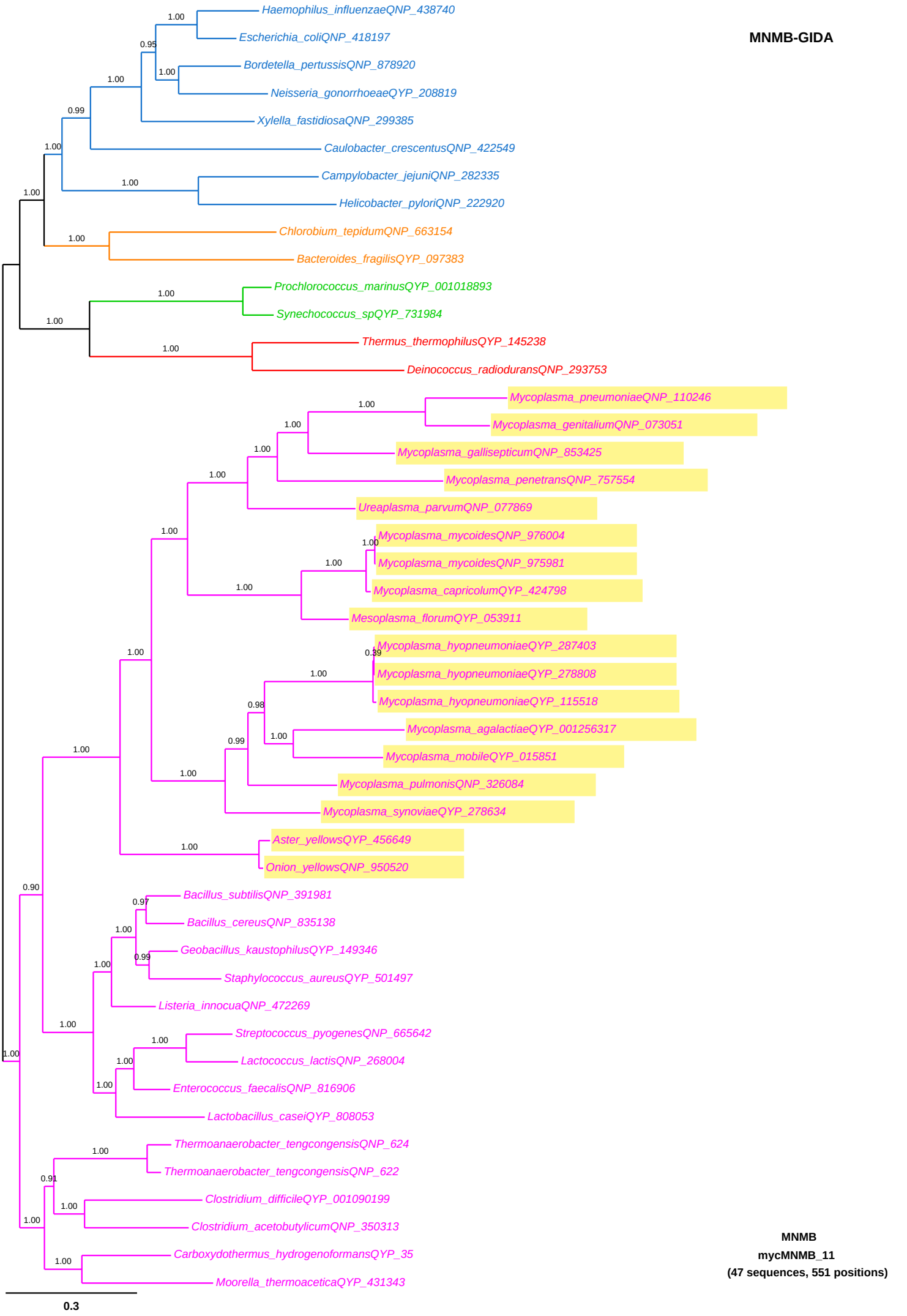
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Mycoplasma_agalactiaeQYP_001256317
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Streptococcus_pyogenesQNP_665642
Lactococcus_lactisQNP_268004
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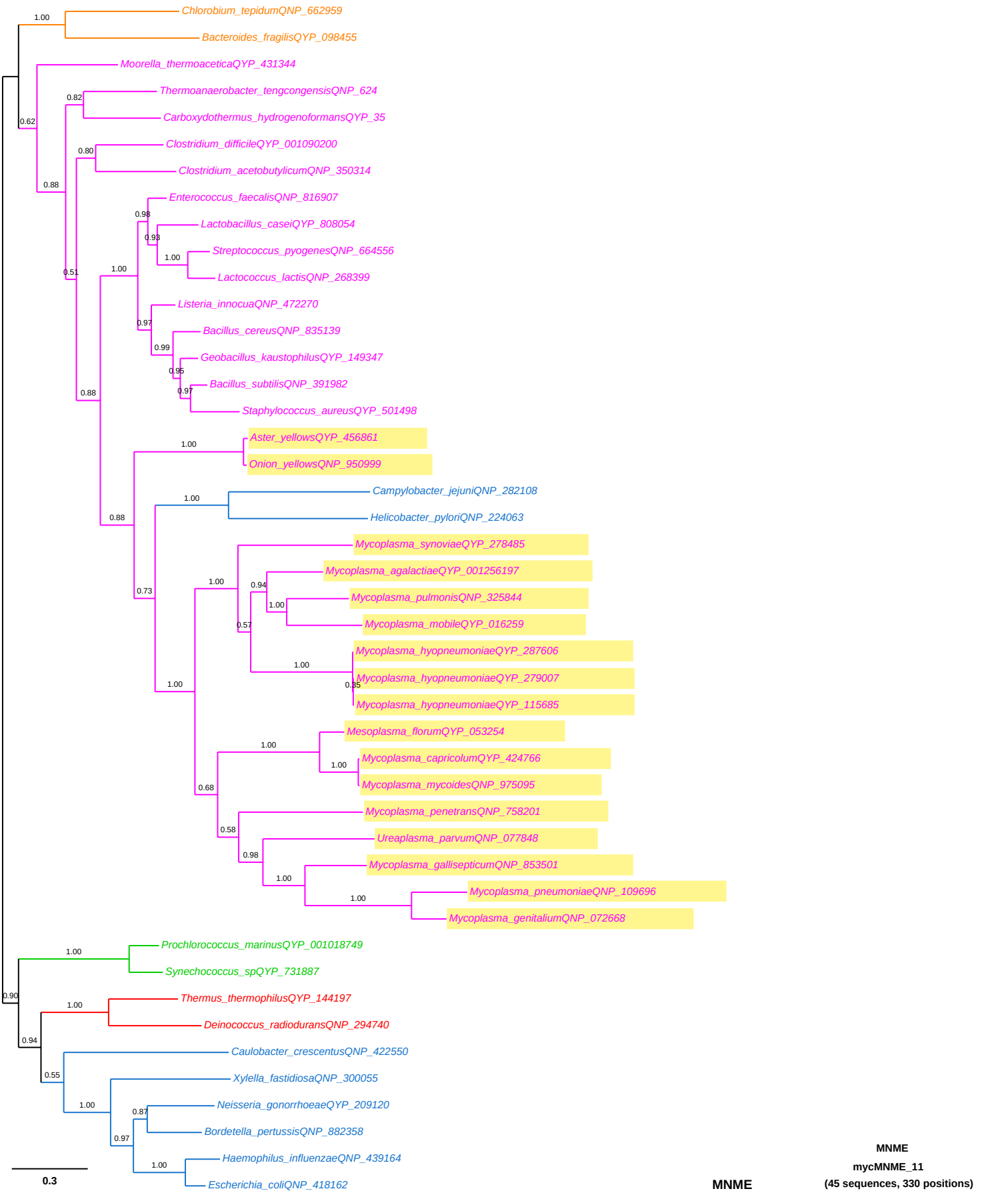
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Mycoplasma_mobileQYP_016259
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Mycoplasma_penetransQNP_758201
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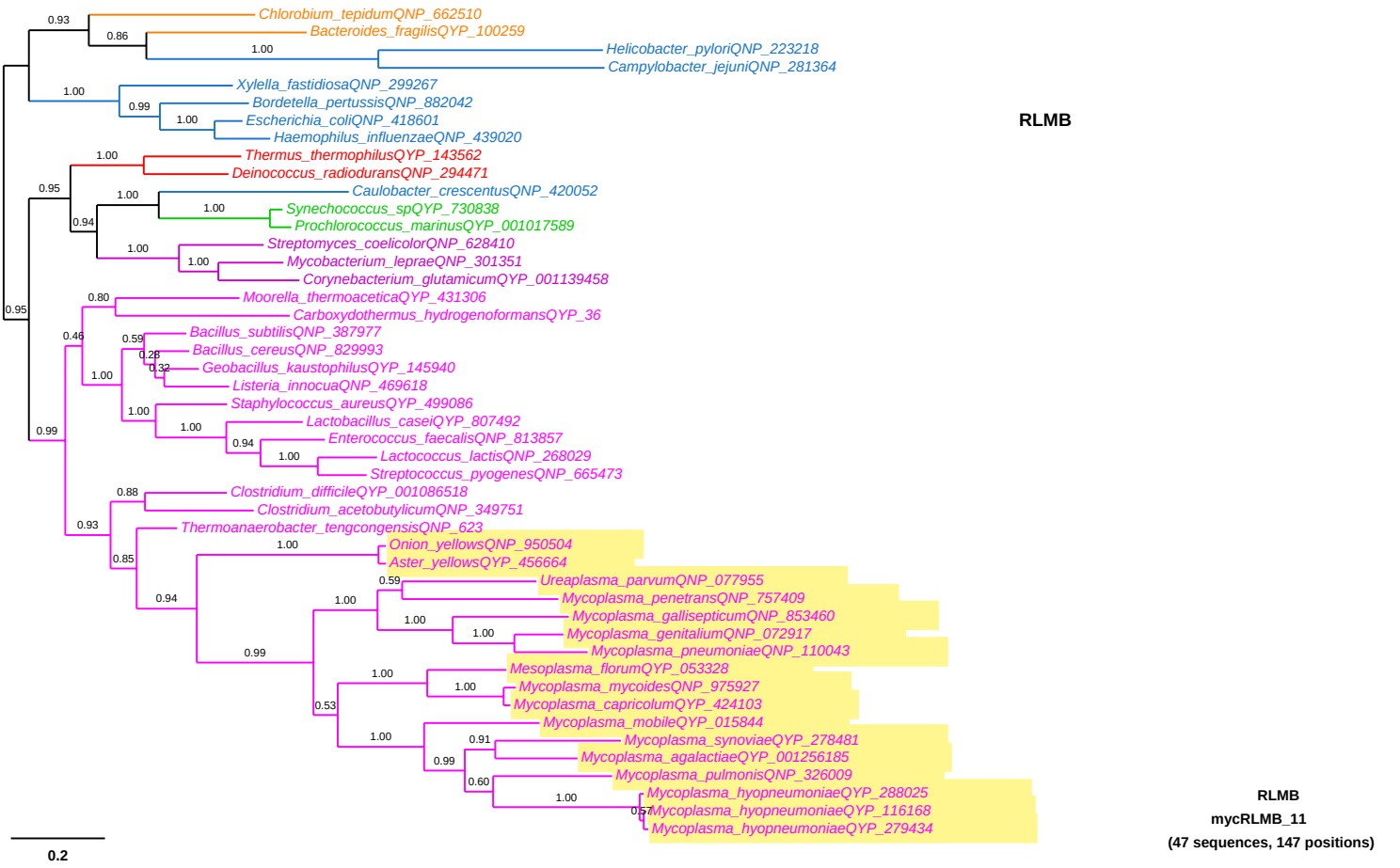
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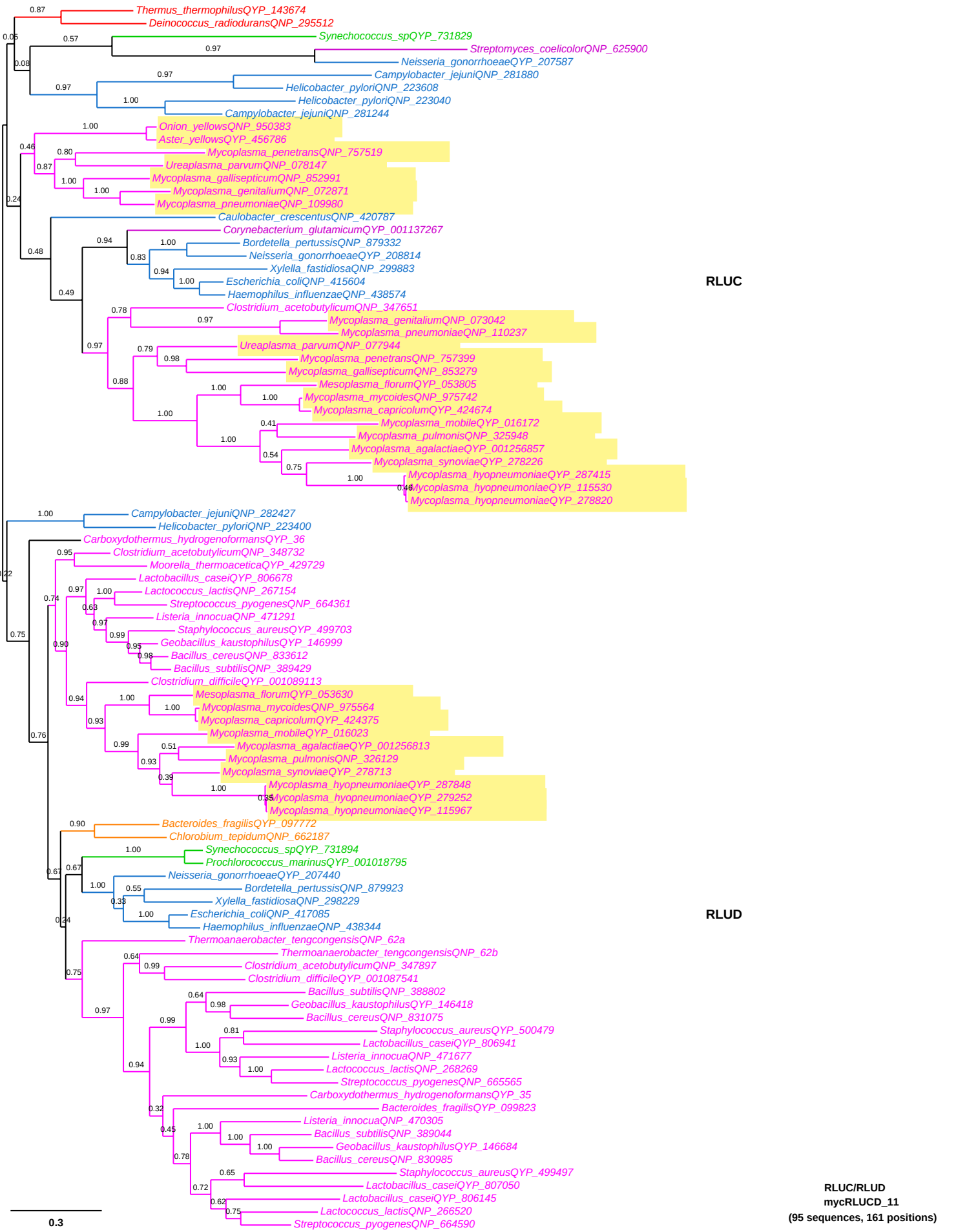
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RLUC
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RLUD
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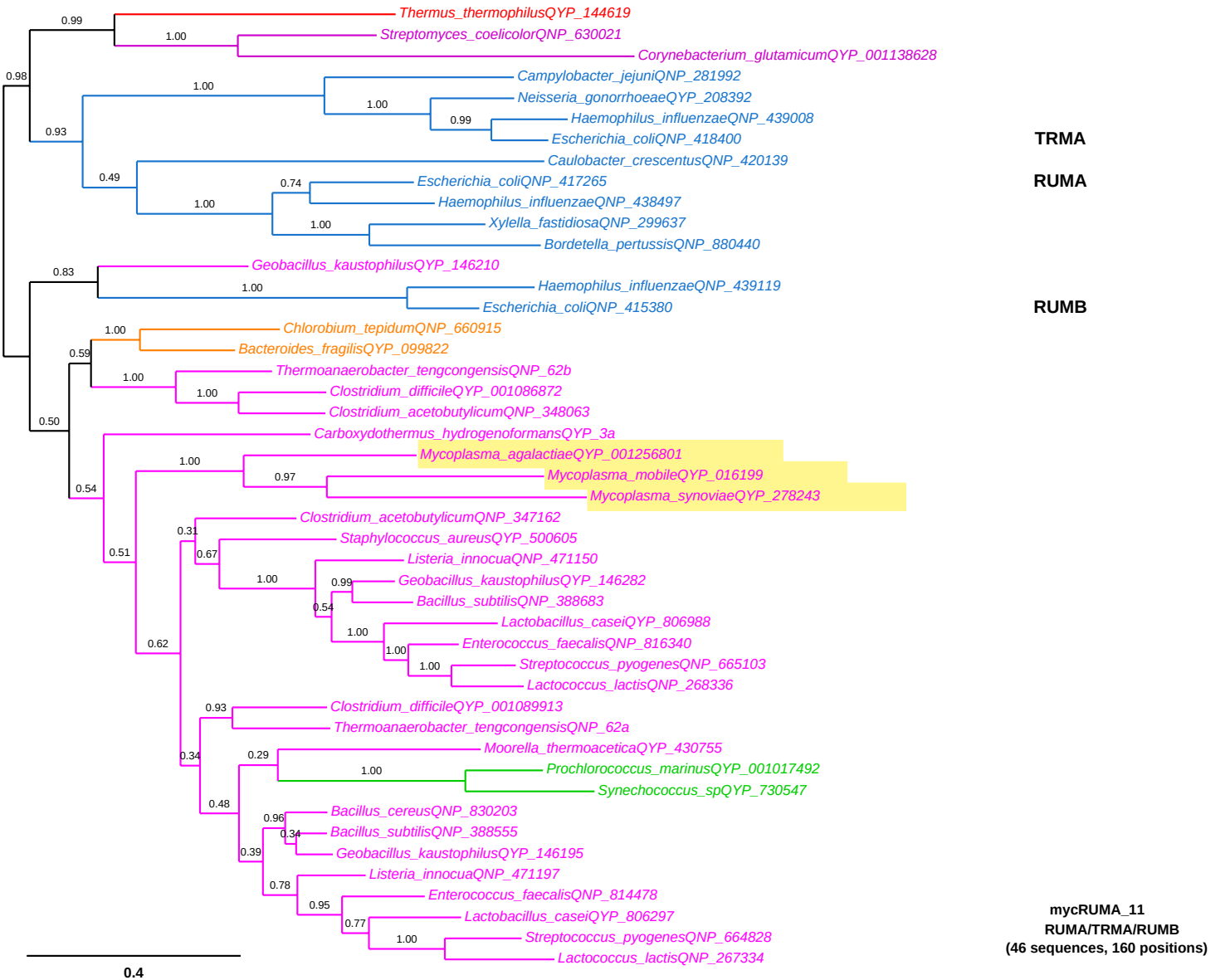
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Bacteroides_fragilisQYP_099822
Thermoanaerobacter_tengcongensisQNP_62b
Clostridium_difficileQYP_001086872
Clostridium_acetobutylicumQNP_348063
Carboxydothermus_hydrogenoformansQYP_3a
Mycoplasma_agalactiaeQYP_001256801
Mycoplasma_mobileQYP_016199
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Synechococcus_spQYP_730547
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Lactobacillus_caseiQYP_806297
Streptococcus_pyogenesQNP_664828
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RUMB
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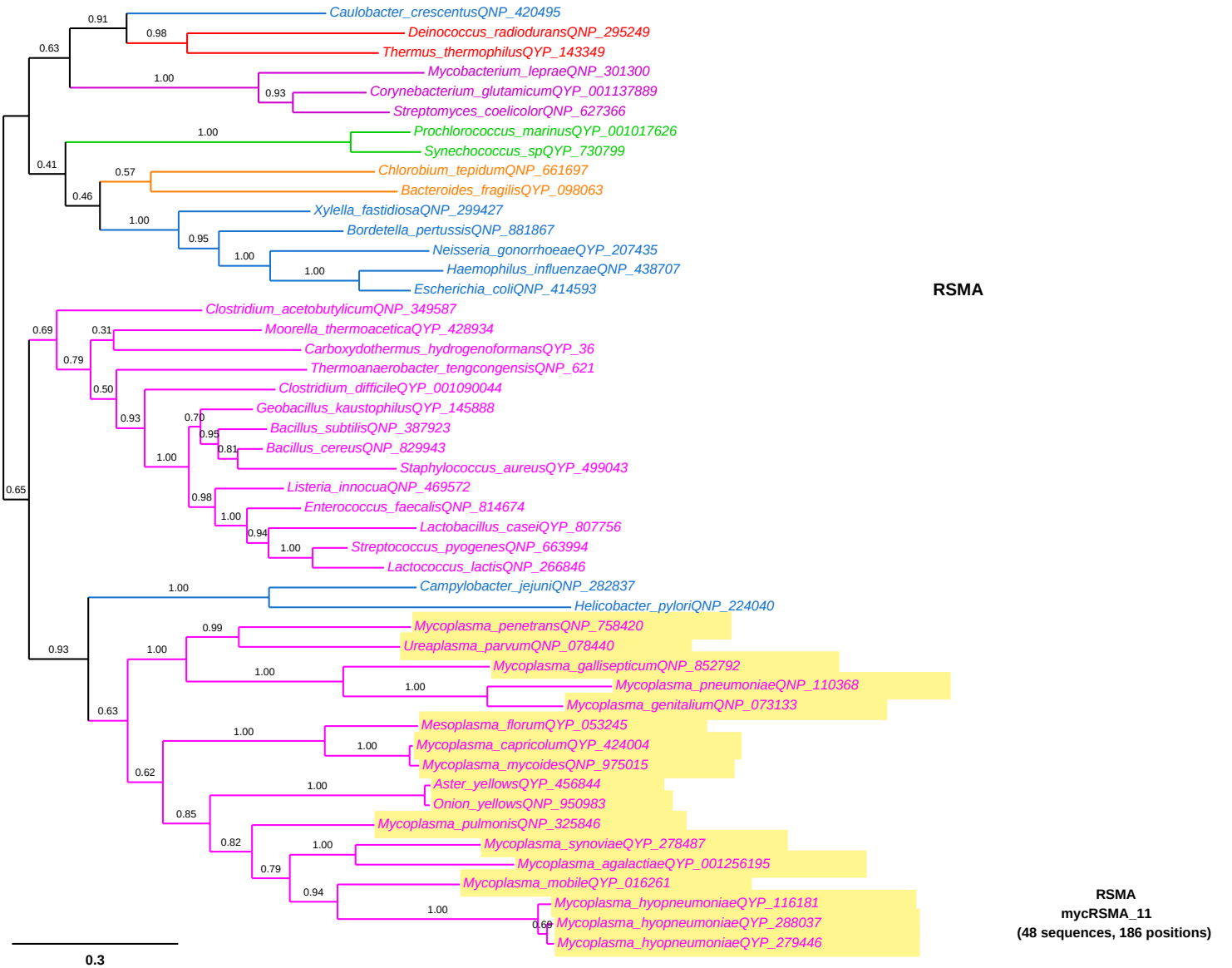
(46 sequences, 160 positions)



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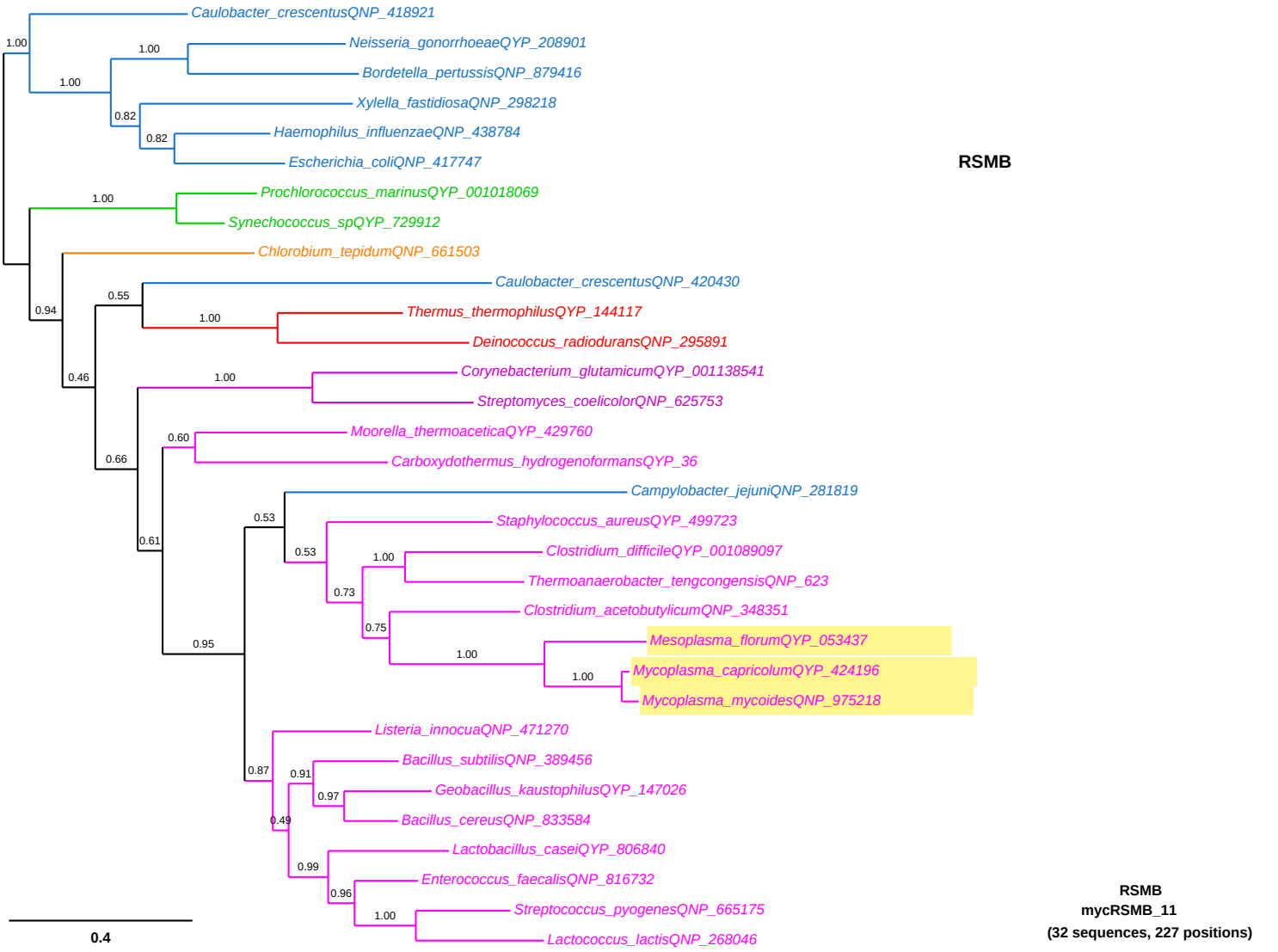
(48 sequences, 186 positions)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Escherichia_coliQNP_417747
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Synechococcus_spQYP_729912
Chlorobium_tepidumQNP_661503
Caulobacter_crescentusQNP_420430
Thermus_thermophilusQYP_144117
Deinococcus_radioduransQNP_295891
Corynebacterium_glutamicumQYP_001138541
Streptomyces_coelicolorQNP_625753
Moorella_thermoaceticaQYP_429760
Carboxydothermus_hydrogenoformansQYP_36
Campylobacter_jejuniQNP_281819
Staphylococcus_aureusQYP_499723
Clostridium_difficileQYP_001089097
Thermoanaerobacter_tengcongensisQNP_623
Clostridium_acetobutylicumQNP_348351
Mesoplasma_florumQYP_053437
Mycoplasma_capricolumQYP_424196
Mycoplasma_mycoidesQNP_975218
Listeria_innocuaQNP_471270
Bacillus_subtilisQNP_389456
Geobacillus_kaustophilusQYP_147026
Bacillus_cereusQNP_833584
Lactobacillus_caseiQYP_806840
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Streptococcus_pyogenesQNP_665175
Lactococcus_lactisQNP_268046
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0.60
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0.53
0.53
1.00
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0.75
1.00
1.00
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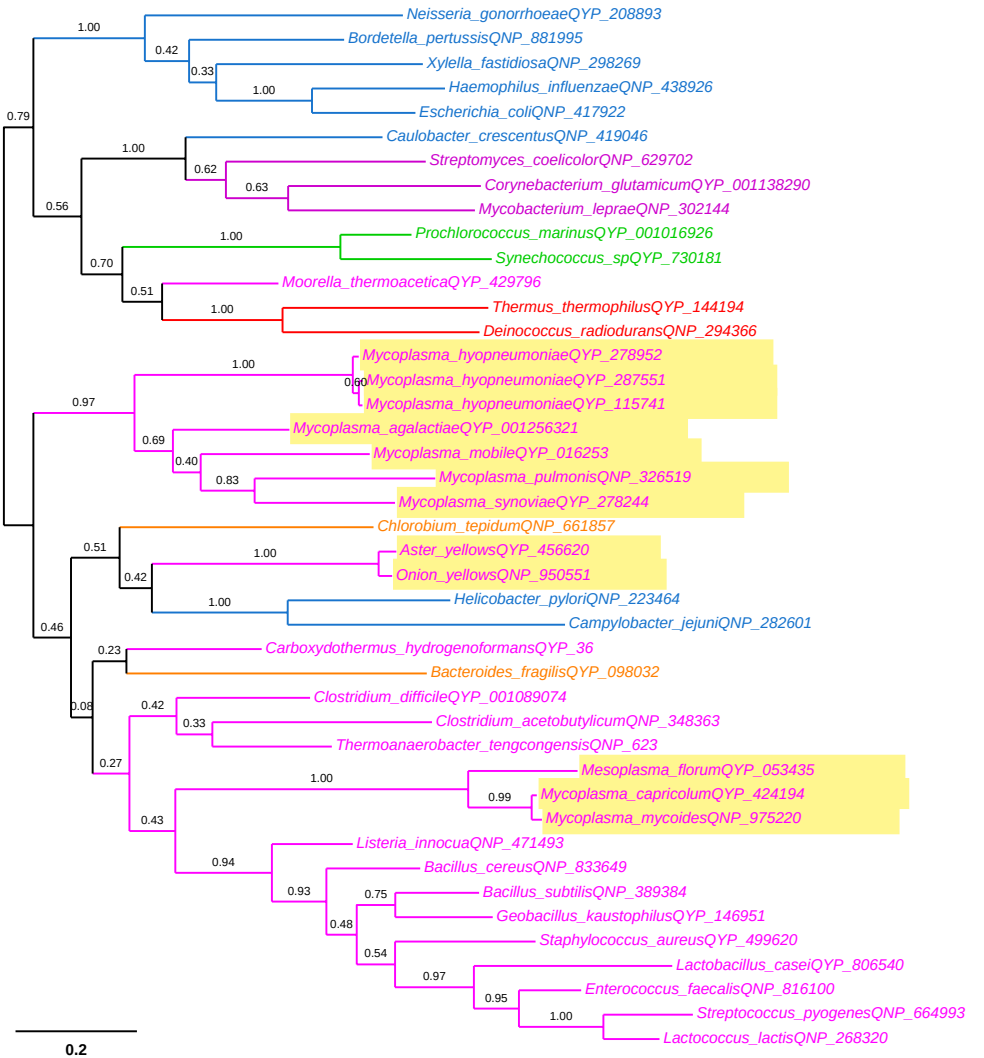
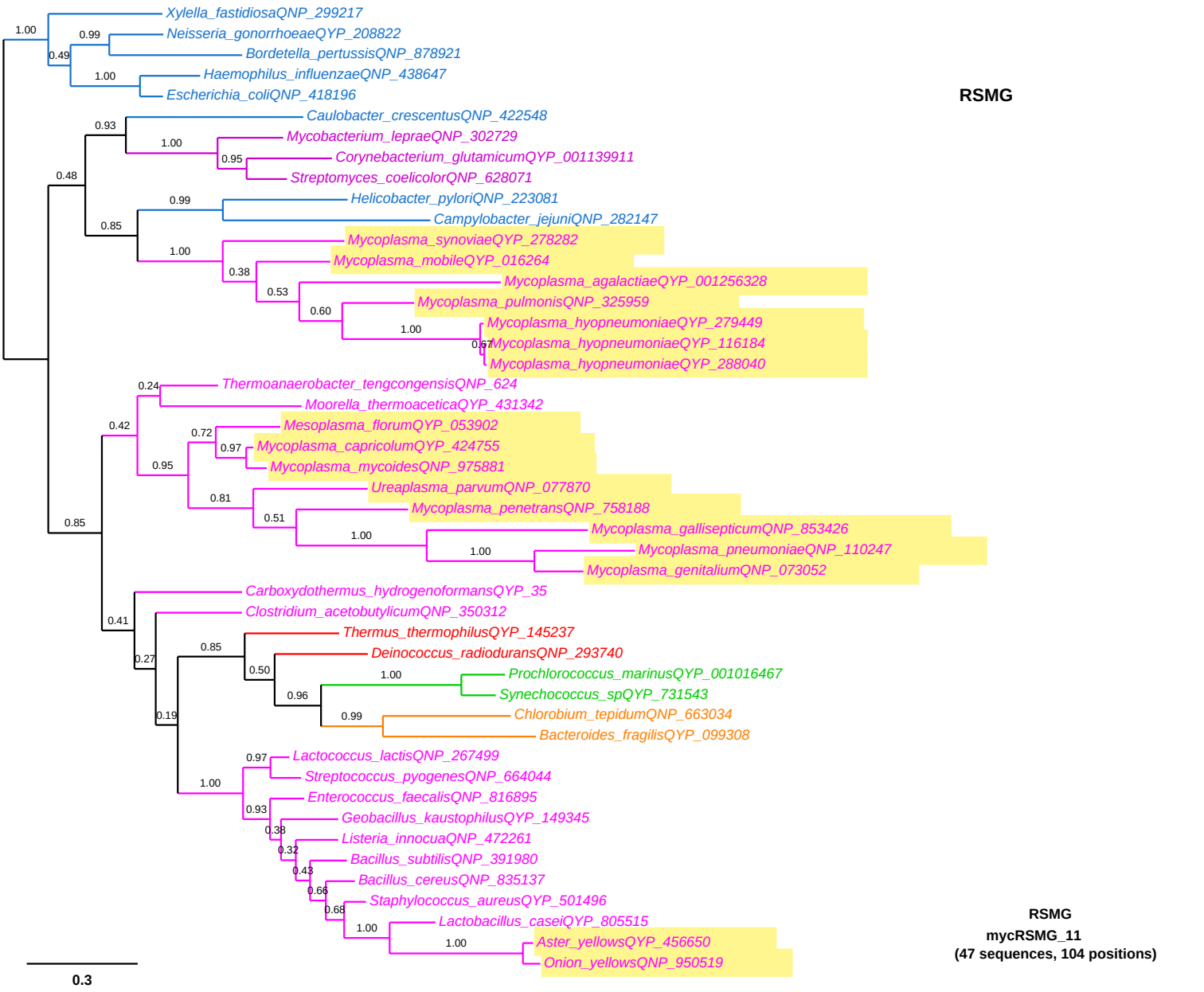
RSMB
mycRSMB_11
(32 sequences, 227 positions)



RSMD

RSMD
mycRSMD_11
(43 sequences, 106 positions)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Escherichia_coliQNP_418196
Caulobacter_crescentusQNP_422548
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Corynebacterium_glutamicumQYP_001139911
Streptomyces_coelicolorQNP_628071
Helicobacter_pyloriQNP_223081
Campylobacter_jejuniQNP_282147
Mycoplasma_synoviaeQYP_278282
Mycoplasma_mobileQYP_016264
Mycoplasma_agalactiaeQYP_001256328
Mycoplasma_pulmonisQNP_325959
Mycoplasma_hyopneumoniaeQYP_279449
Mycoplasma_hyopneumoniaeQYP_116184
Mycoplasma_hyopneumoniaeQYP_288040
Thermoanaerobacter_tengcongensisQNP_624
Moorella_thermoaceticaQYP_431342
Mesoplasma_florumQYP_053902
Mycoplasma_capricolumQYP_424755
Mycoplasma_mycoidesQNP_975881
Ureaplasma_parvumQNP_077870
Mycoplasma_penetransQNP_758188
Mycoplasma_gallisepticumQNP_853426
Mycoplasma_pneumoniaeQNP_110247
Mycoplasma_genitaliumQNP_073052
Carboxydothermus_hydrogenoformansQYP_35
Clostridium_acetobutylicumQNP_350312
Thermus_thermophilusQYP_145237
Deinococcus_radiodurans QNP_293740
Prochlorococcus_marinusQYP_001016467
Synechococcus_spQYP_731543
Chlorobium_tepidumQNP_663034
Bacteroides_fragilisQYP_099308
Lactococcus_lactisQNP_267499
Streptococcus_pyogenesQNP_664044
Enterococcus_faecalisQNP_816895
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Bacillus_subtilisQNP_391980
Bacillus_cereusQNP_835137
Staphylococcus_aureusQYP_501496
Lactobacillus_caseiQYP_805515
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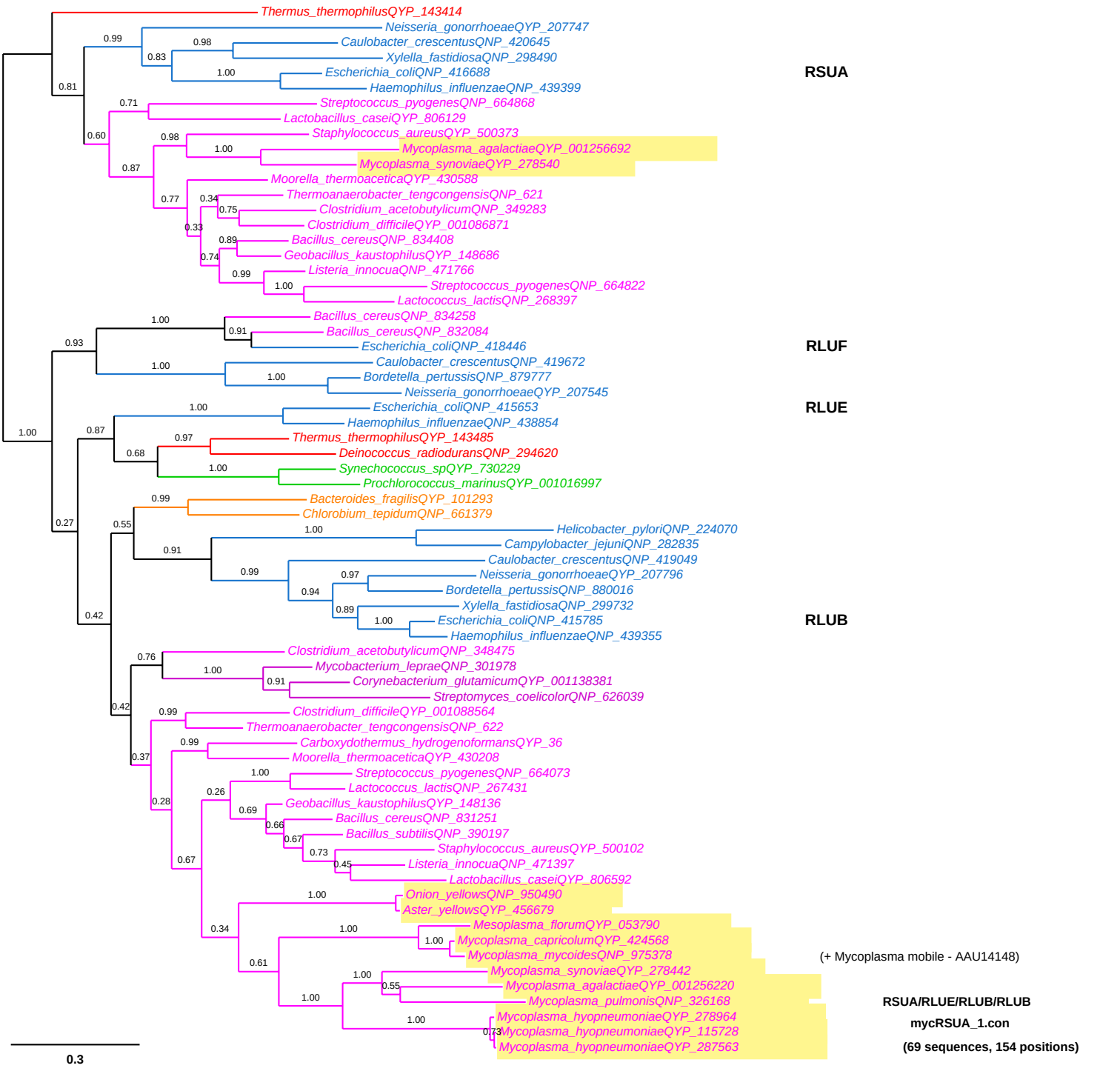
(47 sequences, 104 positions)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Escherichia_coliQNP_416688
Haemophilus_influenzaeQNP_439399
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Streptococcus_pyogenesQNP_664868
Lactobacillus_caseiQYP_806129
Staphylococcus_aureusQYP_500373
Mycoplasma_agalactiaeQYP_001256692
Mycoplasma_synoviaeQYP_278540
Moorella_thermoaceticaQYP_430588
Thermoanaerobacter_tengcongensisQNP_621
Clostridium_acetobutylicumQNP_349283
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Bacillus_cereusQNP_834408
Geobacillus_kaustophilusQYP_148686
Listeria_innocuaQNP_471766
Streptococcus_pyogenesQNP_664822
Lactococcus_lactisQNP_268397
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Escherichia_coliQNP_418446
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Bordetella_pertussisQNP_879777
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Escherichia_coliQNP_415653
Haemophilus_influenzaeQNP_438854
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Synechococcus_spQYP_730229
Prochlorococcus_marinusQYP_001016997
Bacteroides_fragilisQYP_101293
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Campylobacter_jejuniQNP_282835
Caulobacter_crescentusQNP_419049
Neisseria_gonorrhoeaeQYP_207796
Bordetella_pertussisQNP_880016
Xylella_fastidiosaQNP_299732
Escherichia_coliQNP_415785
Haemophilus_influenzaeQNP_439355
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Corynebacterium_glutamicumQYP_001138381
Streptomyces_coelicolorQNP_626039
Clostridium_difficileQYP_001088564
Thermoanaerobacter_tengcongensisQNP_622
Carboxydothermus_hydrogenoformansQYP_36
Moorella_thermoaceticaQYP_430208
Streptococcus_pyogenesQNP_664073
Lactococcus_lactisQNP_267431
Geobacillus_kaustophilusQYP_148136
Bacillus_cereusQNP_831251
Bacillus_subtilisQNP_390197
Staphylococcus_aureusQYP_500102
Listeria_innocuaQNP_471397
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Onion_yellowsQNP_950490
Aster_yellowsQYP_456679
Mesoplasma_florumQYP_053790
Mycoplasma_capricolumQYP_424568
Mycoplasma_mycoidesQNP_975378
(+ Mycoplasma mobile - AAU14148)
Mycoplasma_synoviaeQYP_278442
Mycoplasma_agalactiaeQYP_001256220
Mycoplasma_pulmonisQNP_326168
Mycoplasma_hyopneumoniaeQYP_278964
Mycoplasma_hyopneumoniaeQYP_115728
Mycoplasma_hyopneumoniaeQYP_287563
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mycRSUA_1.con
(69 sequences, 154 positions)
0.3

TADA
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Bordetella_pertussisQNP_880417
Xylella_fastidiosaQNP_298302
Escherichia_coliQNP_417054
Haemophilus_influenzaeQNP_439066
Neisseria_gonorrhoeaeQYP_208048
Chlorobium_tepidumQNP_661488
Bordetella_pertussisQNP_881465
Lactobacillus_caseiQYP_806369
Bacillus_subtilisQNP_389200
Streptomyces_coelicolorQNP_629126
Bacteroides_fragilisQYP_098917
Moorella_thermoaceticaQYP_428908
Carboxydothermus_hydrogenoformansQYP_36
Thermoanaerobacter_tengcongensisQNP_621
Clostridium_acetobutylicumQNP_346768
Clostridium_difficileQYP_001086478
Aster_yellowsQYP_456802
Onion_yellowsQNP_950355
Bacillus_cereusQNP_832780
Mesoplasma_florumQYP_053919
Mycoplasma_capricolumQYP_424006
Mycoplasma_mycoidesQNP_975060
Chlorobium_tepidumQNP_661285
Bacteroides_fragilisQYP_097989
Enterococcus_faecalisQNP_815867
Lactobacillus_caseiQYP_807450
Streptococcus_pyogenesQNP_663957
Lactococcus_lactisQNP_266877
Listeria_innocuaQNP_472195
Staphylococcus_aureusQYP_499113
Geobacillus_kaustophilusQYP_145869
Bacillus_cereusQNP_829925
Bacillus_subtilisQNP_387899
Deinococcus_radioduransQNP_294931
Prochlorococcus_marinusQYP_001017655
Synechococcus_spQYP_730770
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Streptomyces_coelicolorQNP_628220
Mycobacterium_lepraeQNP_302602
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0.61
0.30
0.34
0.76
1.00
0.59
0.96
1.00
1.00
0.50
1.00
0.44
0.97
0.49
1.00
0.93
0.87
0.94
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TADA
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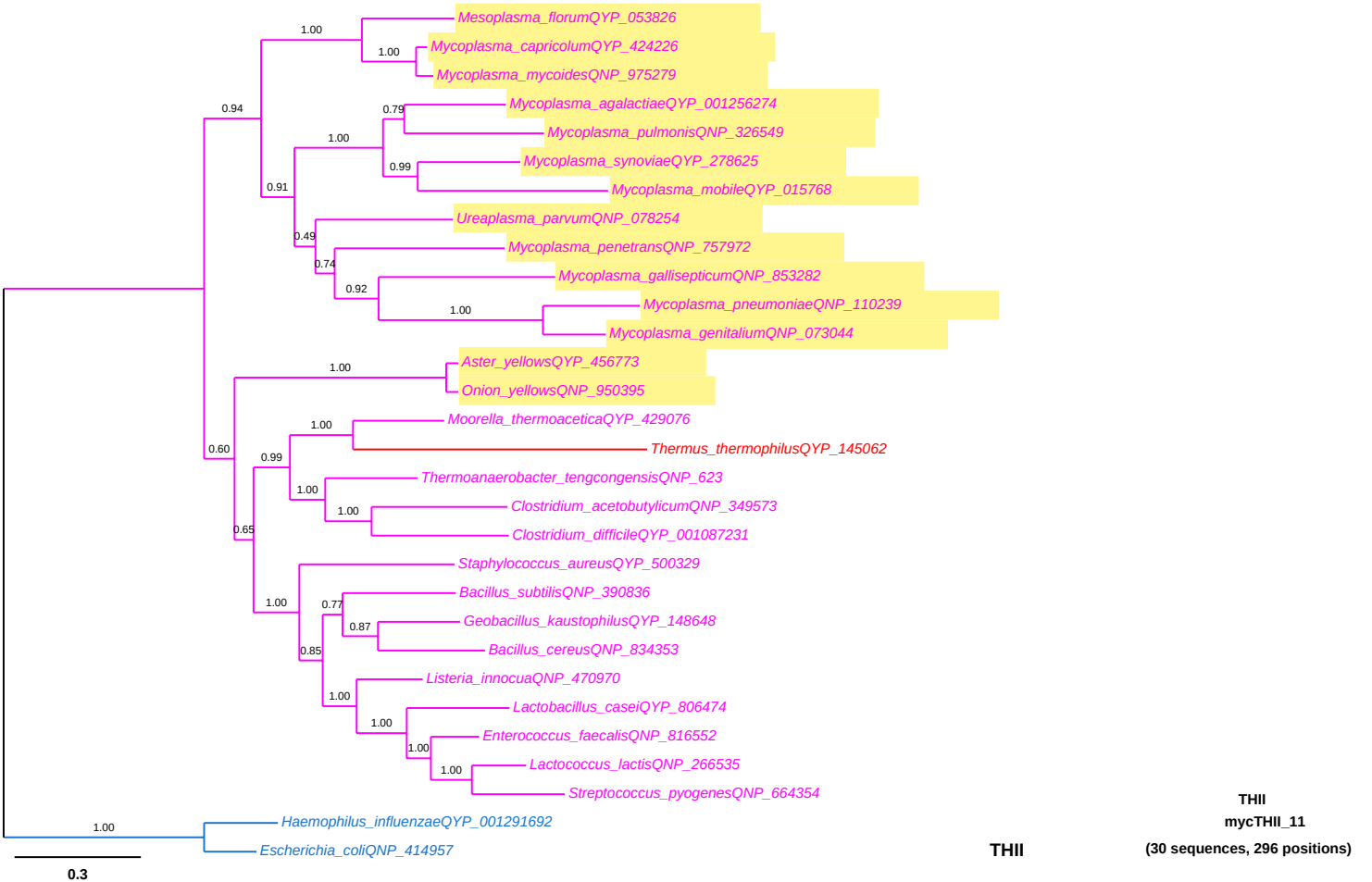
(40 sequences, 104 positions)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Mycoplasma_gallisepticumQNP_853282
Mycoplasma_pneumoniaeQNP_110239
Mycoplasma_genitaliumQNP_073044
Aster_yellowsQYP_456773
Onion_yellowsQNP_950395
Moorella_thermoaceticaQYP_429076
Thermus_thermophilusQYP_145062
Thermoanaerobacter_tengcongensisQNP_623
Clostridium_acetobutylicumQNP_349573
Clostridium_difficileQYP_001087231
Staphylococcus_aureusQYP_500329
Bacillus_subtilisQNP_390836
Geobacillus_kaustophilusQYP_148648
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Lactobacillus_caseiQYP_806474
Enterococcus_faecalisQNP_816552
Lactococcus_lactisQNP_266535
Streptococcus_pyogenesQNP_664354
Haemophilus_influenzaeQYP_001291692
Escherichia_coliQNP_414957
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1.00
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0.91
0.49
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1.00
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0.99
1.00
1.00
0.65
1.00
0.77
0.87
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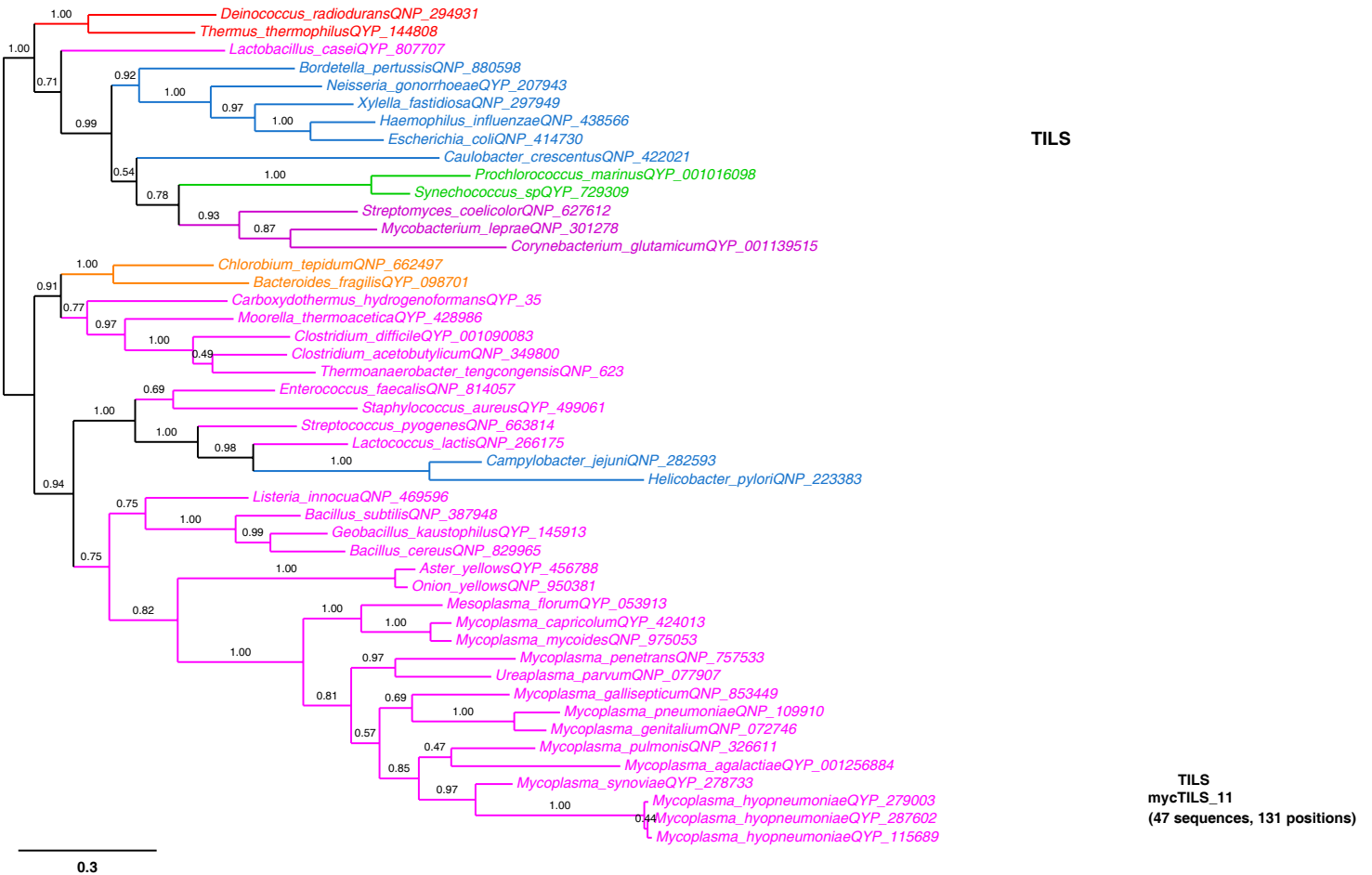
1.00
1.00
0.3
THII
THII
mycTHII_11
(30 sequences, 296 positions)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Xylella_fastidiosaQNP_297949
Haemophilus_influenzaeQNP_438566
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Prochlorococcus_marinusQYP_001016098
Synechococcus_spQYP_729309
Streptomyces_coelicolorQNP_627612
Mycobacterium_lepraeQNP_301278
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Chlorobium_tepidumQNP_662497
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Carboxydothermus_hydrogenoformansQYP_35
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Campylobacter_jejuniQNP_282593
Helicobacter_pyloriQNP_223383
Listeria_innocuaQNP_469596
Bacillus_subtilisQNP_387948
Geobacillus_kaustophilusQYP_145913
Bacillus_cereusQNP_829965
Aster_yellowsQYP_456788
Onion_yellowsQNP_950381
Mesoplasma_florumQYP_053913
Mycoplasma_capricolumQYP_424013
Mycoplasma_mycoidesQNP_975053
Mycoplasma_penetransQNP_757533
Ureaplasma_parvumQNP_077907
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Mycoplasma_genitaliumQNP_072746
Mycoplasma_pulmonisQNP_326611
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1.00
0.49
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1.00
1.00
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1.00
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1.00
0.82
1.00
1.00
1.00
0.97
0.81
0.69
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1.00
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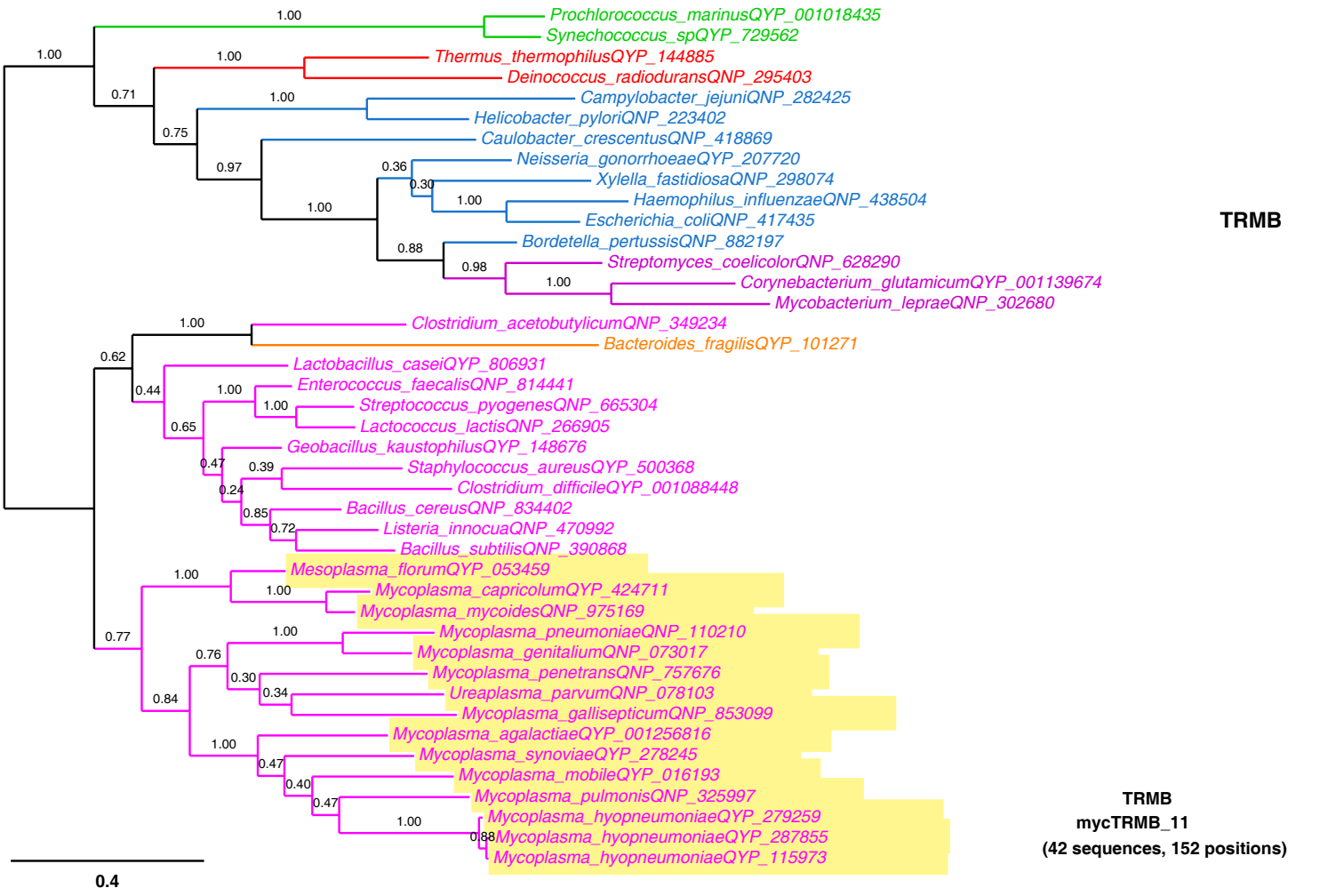
0.3
TILS
mycTILS_11
(47 sequences, 131 positions)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Neisseria_gonorrhoeaeQYP_207720
Xylella_fastidiosaQNP_298074
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Escherichia_coliQNP_417435
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Corynebacterium_glutamicumQYP_001139674
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Mycoplasma_pneumoniaeQNP_110210
Mycoplasma_genitaliumQNP_073017
Mycoplasma_penetransQNP_757676
Ureaplasma_parvumQNP_078103
Mycoplasma_gallisepticumQNP_853099
Mycoplasma_agalactiaeQYP_001256816
Mycoplasma_synoviaeQYP_278245
Mycoplasma_mobileQYP_016193
Mycoplasma_pulmonisQNP_325997
Mycoplasma_hyopneumoniaeQYP_279259
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TRMB
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TRMB
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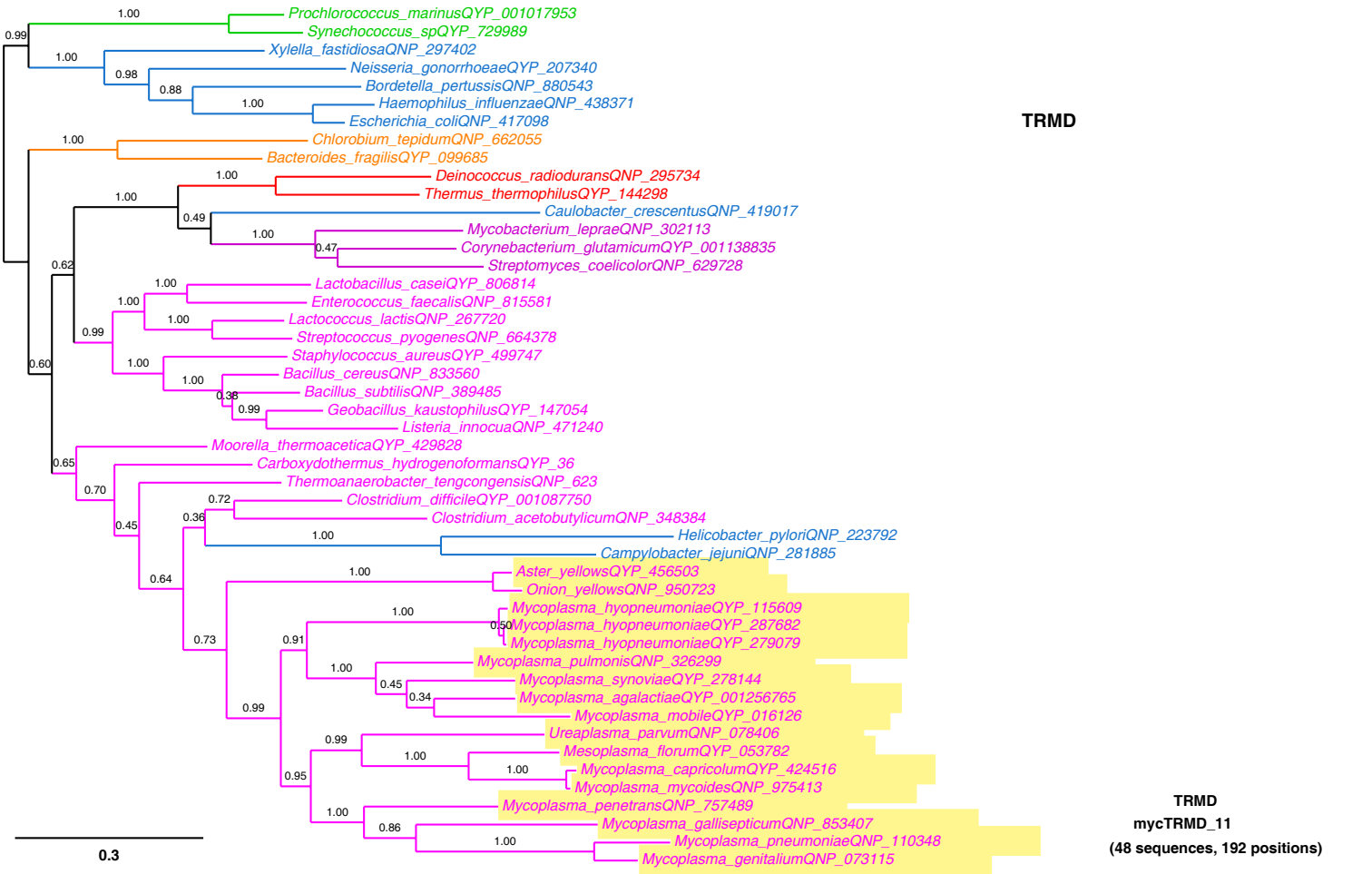
(42 sequences, 152 positions)


TRMD
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Bacteroides_fragilisQYP_099685
Deinococcus_radioduransQNP_295734
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Enterococcus_faecalisQNP_815581
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Moorella_thermoaceticaQYP_429828
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Helicobacter_pyloriQNP_223792
Campylobacter_jejuniQNP_281885
Aster_yellowsQYP_456503
Onion_yellowsQNP_950723
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Mycoplasma_hyopneumoniaeQYP_287682
Mycoplasma_hyopneumoniaeQYP_279079
Mycoplasma_pulmonisQNP_326299
Mycoplasma_synoviaeQYP_278144
Mycoplasma_agalactiaeQYP_001256765
Mycoplasma_mobileQYP_016126
Ureaplasma_parvumQNP_078406
Mesoplasma_florumQYP_053782
Mycoplasma_capricolumQYP_424516
Mycoplasma_mycoidesQNP_975413
Mycoplasma_penetransQNP_757489
Mycoplasma_gallisepticumQNP_853407
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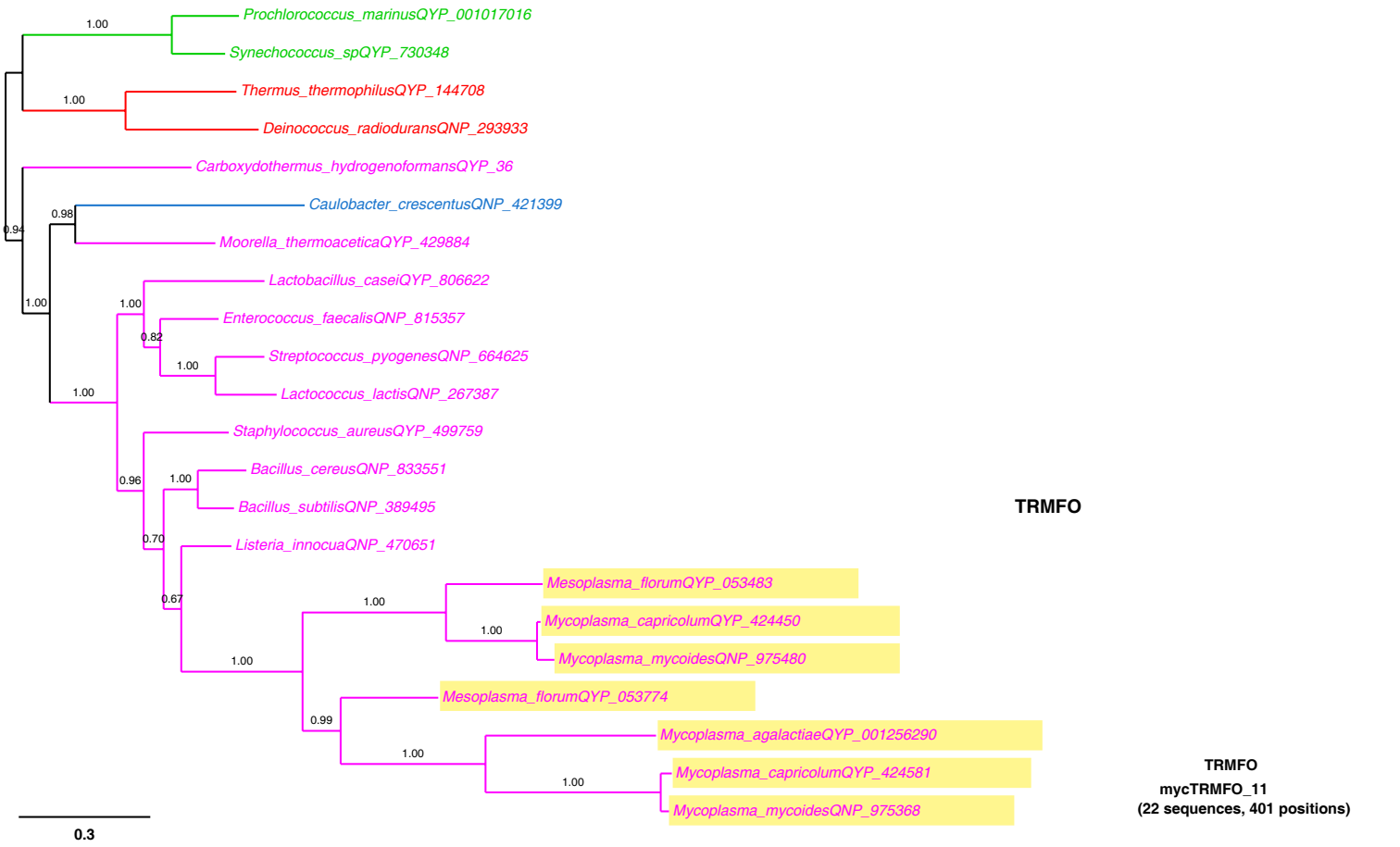
mycTRMD_11
(48 sequences, 192 positions)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Carboxydothermus_hydrogenoformansQYP_36
Caulobacter_crescentusQNP_421399
Moorella_thermoaceticaQYP_429884
Lactobacillus_caseiQYP_806622
Enterococcus_faecalisQNP_815357
Streptococcus_pyogenesQNP_664625
Lactococcus_lactisQNP_267387
Staphylococcus_aureusQYP_499759
Bacillus_cereusQNP_833551
Bacillus_subtilisQNP_389495
Listeria_innocuaQNP_470651
Mesoplasma_florumQYP_053483
Mycoplasma_capricolumQYP_424450
Mycoplasma_mycoidesQNP_975480
Mesoplasma_florumQYP_053774
Mycoplasma_agalactiaeQYP_001256290
Mycoplasma_capricolumQYP_424581
Mycoplasma_mycoidesQNP_975368
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1.00
0.98
0.94
1.00
1.00
0.82
1.00
1.00
0.96
1.00
0.70
0.67
1.00
1.00
1.00
0.99
1.00
1.00
0.3
TRMFO
TRMFO
mycTRMFO_11
(22 sequences, 401 positions)

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Bordetella_pertussisQNP_880223
Xylella_fastidiosaQNP_298662
Haemophilus_influenzaeQNP_439786
Escherichia_coliQNP_416821
Caulobacter_crescentusQNP_419097
Thermus_thermophilusQYP_144897
Deinococcus_radioduransQNP_296011
Streptomyces_coelicolorQNP_628889
Corynebacterium_glutamicumQYP_001137558
Mycobacterium_lepraeQNP_302320
Moorella_thermoaceticaQYP_431251
Prochlorococcus_marinusQYP_001018328
Synechococcus_spQYP_729642
Chlorobium_tepidumQNP_661871
Bacteroides_fragilisQYP_098210
Carboxydothermus_hydrogenoformansQYP_36
Clostridium_difficileQYP_001086571
Thermoanaerobacter_tengcongensisQNP_623
Clostridium_acetobutylicumQNP_349699
Clostridium_difficileQYP_001088290
Bacillus_cereusQNP_830309
Staphylococcus_aureusQYP_500948
Listeria_innocuaQNP_472076
Geobacillus_kaustophilusQYP_145991
Bacillus_cereusQNP_830042
Bacillus_subtilisQNP_388029
Lactobacillus_caseiQYP_807649
Streptococcus_pyogenesQNP_665443
Lactococcus_lactisQNP_266642
Aster_yellowsQYP_456689
Onion_yellowsQNP_950481
Mycoplasma_gallisepticumQNP_853358
Mycoplasma_pneumoniaeQNP_109884
Mycoplasma_genitaliumQNP_072845
Mycoplasma_penetransQNP_758356
Ureaplasma_parvumQNP_078374
Helicobacter_pyloriQNP_223736
Campylobacter_jejuniQNP_281988
Mesoplasma_florumQYP_053395
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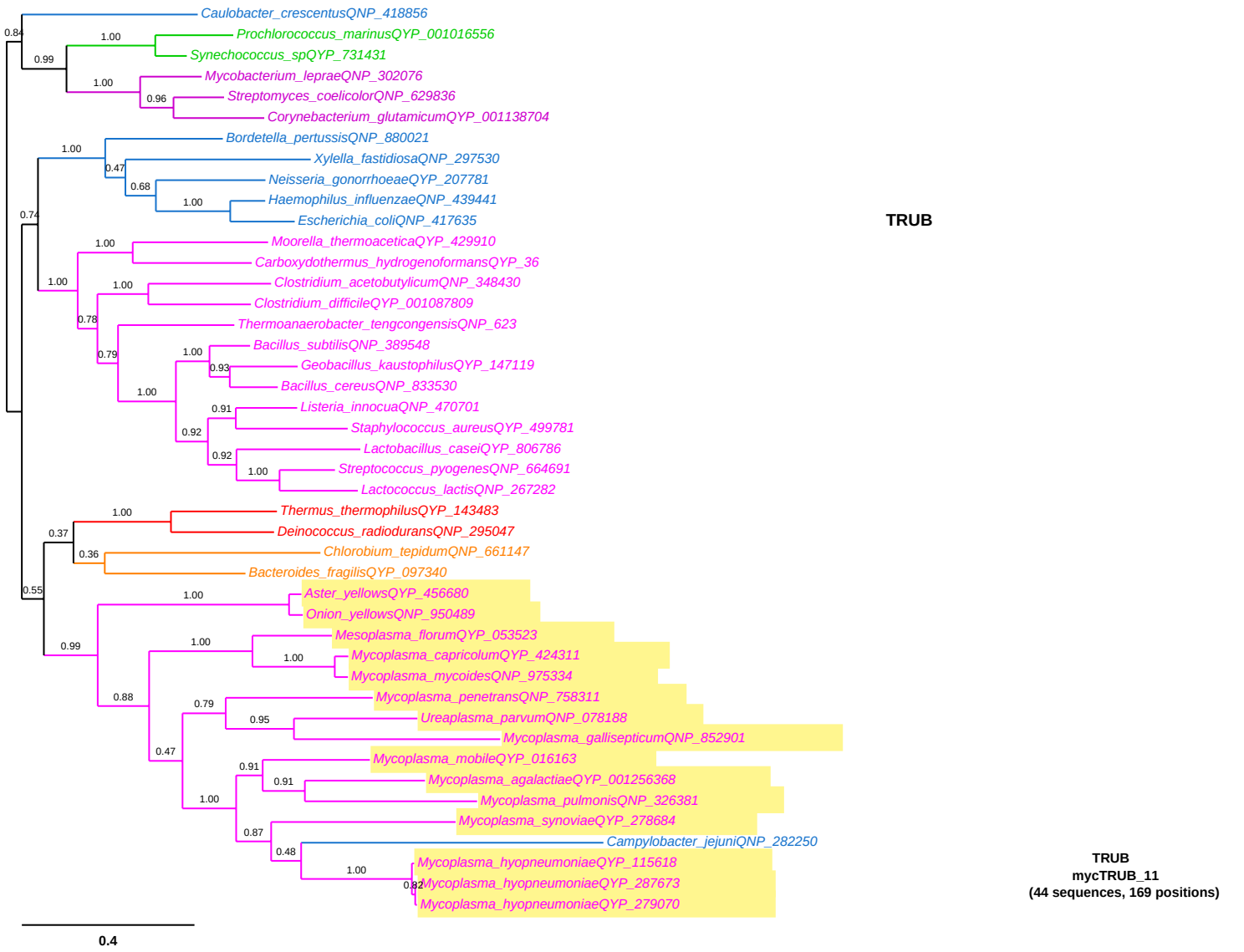
(42 sequences, 194 positions)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Synechococcus_spQYP_731431
Mycobacterium_lepraeQNP_302076
Streptomyces_coelicolorQNP_629836
Corynebacterium_glutamicumQYP_001138704
Bordetella_pertussisQNP_880021
Xylella_fastidiosaQNP_297530
Neisseria_gonorrhoeaeQYP_207781
Haemophilus_influenzaeQNP_439441
Escherichia_coliQNP_417635
Moorella_thermoaceticaQYP_429910
Carboxydothermus_hydrogenoformansQYP_36
Clostridium_acetobutylicumQNP_348430
Clostridium_difficileQYP_001087809
Thermoanaerobacter_tengcongensisQNP_623
Bacillus_subtilisQNP_389548
Geobacillus_kaustophilusQYP_147119
Bacillus_cereusQNP_833530
Listeria_innocuaQNP_470701
Staphylococcus_aureusQYP_499781
Lactobacillus_caseiQYP_806786
Streptococcus_pyogenesQNP_664691
Lactococcus_lactisQNP_267282
Thermus_thermophilusQYP_143483
Deinococcus_radioduransQNP_295047
Chlorobium_tepidumQNP_661147
Bacteroides_fragilisQYP_097340
Aster_yellowsQYP_456680
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Mesoplasma_florumQYP_053523
Mycoplasma_capricolumQYP_424311
Mycoplasma_mycoidesQNP_975334
Mycoplasma_penetransQNP_758311
Ureaplasma_parvumQNP_078188
Mycoplasma_gallisepticumQNP_852901
Mycoplasma_mobileQYP_016163
Mycoplasma_agalactiaeQYP_001256368
Mycoplasma_pulmonisQNP_326381
Mycoplasma_synoviaeQYP_278684
Campylobacter_jejuniQNP_282250
Mycoplasma_hyopneumoniaeQYP_115618
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Mycoplasma_hyopneumoniaeQYP_279070
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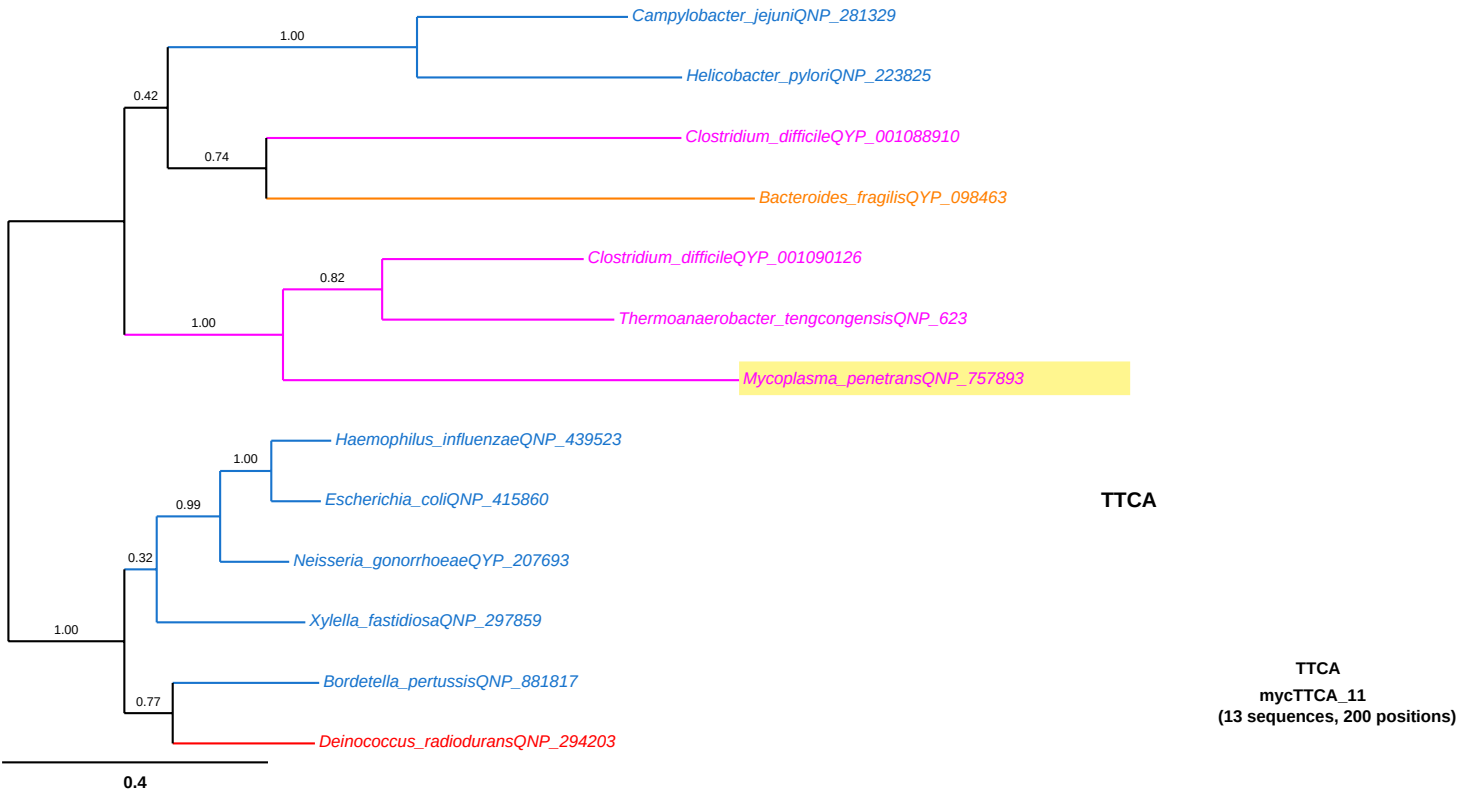
mycTRUB_11
(44 sequences, 169 positions)


Campylobacter_jejuniQNP_281329
Helicobacter_pyloriQNP_223825
Clostridium_difficileQYP_001088910
Bacteroides_fragilisQYP_098463
Clostridium_difficileQYP_001090126
Thermoanaerobacter_tengcongensisQNP_623
Mycoplasma_penetransQNP_757893
Haemophilus_influenzaeQNP_439523
Escherichia_coliQNP_415860
Neisseria_gonorrhoeaeQYP_207693
Xylella_fastidiosaQNP_297859
Bordetella_pertussisQNP_881817
Deinococcus_radioduransQNP_294203
1.00
0.42
0.74
0.82
1.00
1.00
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1.00
0.77
0.4
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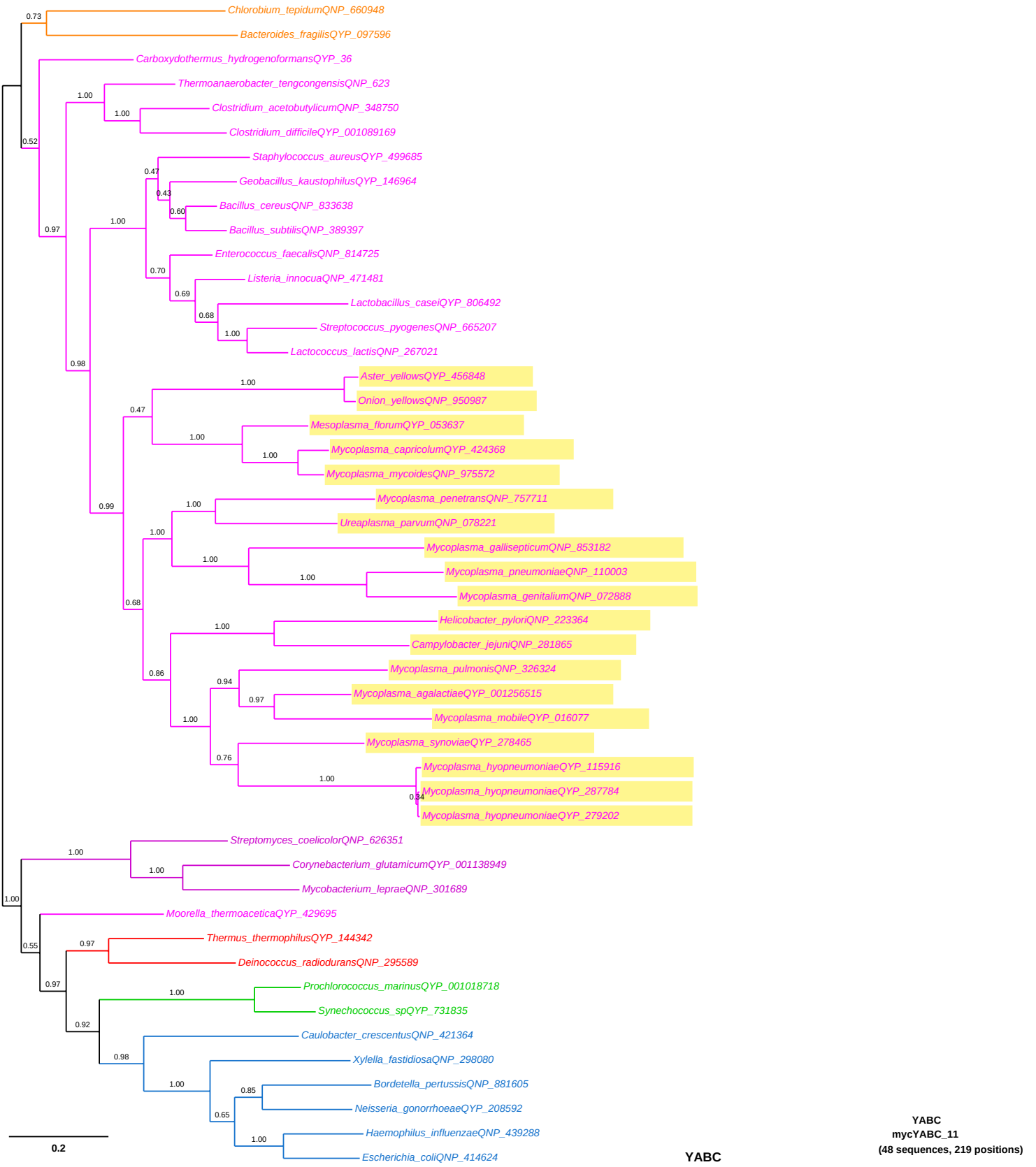
TTCA
mycTTCA_11
(13 sequences, 200 positions)


Chlorobium_tepidumQNP_660948
Bacteroides_fragilisQYP_097596
Carboxydothermus_hydrogenoformansQYP_36
Thermoanaerobacter_tengcongensisQNP_623
Clostridium_acetobutylicumQNP_348750
Clostridium_difficileQYP_001089169
Staphylococcus_aureusQYP_499685
Geobacillus_kaustophilusQYP_146964
Bacillus_cereusQNP_833638
Bacillus_subtilisQNP_389397
Enterococcus_faecalisQNP_814725
Listeria_innocuaQNP_471481
Lactobacillus_caseiQYP_806492
Streptococcus_pyogenesQNP_665207
Lactococcus_lactisQNP_267021
Aster_yellowsQYP_456848
Onion_yellowsQNP_950987
Mesoplasma_florumQYP_053637
Mycoplasma_capricolumQYP_424368
Mycoplasma_mycoidesQNP_975572
Mycoplasma_penetransQNP_757711
Ureaplasma_parvumQNP_078221
Mycoplasma_gallisepticumQNP_853182
Mycoplasma_pneumoniaeQNP_110003
Mycoplasma_genitaliumQNP_072888
Helicobacter_pyloriQNP_223364
Campylobacter_jejuniQNP_281865
Mycoplasma_pulmonisQNP_326324
Mycoplasma_agalactiaeQYP_001256515
Mycoplasma_mobileQYP_016077
Mycoplasma_synoviaeQYP_278465
Mycoplasma_hyopneumoniaeQYP_115916
Mycoplasma_hyopneumoniaeQYP_287784
Mycoplasma_hyopneumoniaeQYP_279202
Streptomyces_coelicolorQNP_626351
Corynebacterium_glutamicumQYP_001138949
Mycobacterium_lepraeQNP_301689
Moorella_thermoaceticaQYP_429695
Thermus_thermophilusQYP_144342
Deinococcus_radioduransQNP_295589
Prochlorococcus_marinusQYP_001018718
Synechococcus_spQYP_731835
Caulobacter_crescentusQNP_421364
Xylella_fastidiosaQNP_298080
Bordetella_pertussisQNP_881605
Neisseria_gonorrhoeaeQYP_208592
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Escherichia_coliQNP_414624
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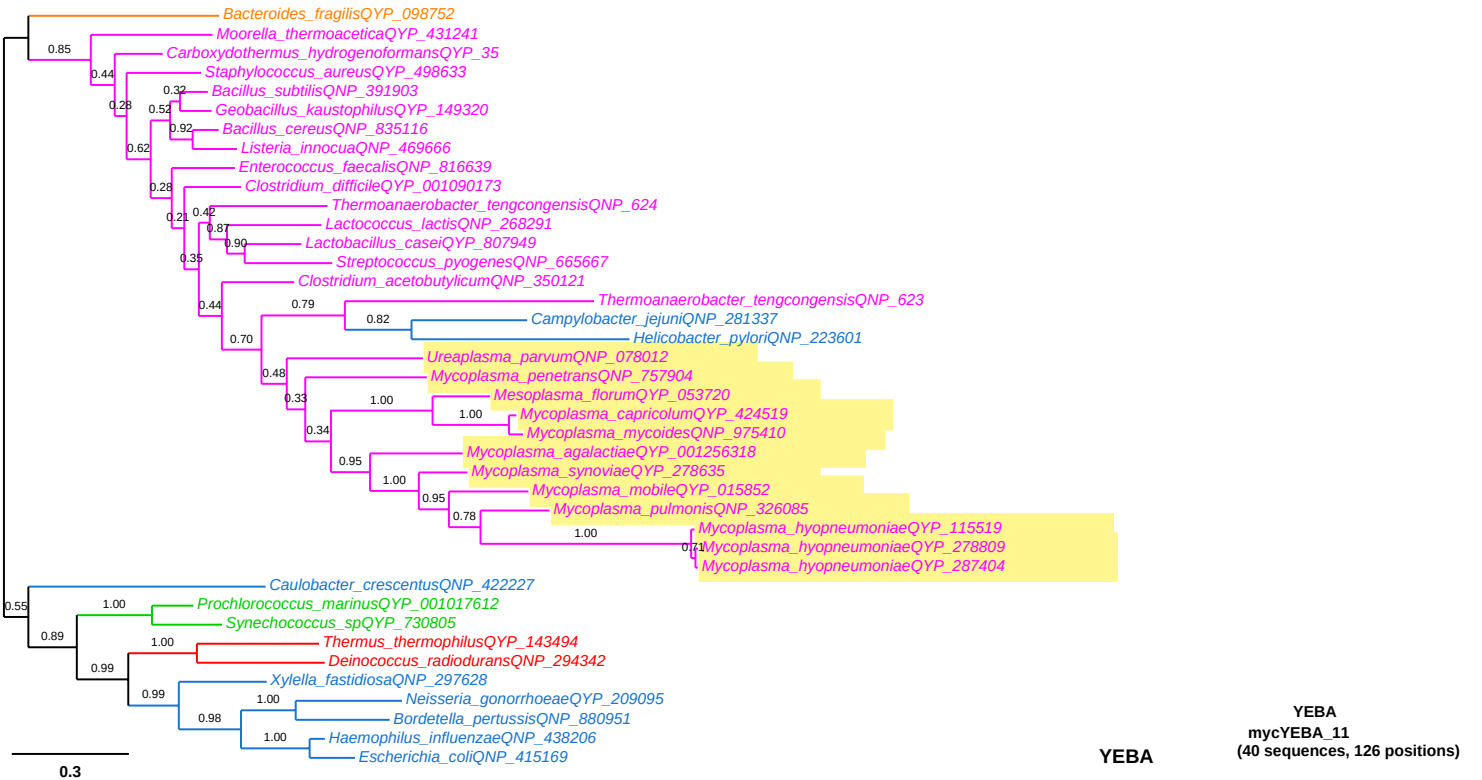
YABC
mycYABC_11
(48 sequences, 219 positions)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Staphylococcus_aureusQYP_498633
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Geobacillus_kaustophilusQYP_149320
Bacillus_cereusQNP_835116
Listeria_innocuaQNP_469666
Enterococcus_faecalisQNP_816639
Clostridium_difficileQYP_001090173
Thermoanaerobacter_tengcongensisQNP_624
Lactococcus_lactisQNP_268291
Lactobacillus_caseiQYP_807949
Streptococcus_pyogenesQNP_665667
Clostridium_acetobutylicumQNP_350121
Thermoanaerobacter_tengcongensisQNP_623
Campylobacter_jejuniQNP_281337
Helicobacter_pyloriQNP_223601
Ureaplasma_parvumQNP_078012
Mycoplasma_penetransQNP_757904
Mesoplasma_florumQYP_053720
Mycoplasma_capricolumQYP_424519
Mycoplasma_mycoidesQNP_975410
Mycoplasma_agalactiaeQYP_001256318
Mycoplasma_synoviaeQYP_278635
Mycoplasma_mobileQYP_015852
Mycoplasma_pulmonisQNP_326085
Mycoplasma_hyopneumoniaeQYP_115519
Mycoplasma_hyopneumoniaeQYP_278809
Mycoplasma_hyopneumoniaeQYP_287404
Caulobacter_crescentusQNP_422227
Prochlorococcus_marinusQYP_001017612
Synechococcus_spQYP_730805
Thermus_thermophilusQYP_143494
Deinococcus_radioduransQNP_294342
Xylella_fastidiosaQNP_297628
Neisseria_gonorrhoeaeQYP_209095
Bordetella_pertussisQNP_880951
Haemophilus_influenzaeQNP_438206
Escherichia_coliQNP_415169
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0.44
0.28
0.32
0.52
0.92
0.62
0.28
0.21
0.42
0.87
0.90
0.35
0.44
0.79
0.82
0.70
0.48
0.33
1.00
1.00
0.34
0.95
1.00
0.95
0.78
1.00
0.71
0.55
1.00
0.89
1.00
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0.99
1.00
0.98
1.00
0.3
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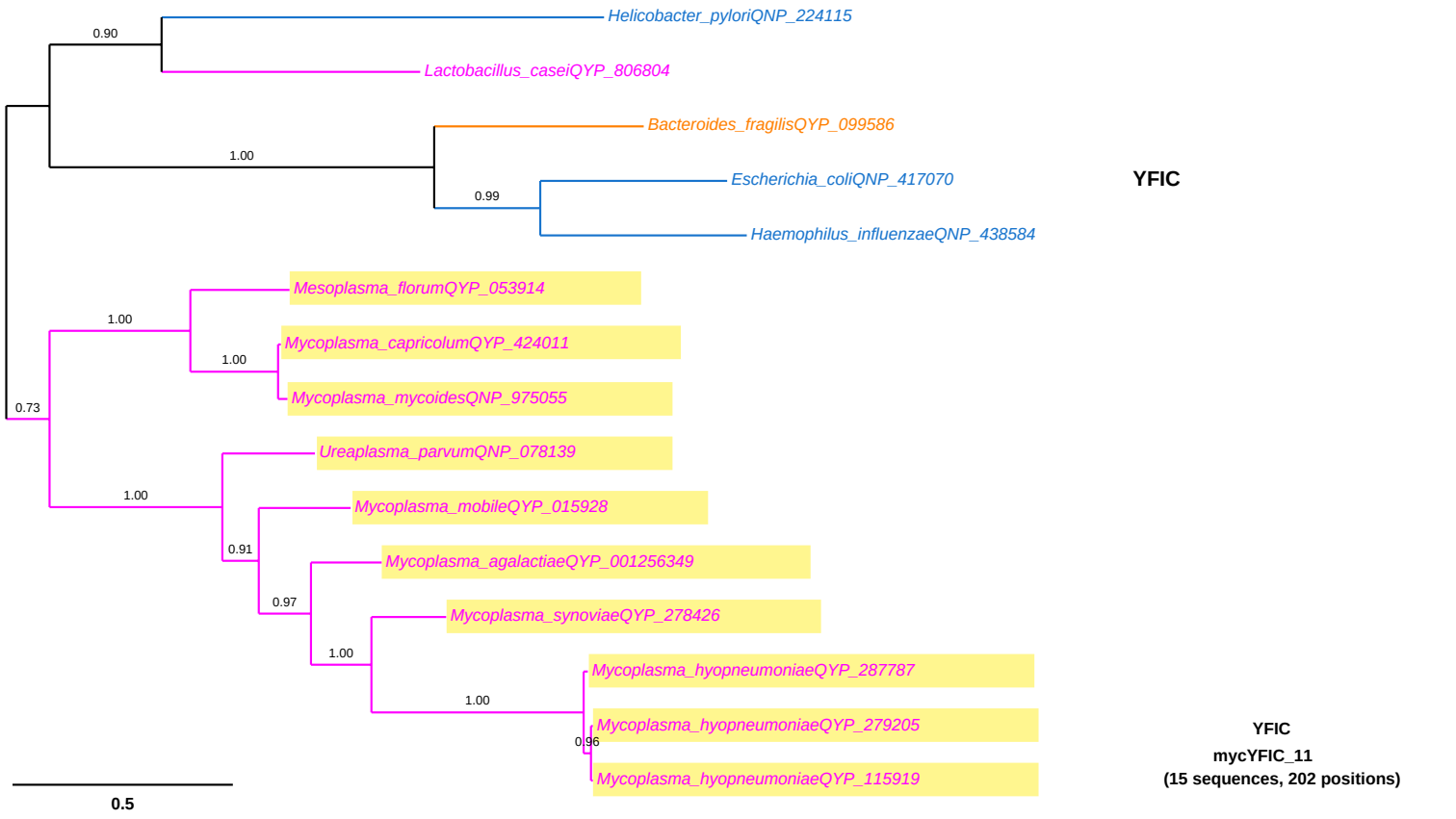
YEBA
mycYEBA_11
(40 sequences, 126 positions)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Lactobacillus_caseiQYP_806804
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Escherichia_coliQNP_417070
Haemophilus_influenzaeQNP_438584
Mesoplasma_florumQYP_053914
Mycoplasma_capricolumQYP_424011
Mycoplasma_mycoidesQNP_975055
Ureaplasma_parvumQNP_078139
Mycoplasma_mobileQYP_015928
Mycoplasma_agalactiaeQYP_001256349
Mycoplasma_synoviaeQYP_278426
Mycoplasma_hyopneumoniaeQYP_287787
Mycoplasma_hyopneumoniaeQYP_279205
Mycoplasma_hyopneumoniaeQYP_115919
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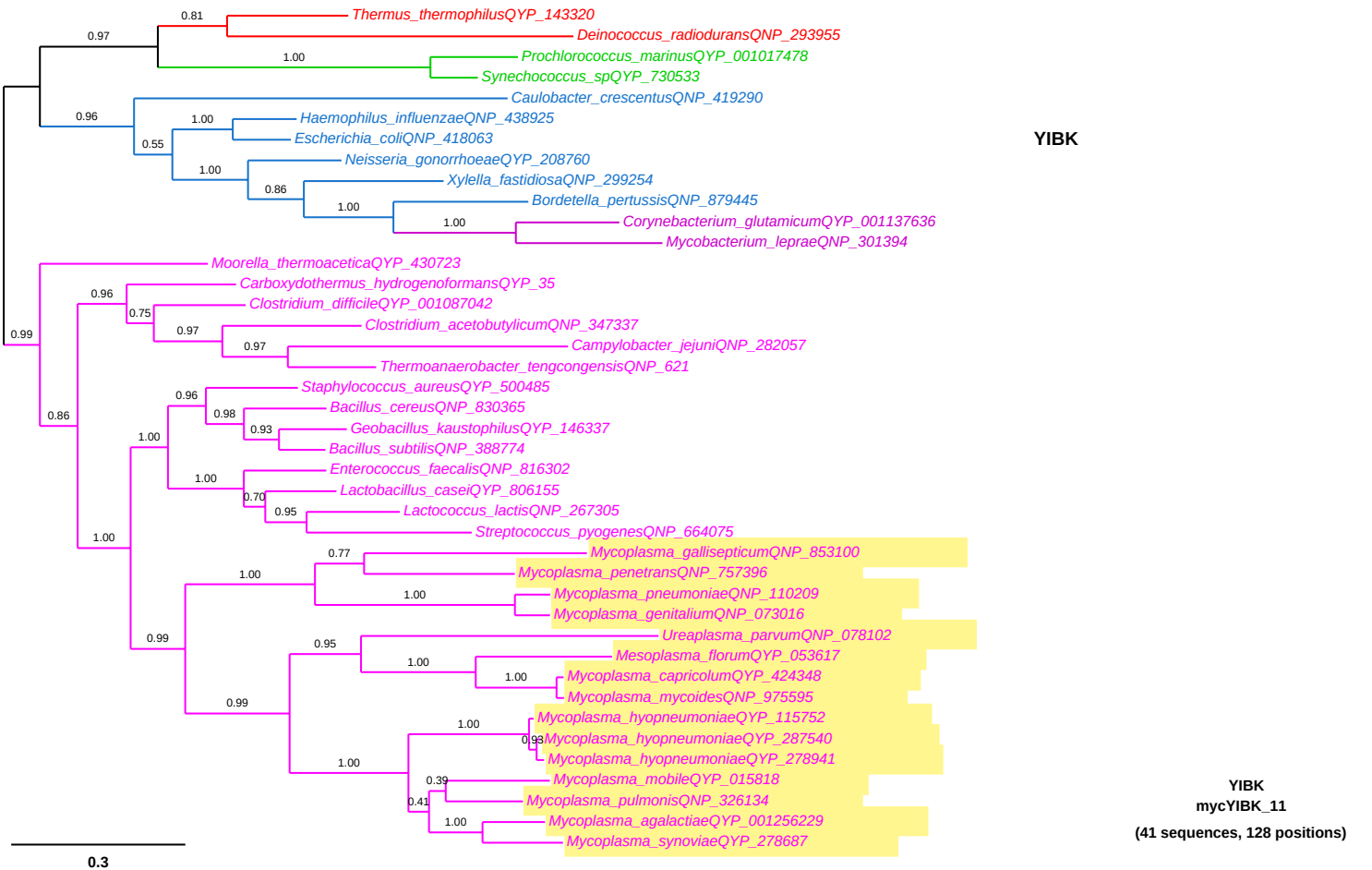
1.00
0.99
1.00
1.00
0.73
1.00
0.91
0.97
1.00
1.00
0.96
0.5
YFIC
YFIC
mycYFIC_11
(15 sequences, 202 positions)


Thermus_thermophilusQYP_143320
Deinococcus_radioduransQNP_293955
Prochlorococcus_marinusQYP_001017478
Synechococcus_spQYP_730533
Caulobacter_crescentusQNP_419290
Haemophilus_influenzaeQNP_438925
Escherichia_coliQNP_418063
Neisseria_gonorrhoeaeQYP_208760
Xylella_fastidiosaQNP_299254
Bordetella_pertussisQNP_879445
Corynebacterium_glutamicumQYP_001137636
Mycobacterium_lepraeQNP_301394
Moorella_thermoaceticaQYP_430723
Carboxydothermus_hydrogenoformansQYP_35
Clostridium_difficileQYP_001087042
Clostridium_acetobutylicumQNP_347337
Campylobacter_jejuniQNP_282057
Thermoanaerobacter_tengcongensisQNP_621
Staphylococcus_aureusQYP_500485
Bacillus_cereusQNP_830365
Geobacillus_kaustophilusQYP_146337
Bacillus_subtilisQNP_388774
Enterococcus_faecalisQNP_816302
Lactobacillus_caseiQYP_806155
Lactococcus_lactisQNP_267305
Streptococcus_pyogenesQNP_664075
Mycoplasma_gallisepticumQNP_853100
Mycoplasma_penetransQNP_757396
Mycoplasma_pneumoniaeQNP_110209
Mycoplasma_genitaliumQNP_073016
Ureaplasma_parvumQNP_078102
Mesoplasma_florumQYP_053617
Mycoplasma_capricolumQYP_424348
Mycoplasma_mycoidesQNP_975595
Mycoplasma_hyopneumoniaeQYP_115752
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Mycoplasma_hyopneumoniaeQYP_278941
Mycoplasma_mobileQYP_015818
Mycoplasma_pulmonisQNP_326134
Mycoplasma_agalactiaeQYP_001256229
Mycoplasma_synoviaeQYP_278687
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0.97
1.00
0.96
1.00
0.55
1.00
0.86
1.00
1.00
0.99
0.96
0.75
0.97
0.97
0.96
0.98
0.93
0.86
1.00
1.00
0.70
0.95
1.00
0.77
1.00
1.00
0.99
0.95
1.00
1.00
0.99
1.00
0.98
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0.39
0.41
1.00
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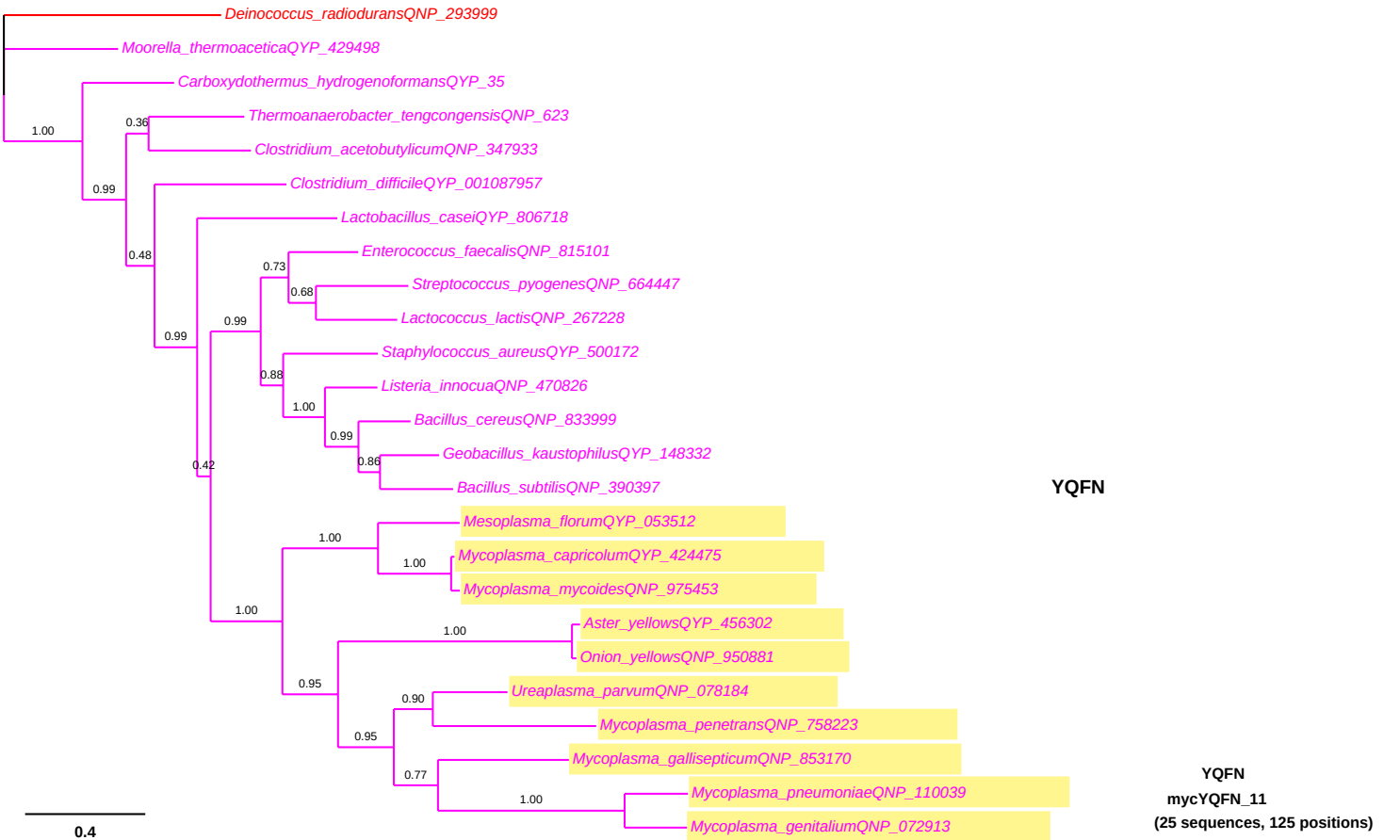
YIBK
YIBK
mycYIBK_11
(41 sequences, 128 positions)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Moorella_thermoaceticaQYP_429498
Carboxydothermus_hydrogenoformansQYP_35
Thermoanaerobacter_tengcongensisQNP_623
Clostridium_acetobutylicumQNP_347933
Clostridium_difficileQYP_001087957
Lactobacillus_caseiQYP_806718
Enterococcus_faecalisQNP_815101
Streptococcus_pyogenesQNP_664447
Lactococcus_lactisQNP_267228
Staphylococcus_aureusQYP_500172
Listeria_innocuaQNP_470826
Bacillus_cereusQNP_833999
Geobacillus_kaustophilusQYP_148332
Bacillus_subtilisQNP_390397
Mesoplasma_florumQYP_053512
Mycoplasma_capricolumQYP_424475
Mycoplasma_mycoidesQNP_975453
Aster_yellowsQYP_456302
Onion_yellowsQNP_950881
Ureaplasma_parvumQNP_078184
Mycoplasma_penetransQNP_758223
Mycoplasma_gallisepticumQNP_853170
Mycoplasma_pneumoniaeQNP_110039
Mycoplasma_genitaliumQNP_072913
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0.99
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0.68
0.99
0.88
1.00
0.99
0.86
0.42
1.00
1.00
1.00
1.00
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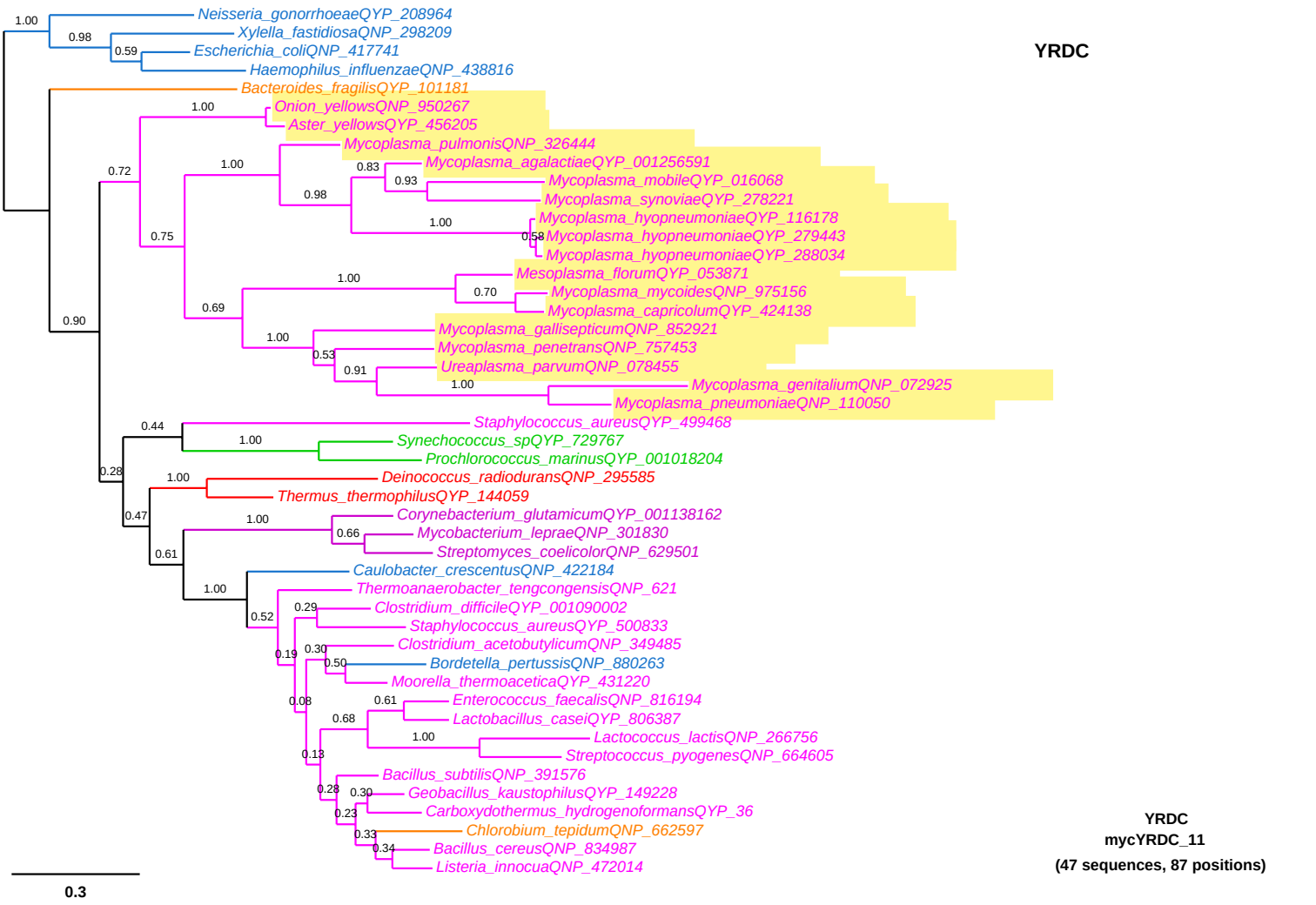
0.95
0.77
1.00
0.4
YQFN
YQFN
mycYQFN_11
(25 sequences, 125 positions)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Xylella_fastidiosaQNP_298209
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Haemophilus_influenzaeQNP_438816
Bacteroides_fragilisQYP_101181
Onion_yellowsQNP_950267
Aster_yellowsQYP_456205
Mycoplasma_pulmonisQNP_326444
Mycoplasma_agalactiaeQYP_001256591
Mycoplasma_mobileQYP_016068
Mycoplasma_synoviaeQYP_278221
Mycoplasma_hyopneumoniaeQYP_116178
Mycoplasma_hyopneumoniaeQYP_279443
Mycoplasma_hyopneumoniaeQYP_288034
Mesoplasma_florumQYP_053871
Mycoplasma_mycoidesQNP_975156
Mycoplasma_capricolumQYP_424138
Mycoplasma_gallisepticumQNP_852921
Mycoplasma_penetransQNP_757453
Ureaplasma_parvumQNP_078455
Mycoplasma_genitaliumQNP_072925
Mycoplasma_pneumoniaeQNP_110050
Staphylococcus_aureusQYP_499468
Synechococcus_spQYP_729767
Prochlorococcus_marinusQYP_001018204
Deinococcus_radioduransQNP_295585
Thermus_thermophilusQYP_144059
Corynebacterium_glutamicumQYP_001138162
Mycobacterium_lepraeQNP_301830
Streptomyces_coelicolorQNP_629501
Caulobacter_crescentusQNP_422184
Thermoanaerobacter_tengcongensisQNP_621
Clostridium_difficileQYP_001090002
Staphylococcus_aureusQYP_500833
Clostridium_acetobutylicumQNP_349485
Bordetella_pertussisQNP_880263
Moorella_thermoaceticaQYP_431220
Enterococcus_faecalisQNP_816194
Lactobacillus_caseiQYP_806387
Lactococcus_lactisQNP_266756
Streptococcus_pyogenesQNP_664605
Bacillus_subtilisQNP_391576
Geobacillus_kaustophilusQYP_149228
Carboxydothermus_hydrogenoformansQYP_36
Chlorobium_tepidumQNP_662597
Bacillus_cereusQNP_834987
Listeria_innocuaQNP_472014
1.00
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0.59
1.00
0.72
1.00
0.83
0.93
0.98
1.00
0.58
0.75
1.00
0.70
0.69
0.90
1.00
0.53
0.91
1.00
0.44
1.00
0.28
1.00
0.47
1.00
0.66
0.61
1.00
0.52
0.29
0.19
0.30
0.50
0.08
0.61
0.68
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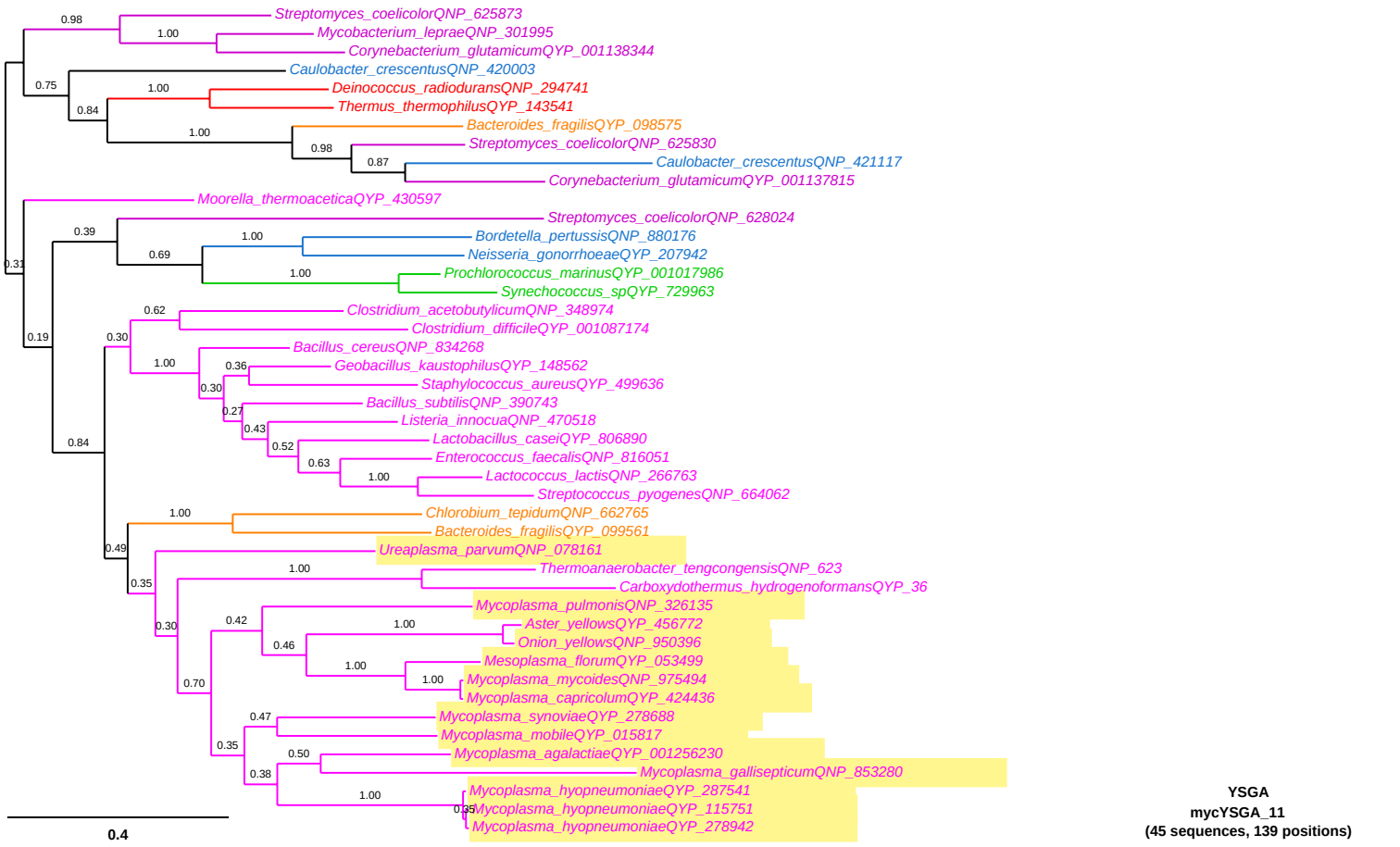
0.33
0.34
0.3
YRDC
mycYRDC_11
(47 sequences, 87 positions)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Mycobacterium_lepraeQNP_301995
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Deinococcus_radioduransQNP_294741
Thermus_thermophilusQYP_143541
Bacteroides_fragilisQYP_098575
Streptomyces_coelicolorQNP_625830
Caulobacter_crescentusQNP_421117
Corynebacterium_glutamicumQYP_001137815
Moorella_thermoaceticaQYP_430597
Streptomyces_coelicolorQNP_628024
Bordetella_pertussisQNP_880176
Neisseria_gonorrhoeaeQYP_207942
Prochlorococcus_marinusQYP_001017986
Synechococcus_spQYP_729963
Clostridium_acetobutylicumQNP_348974
Clostridium_difficileQYP_001087174
Bacillus_cereusQNP_834268
Geobacillus_kaustophilusQYP_148562
Staphylococcus_aureusQYP_499636
Bacillus_subtilisQNP_390743
Listeria_innocuaQNP_470518
Lactobacillus_caseiQYP_806890
Enterococcus_faecalisQNP_816051
Lactococcus_lactisQNP_266763
Streptococcus_pyogenesQNP_664062
Chlorobium_tepidumQNP_662765
Bacteroides_fragilisQYP_099561
Ureaplasma_parvumQNP_078161
Thermoanaerobacter_tengcongensisQNP_623
Carboxydothermus_hydrogenoformansQYP_36
Mycoplasma_pulmonisQNP_326135
Aster_yellowsQYP_456772
Onion_yellowsQNP_950396
Mesoplasma_florumQYP_053499
Mycoplasma_mycoidesQNP_975494
Mycoplasma_capricolumQYP_424436
Mycoplasma_synoviaeQYP_278688
Mycoplasma_mobileQYP_015817
Mycoplasma_agalactiaeQYP_001256230
Mycoplasma_gallisepticumQNP_853280
Mycoplasma_hyopneumoniaeQYP_287541
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Mycoplasma_hyopneumoniaeQYP_278942
0.4
YSGA
mycYSGA_11
(45 sequences, 139 positions)