

P72778 – *Synechocystis* sp.

F7UK63 – *Synechocystis* sp.

E0U7S8 – *Cyanothece* sp.

F2IIT1 – *Fluviicola taffensis*

ENSCJAG00000002743

F7E4W7 – *Callithrix jacchus*

G7NXY0 – *Macaca fascicularis*

G1QUG1 – *Nomascus leucogenys*

H2QNF2 – *Pan troglodytes*

G3QY08 – *Gorilla gorilla gorilla*

B4J948 – *Drosophila grimshawi*

Q7PPJ2 – *Anopheles gambiae*

H9J384 – *Bombyx mori*

G6D4U8 – *Danaus plexippus*

B4KR53 – *Drosophila mojavensis*

G7WK5 – *Methanosaeta harundinacea*

A5FH24 – *Flavobacterium johnsoniae*

B0D0L7 – *Laccaria bicolor*

A8N6Y7 – *Coprinopsis cinerea*

D8QC52 – *Schizophyllum commune*

D5GJR6 – *Tuber melanosporum*

G1XKA8 – *Arthrobotrys oligospora*

D8TTE1 – *Volvox carteri*

D2VWR8 – *Naegleria gruberi*

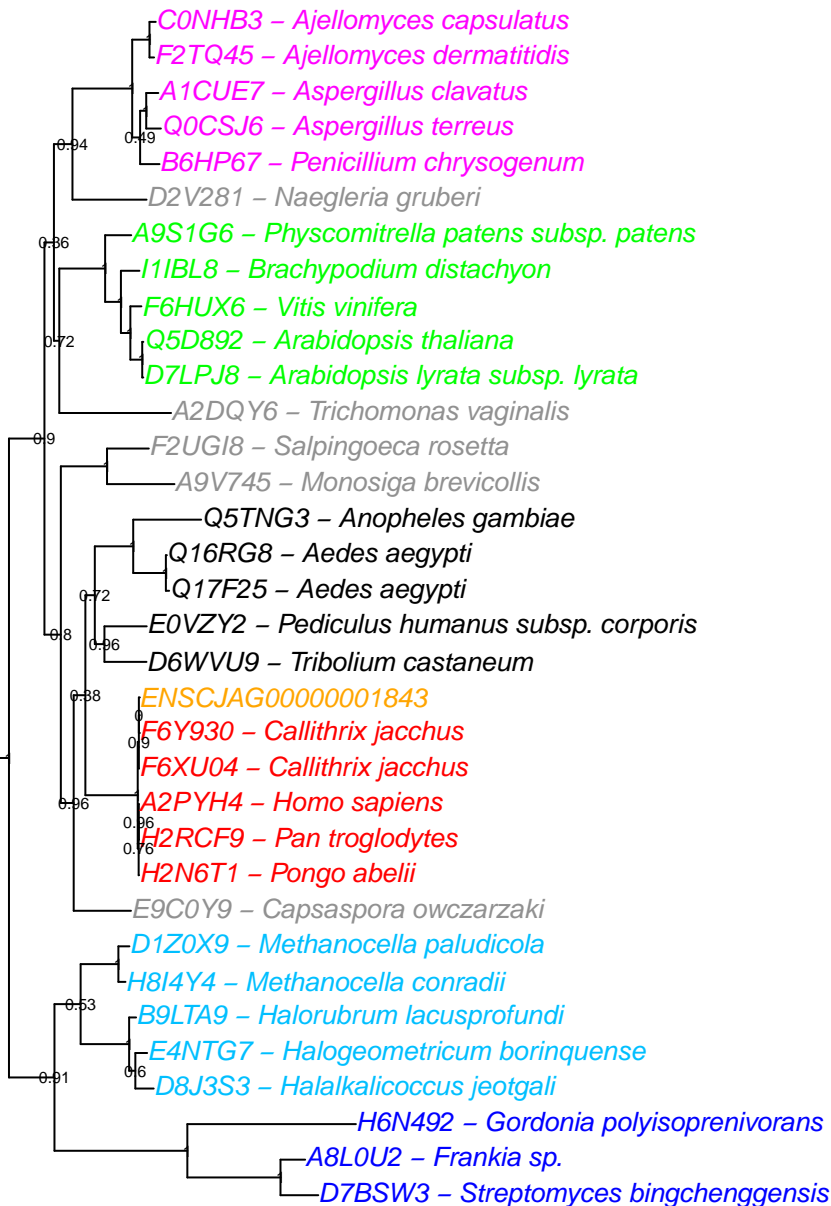
D2VBP8 – *Naegleria gruberi*

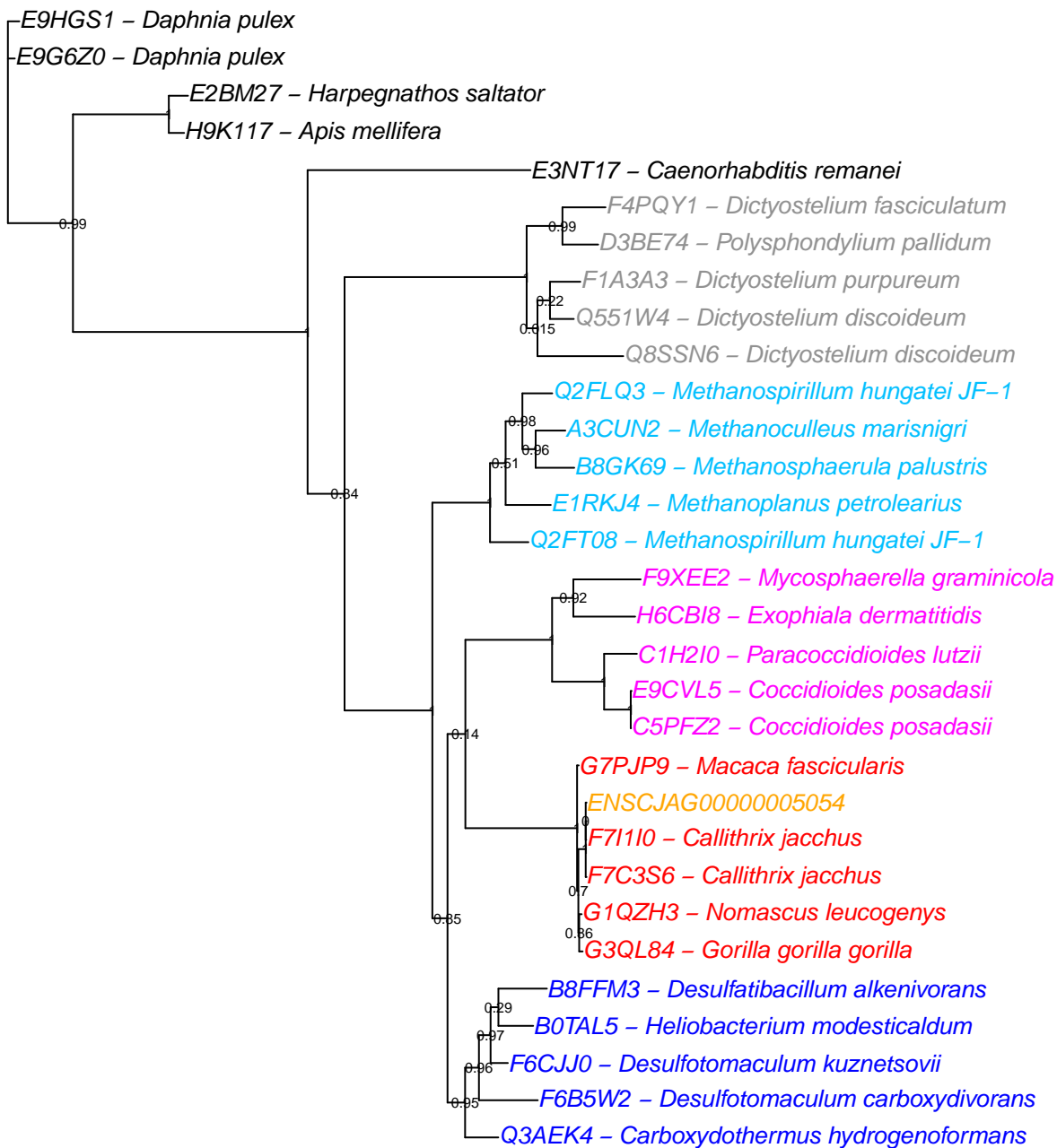
D2VC27 – *Naegleria gruberi*

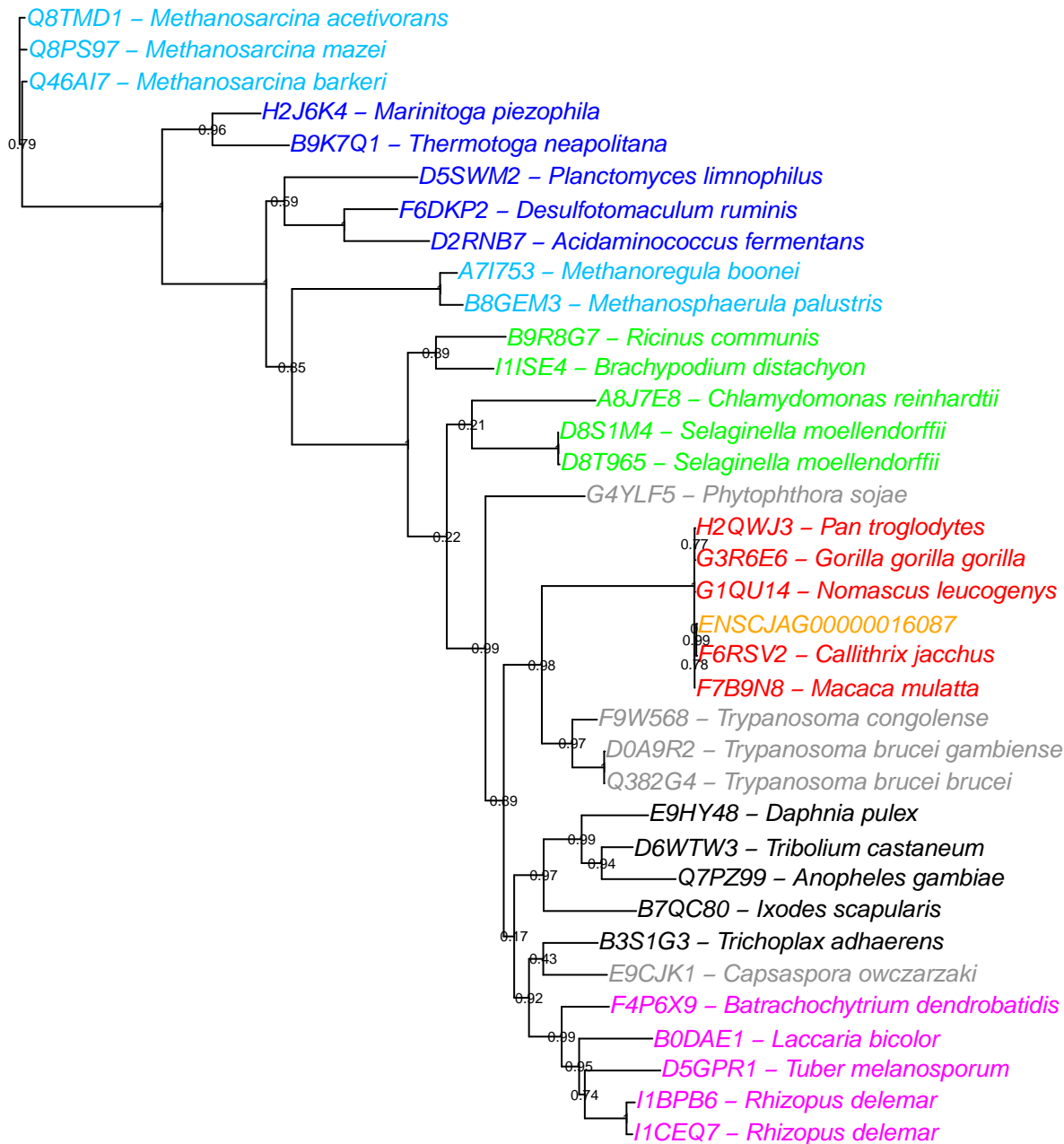
A8BLL1 – *Giardia intestinalis*

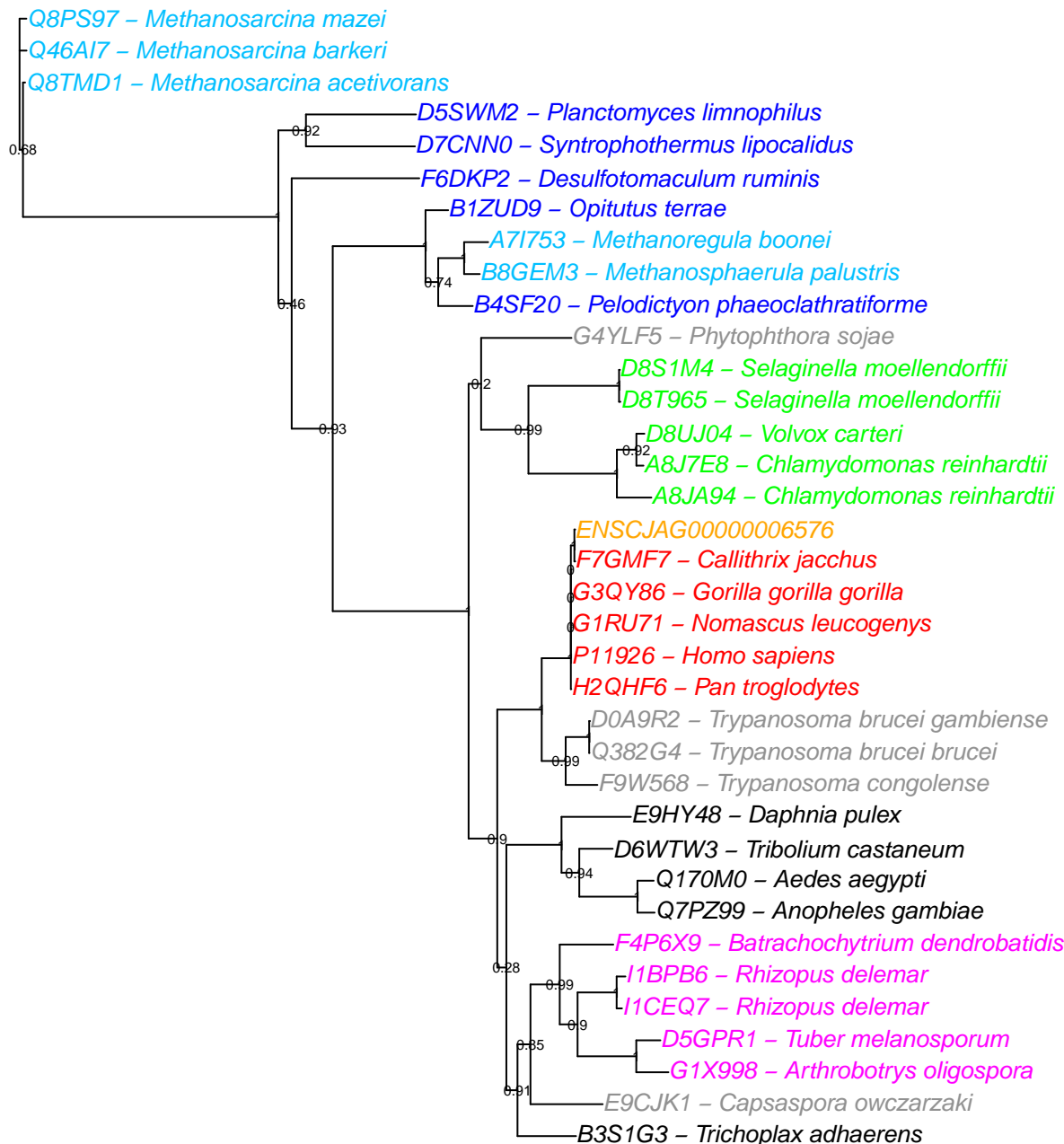
F0Y127 – *Aureococcus anophagefferens*

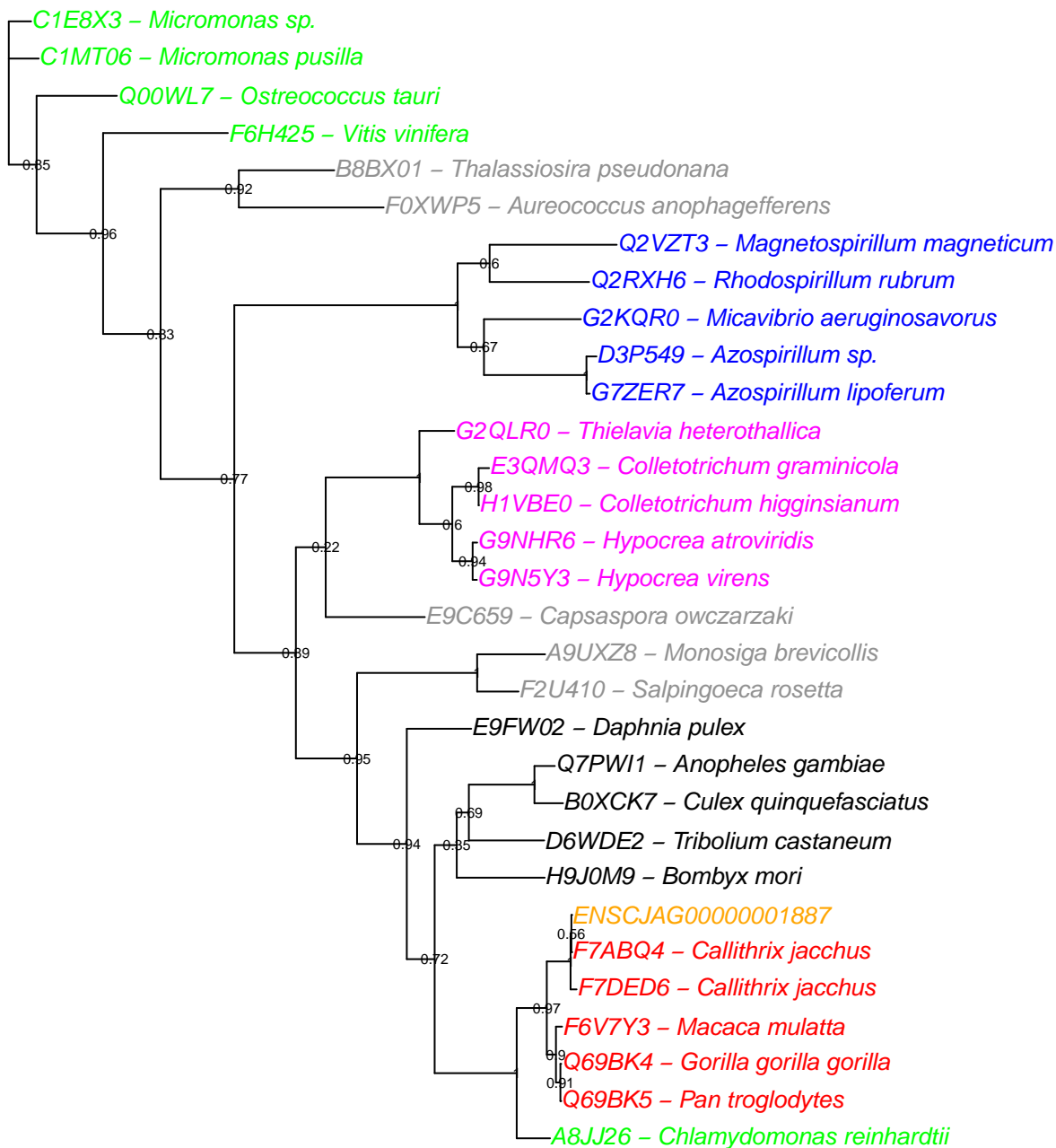
Q2JJ39 – *Synechococcus* sp.
Q2JRI9 – *Synechococcus* sp.

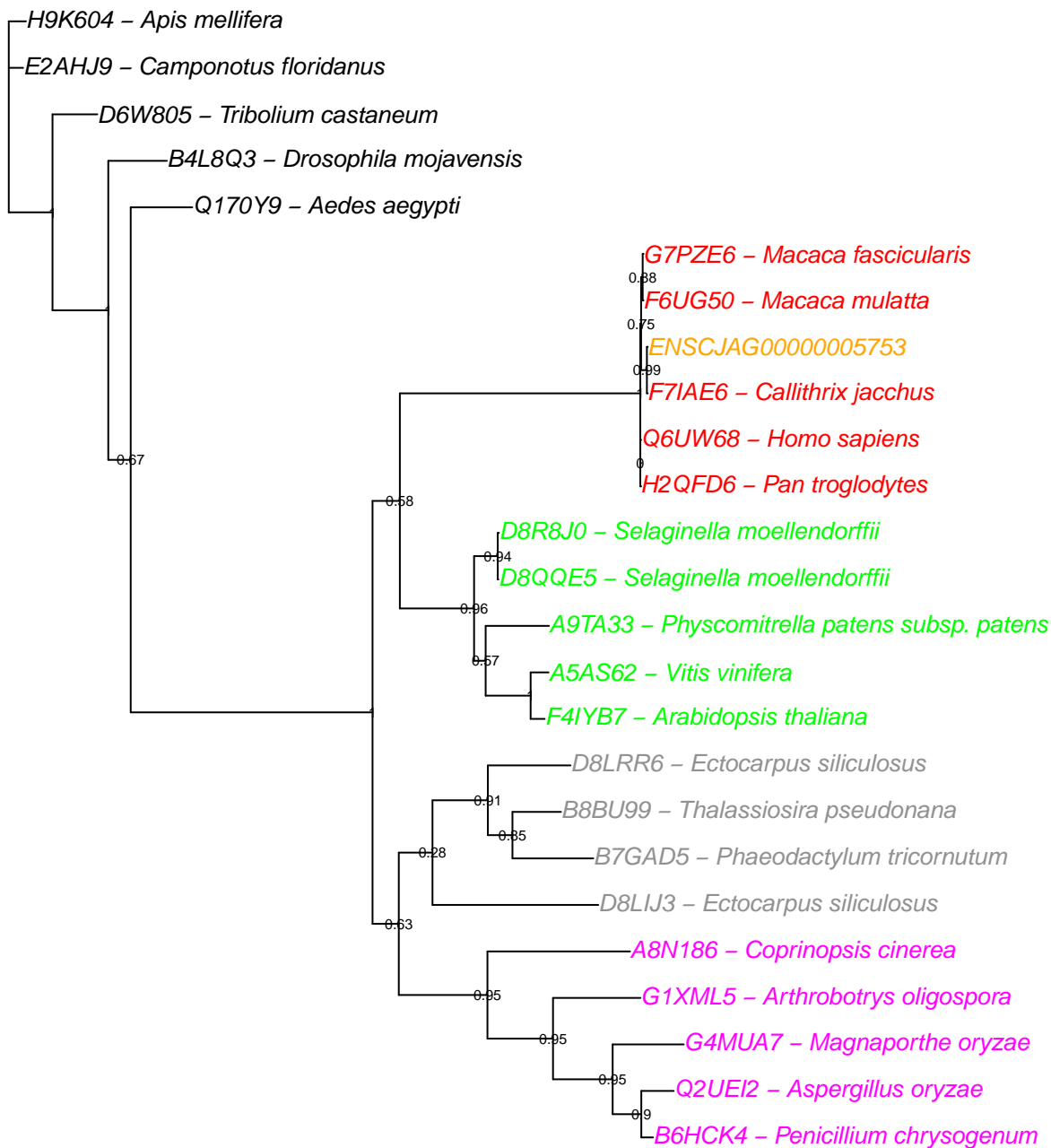


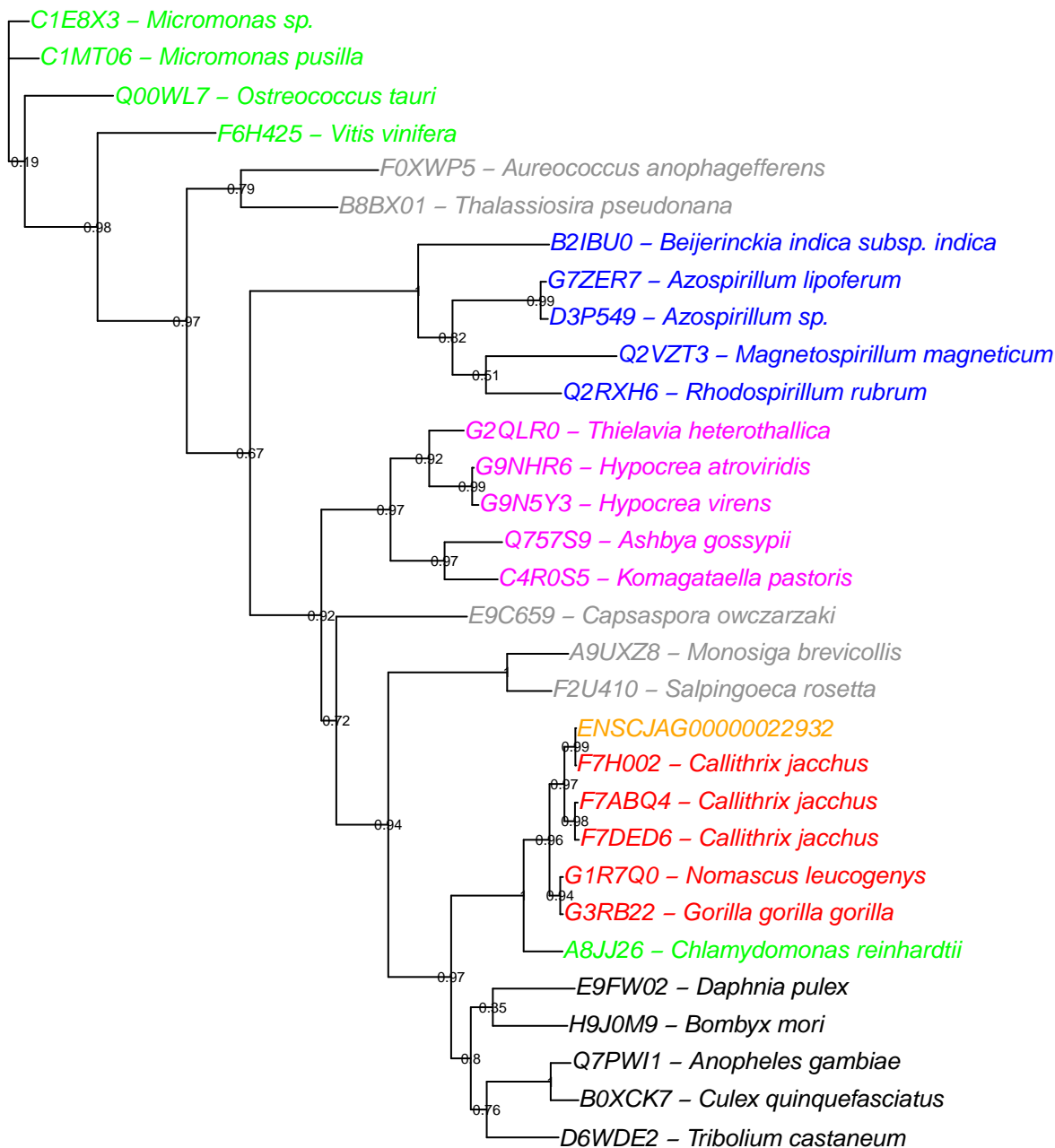


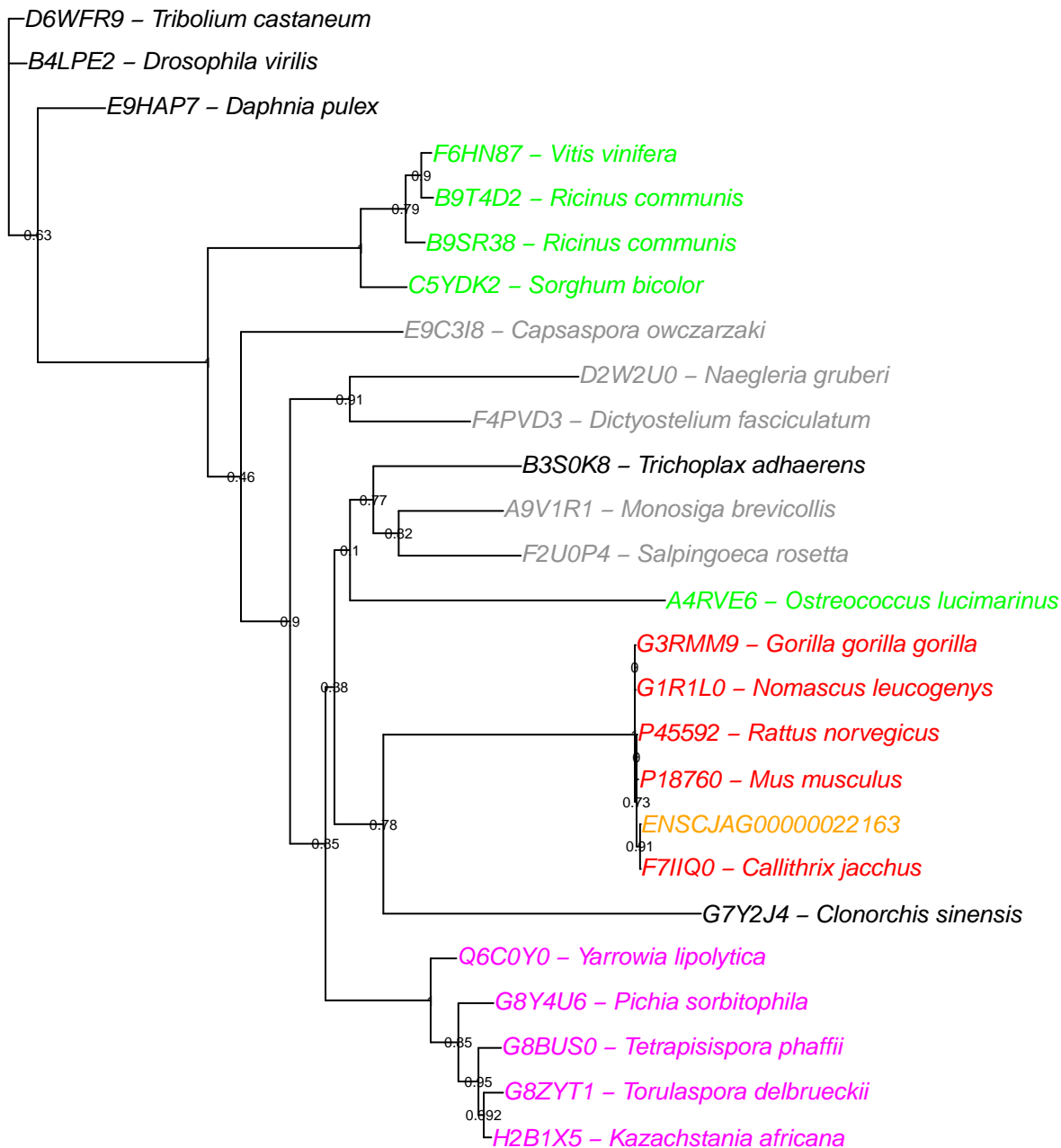


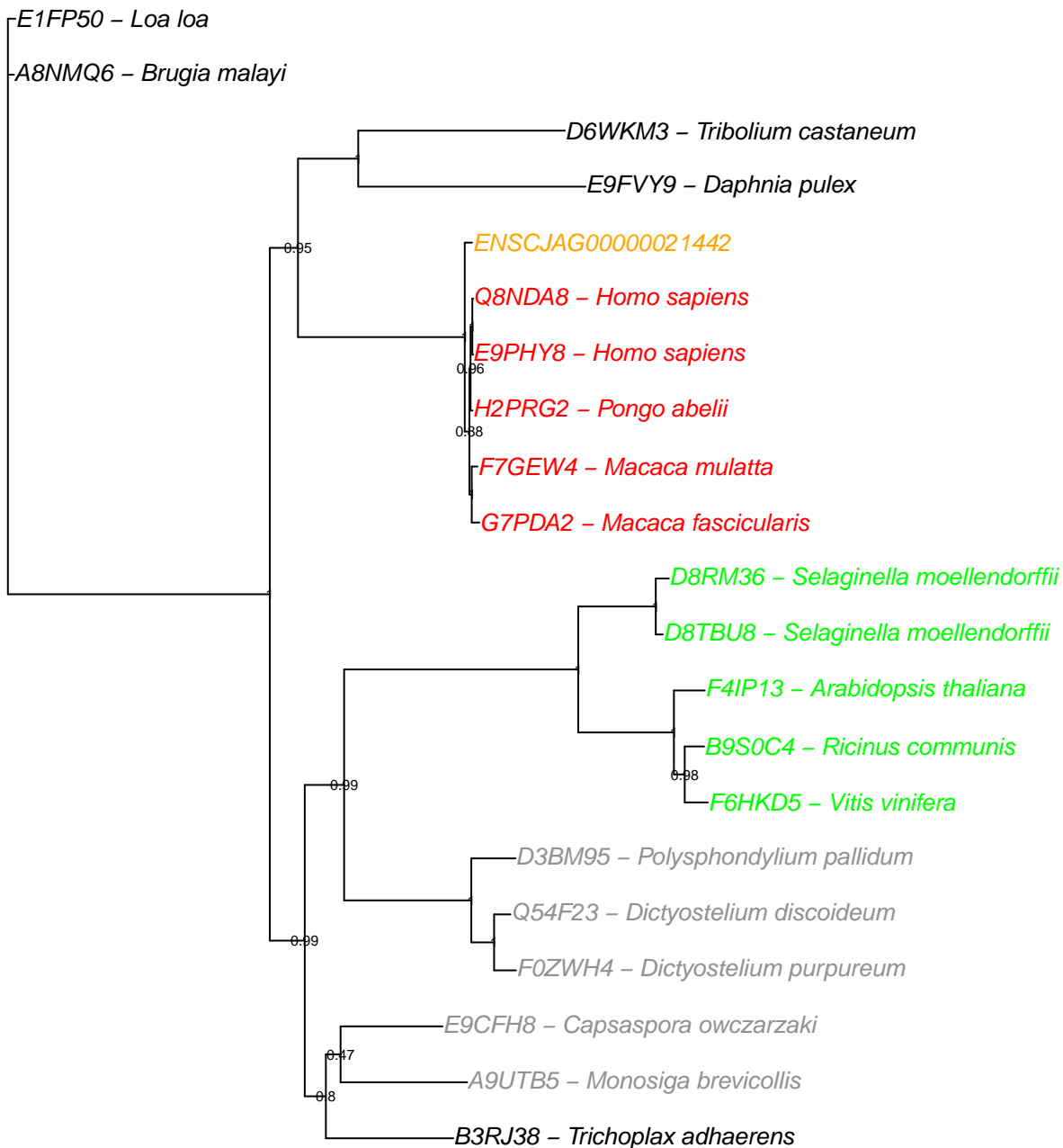


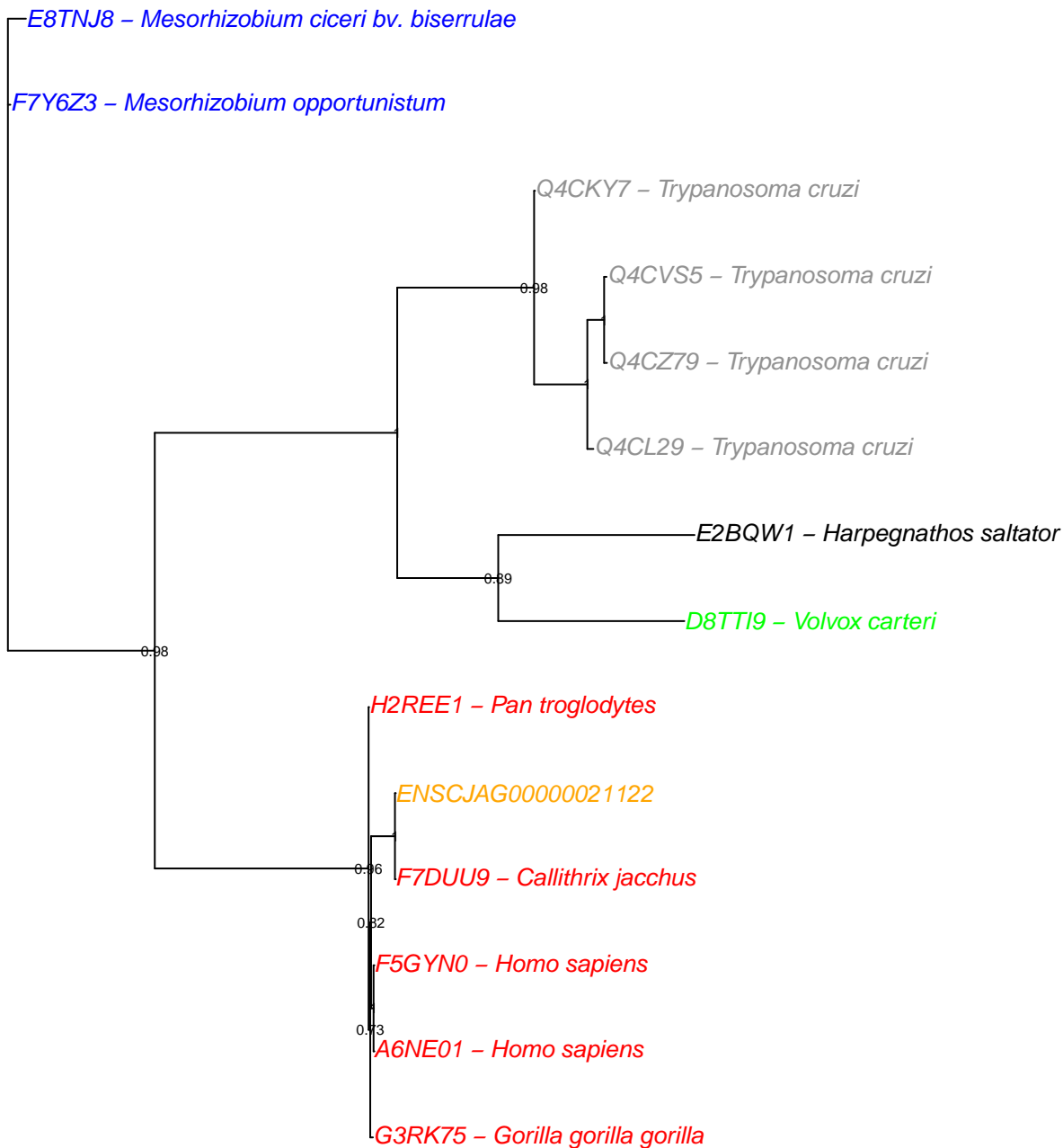


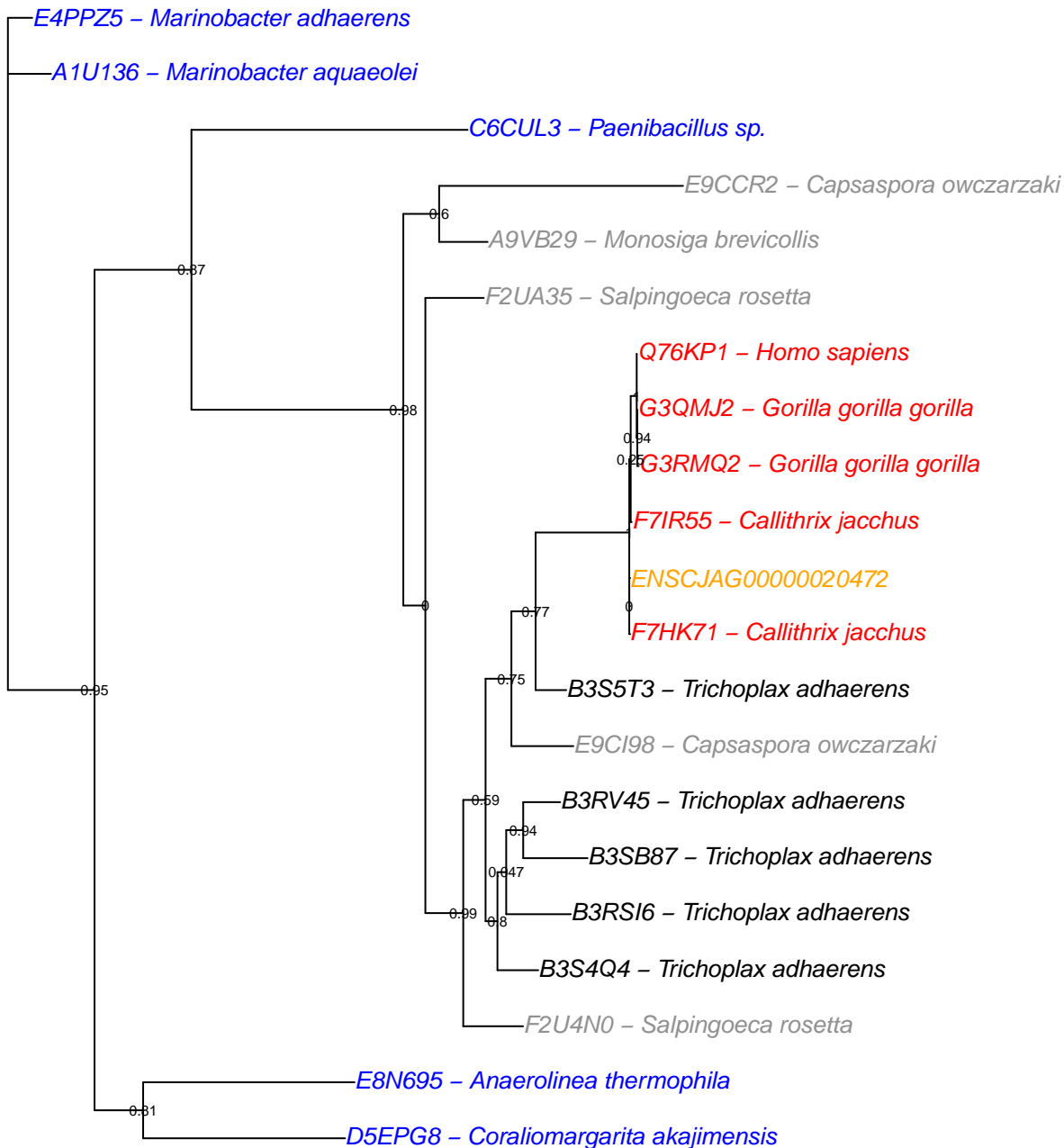


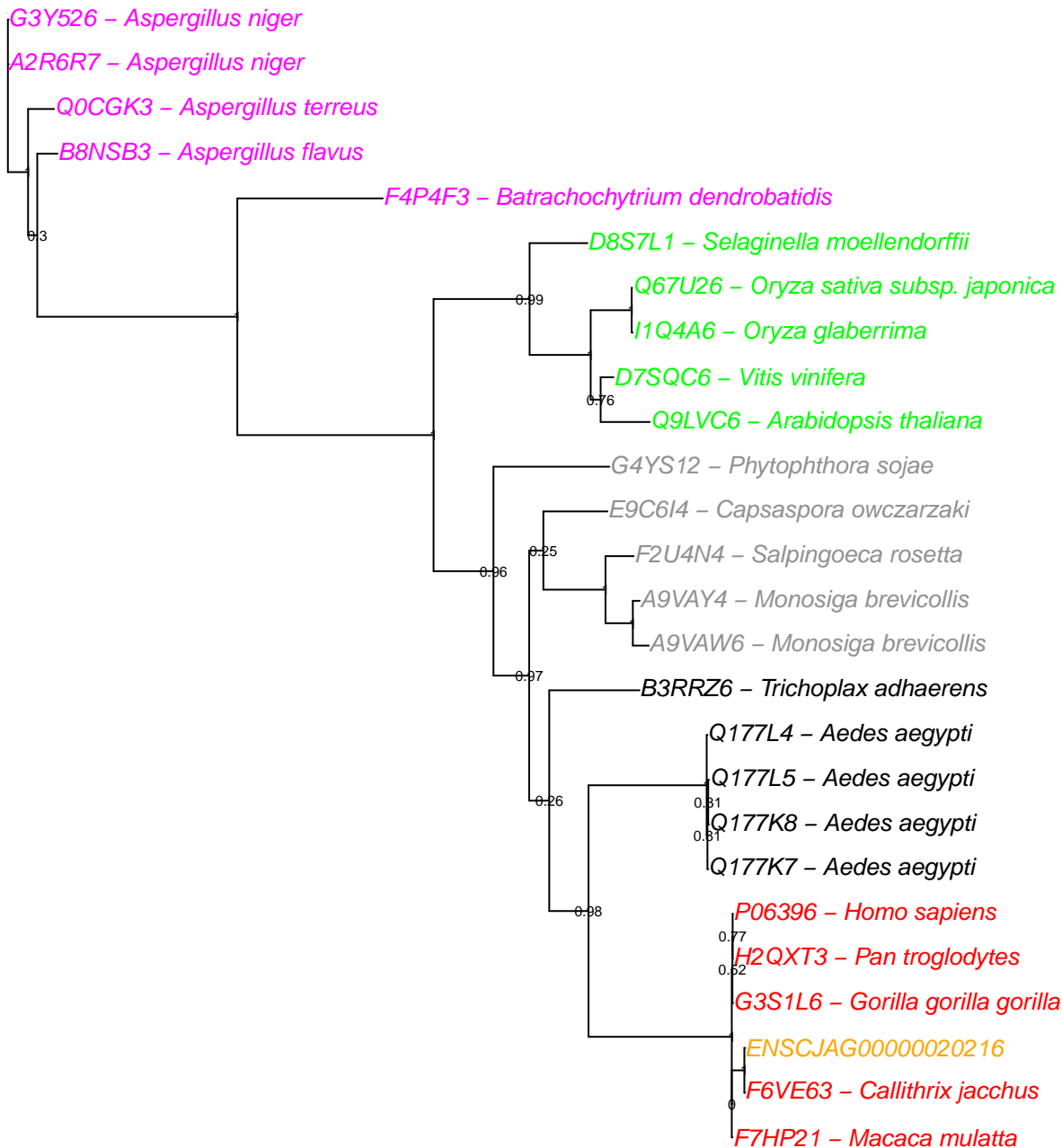


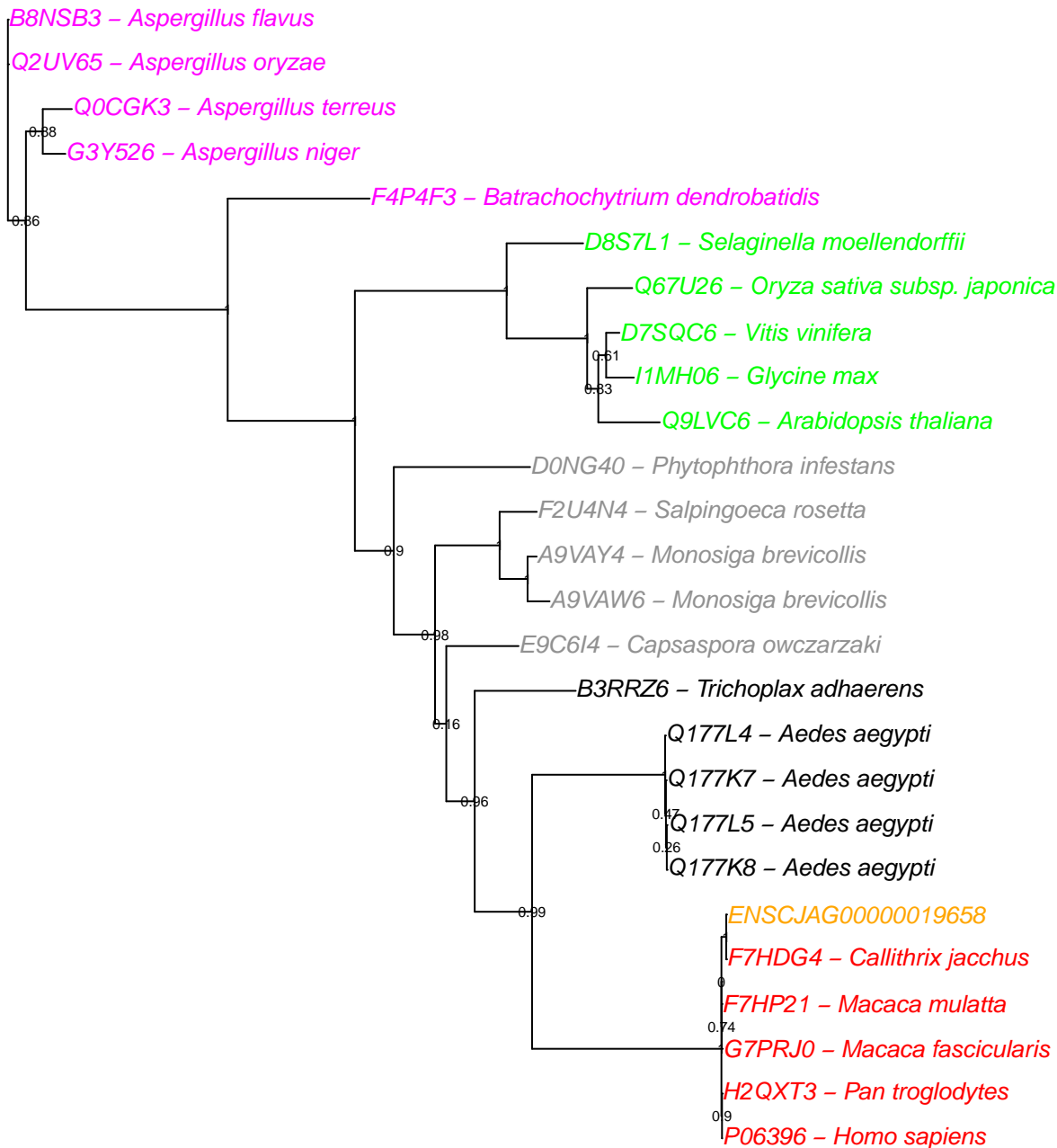






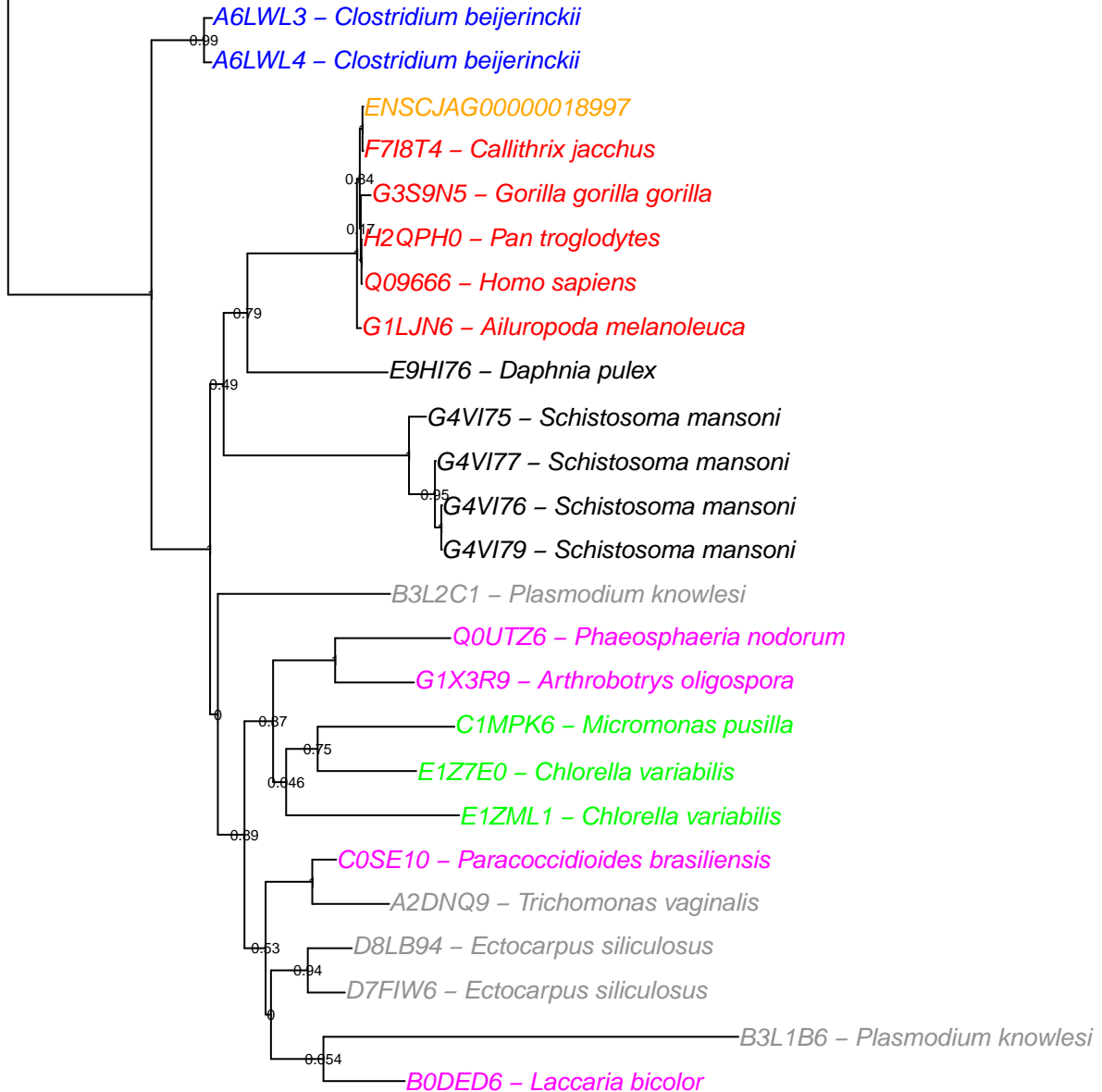


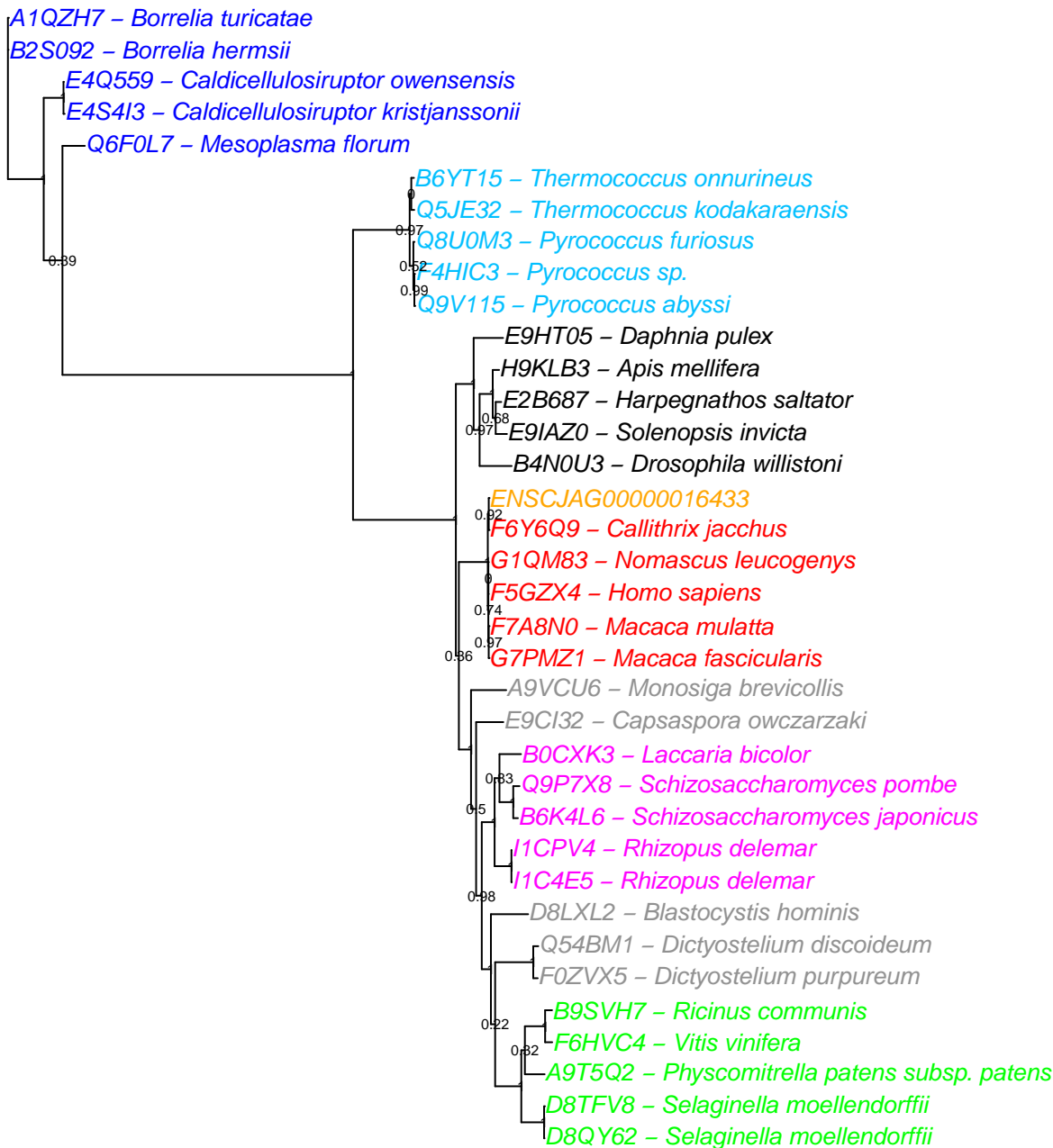


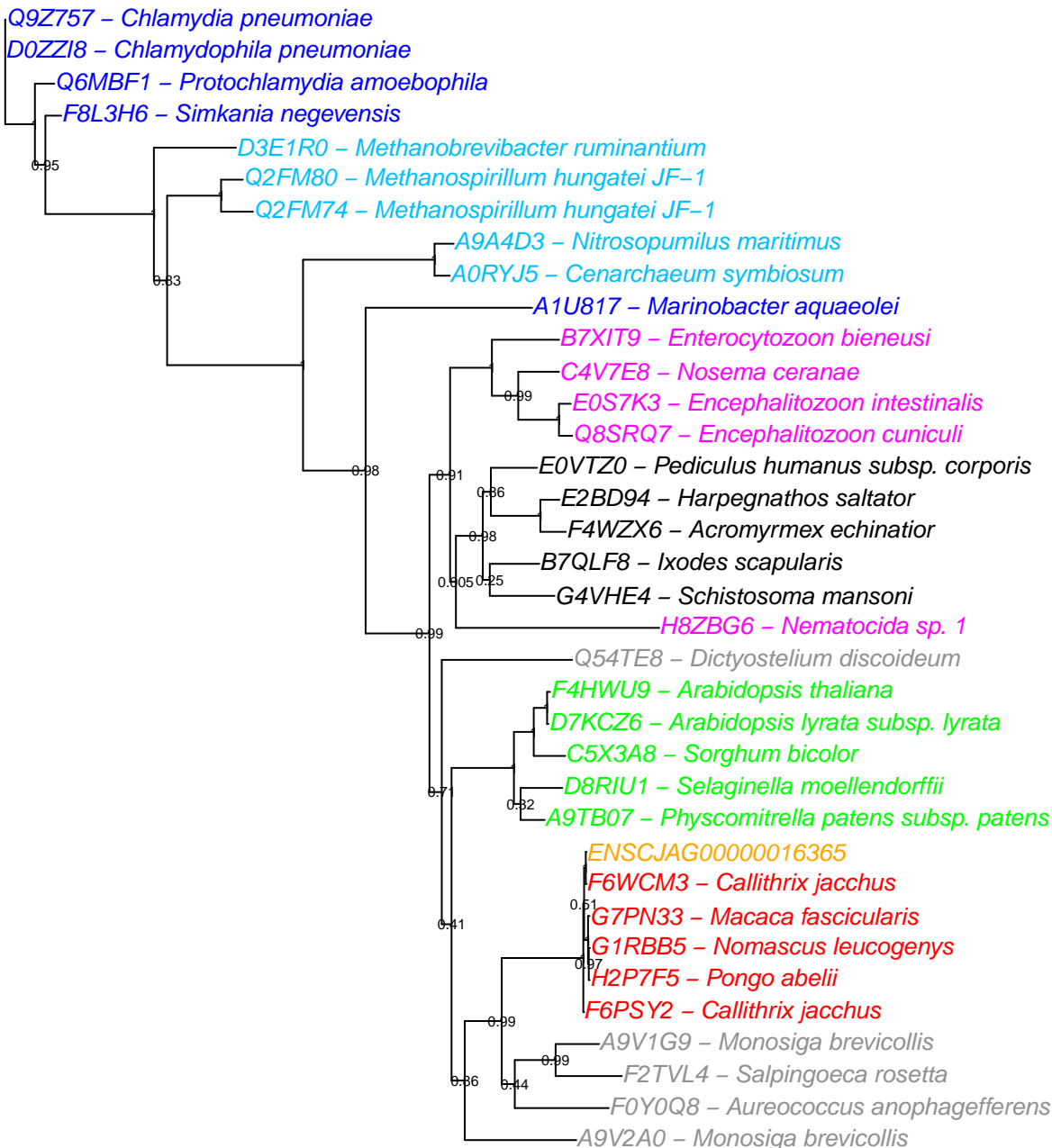


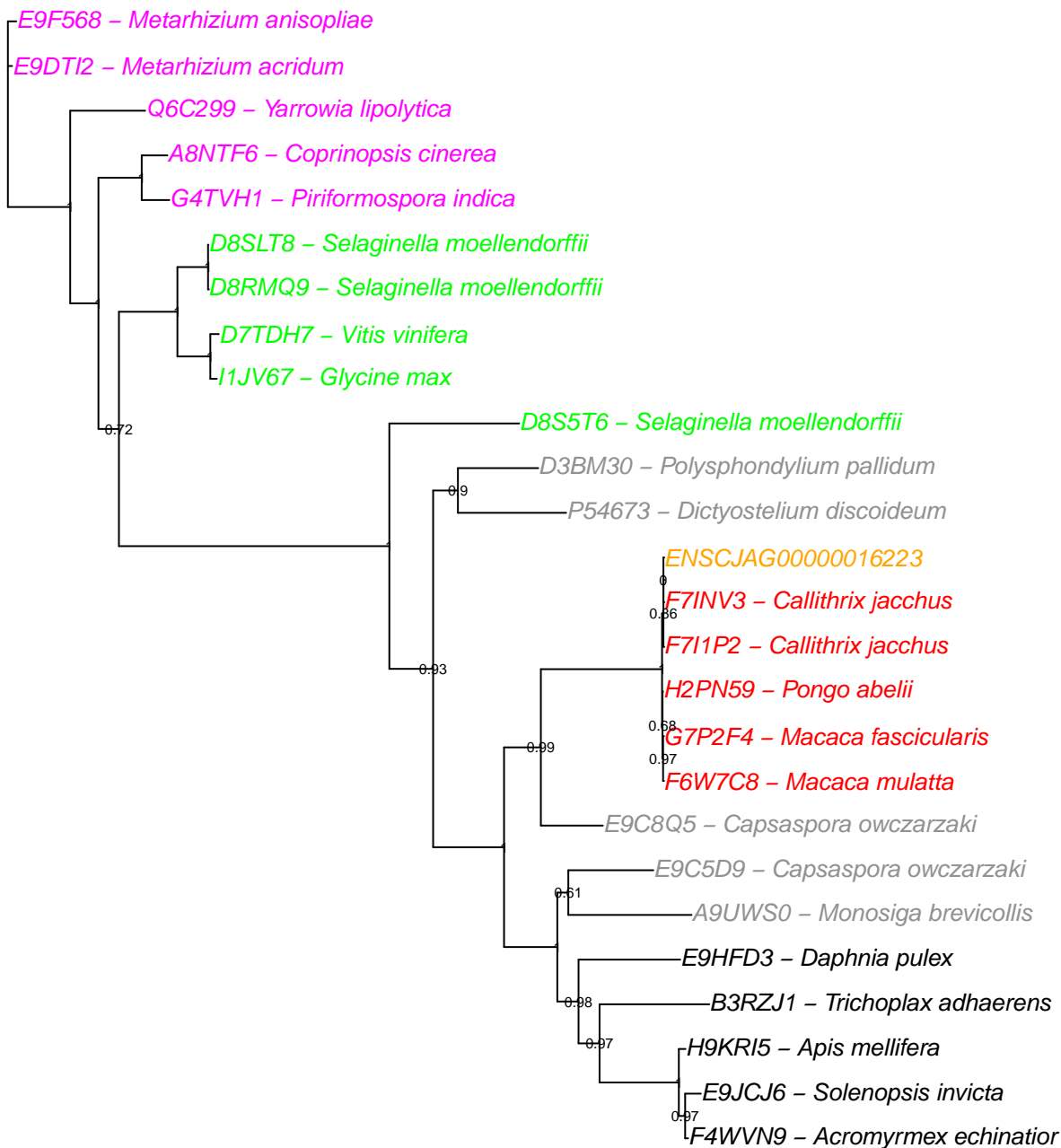
A5VKZ1 – *Lactobacillus reuteri*

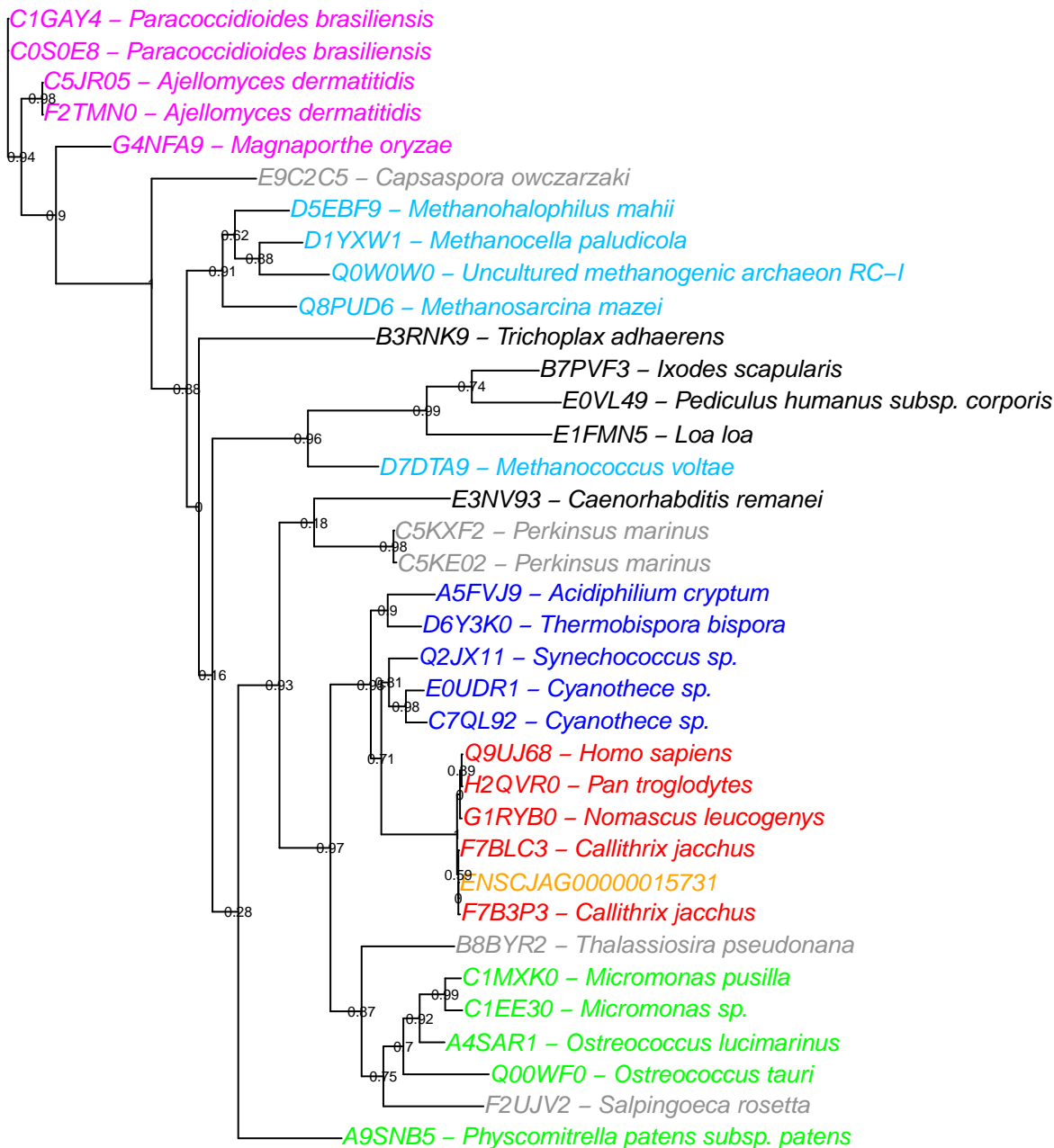
B2G8C6 – *Lactobacillus reuteri*

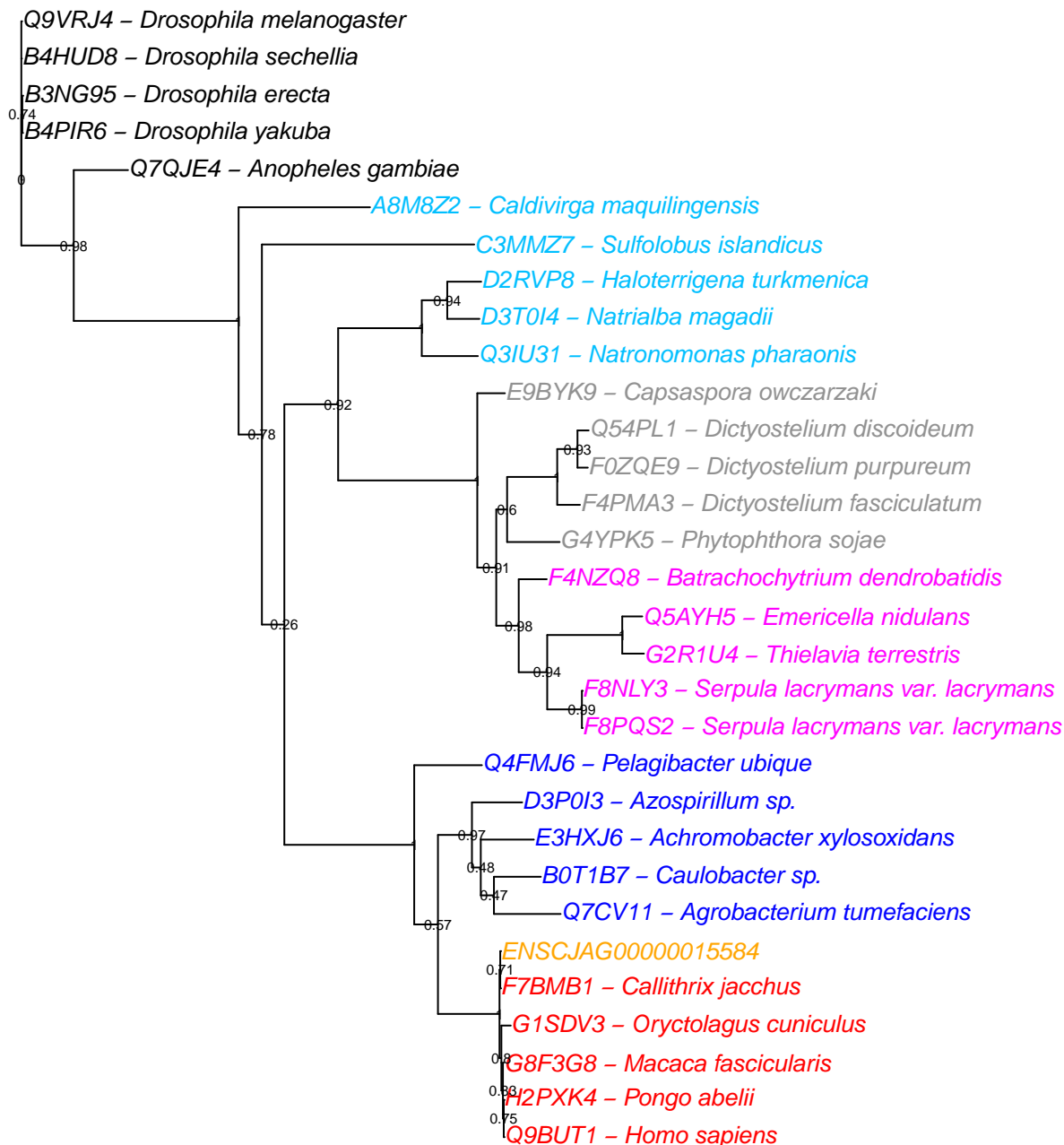












E4SPX6 – *Streptococcus thermophilus*

Q03MS9 – *Streptococcus thermophilus*

C0MF69 – *Streptococcus equi* subsp. *zooepidemicus*

B4U0D4 – *Streptococcus equi* subsp. *zooepidemicus*

F8IM73 – *Streptococcus equi* subsp. *zooepidemicus*

ENSCJAG00000015469

F6UGG5 – *Callithrix jacchus*

G1R027 – *Nomascus leucogenys*

G3QNI4 – *Gorilla gorilla gorilla*

H2QBE6 – *Pan troglodytes*

O00219 – *Homo sapiens*

I1C447 – *Rhizopus delemar*

Q0CAX2 – *Aspergillus terreus*

B8PCC4 – *Postia placenta*

B8PKM3 – *Postia placenta*

F9FZM0 – *Fusarium oxysporum*

D7G7X6 – *Ectocarpus siliculosus*

Q97YM4 – *Sulfolobus solfataricus*

D8LPB5 – *Ectocarpus siliculosus*

E4NTD4 – *Halogeometricum borinquense*

D3SVK8 – *Natrialba magadii*

F4G0D4 – *Metallosphaera cuprina*

A4YDN3 – *Metallosphaera sedula*

B8BZ32 – *Thalassiosira pseudonana*

B5YNX7 – *Thalassiosira pseudonana*

B8C4Q2 – *Thalassiosira pseudonana*

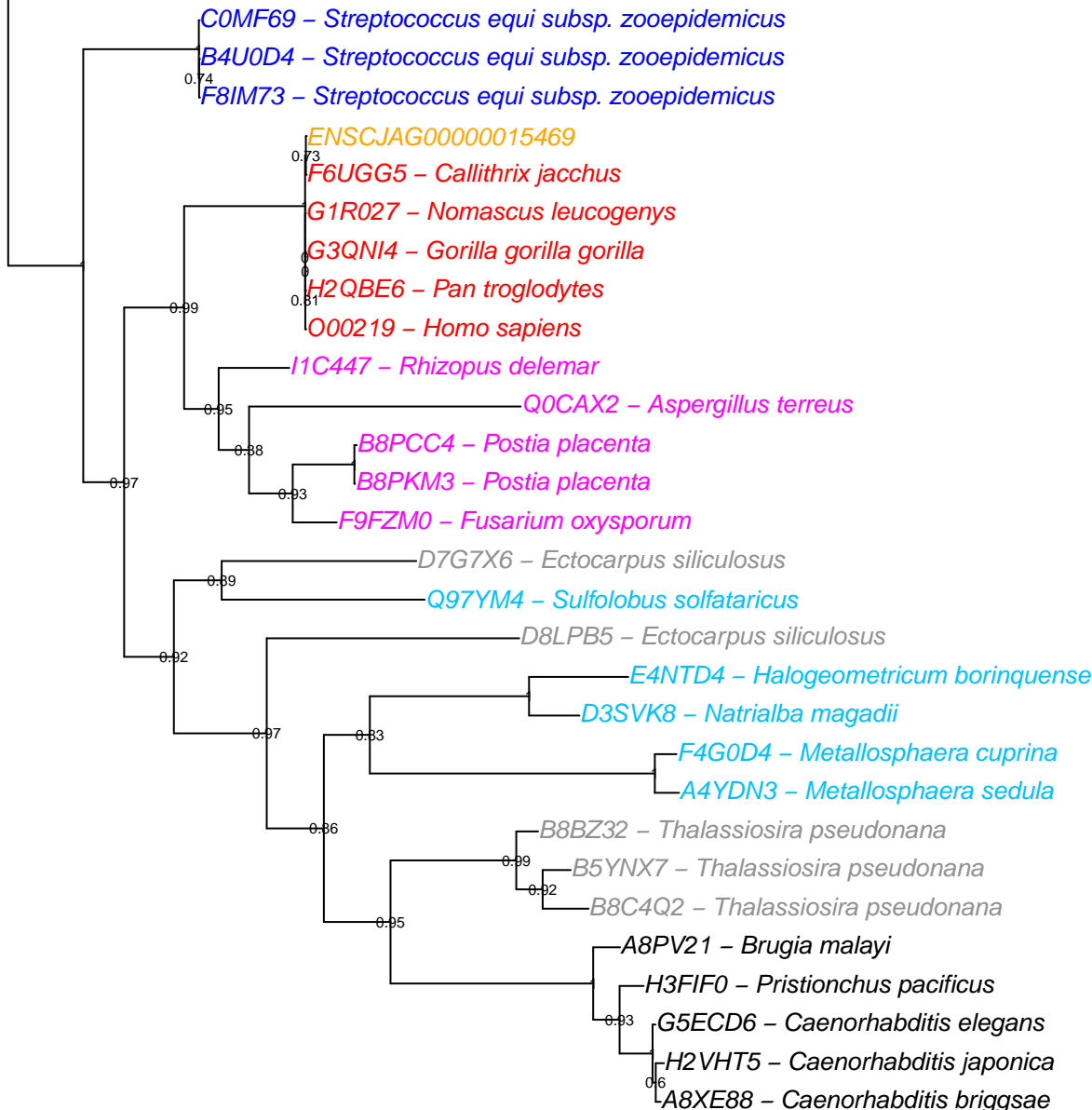
A8PV21 – *Brugia malayi*

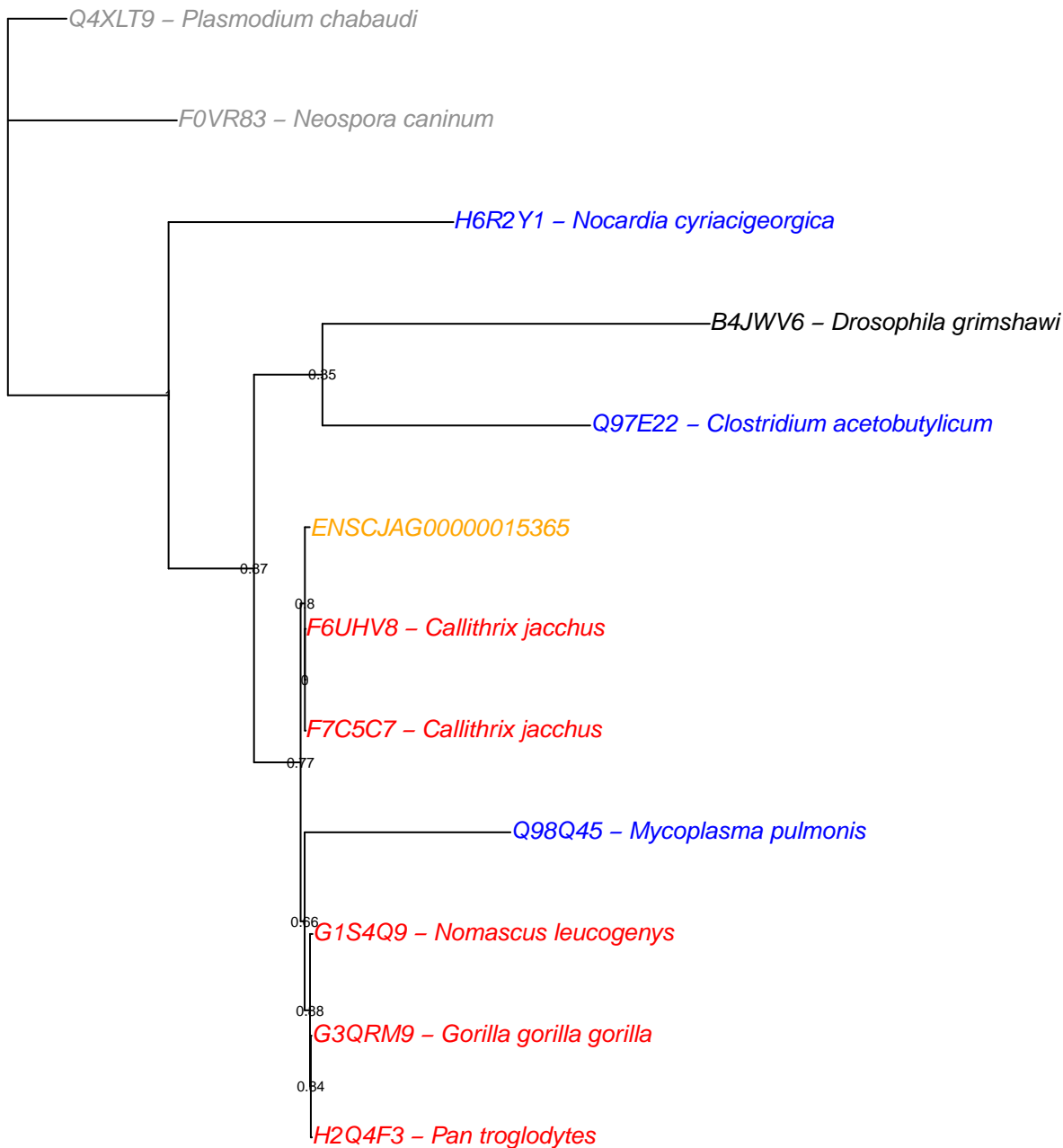
H3FIF0 – *Pristionchus pacificus*

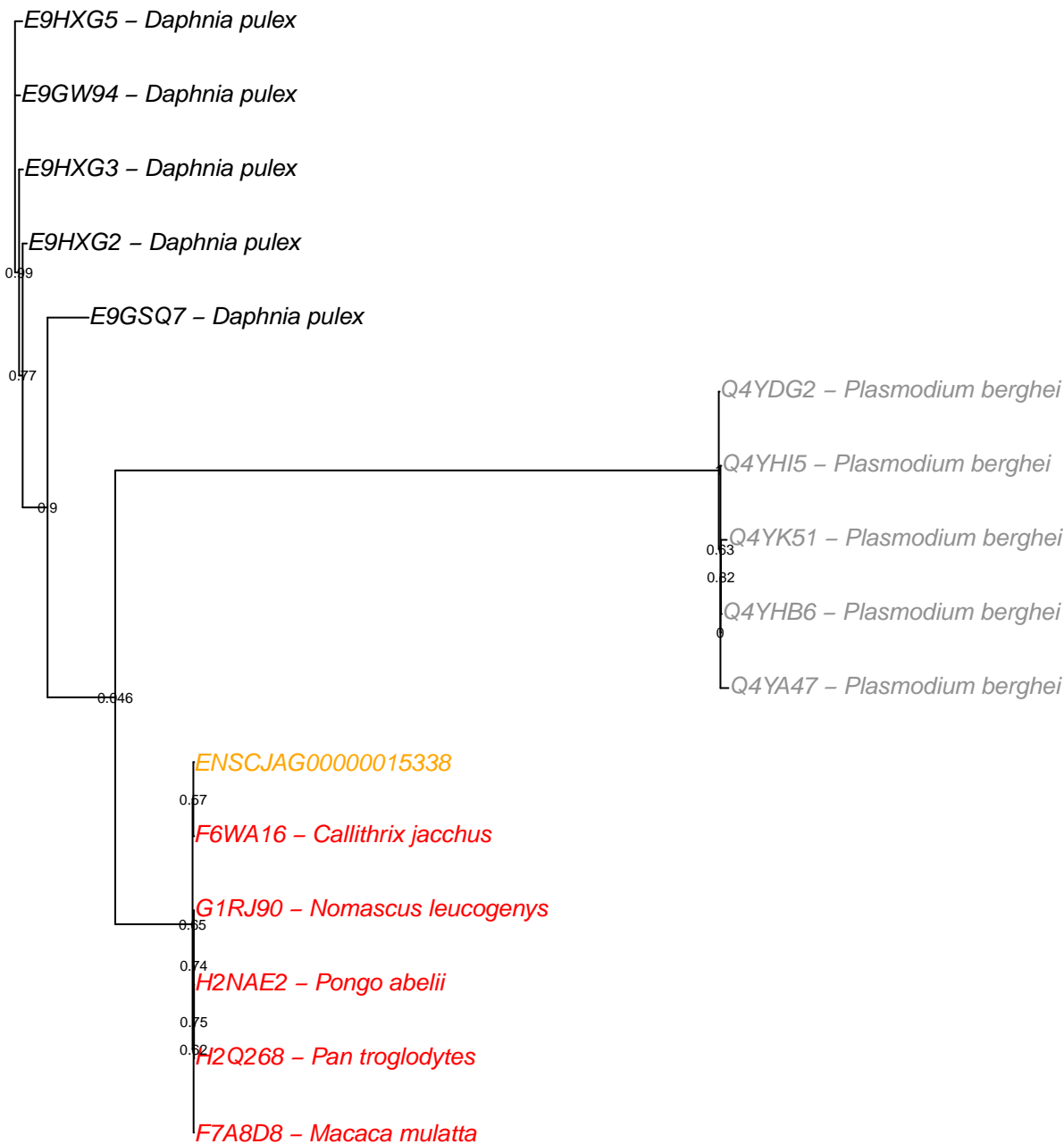
G5ECD6 – *Caenorhabditis elegans*

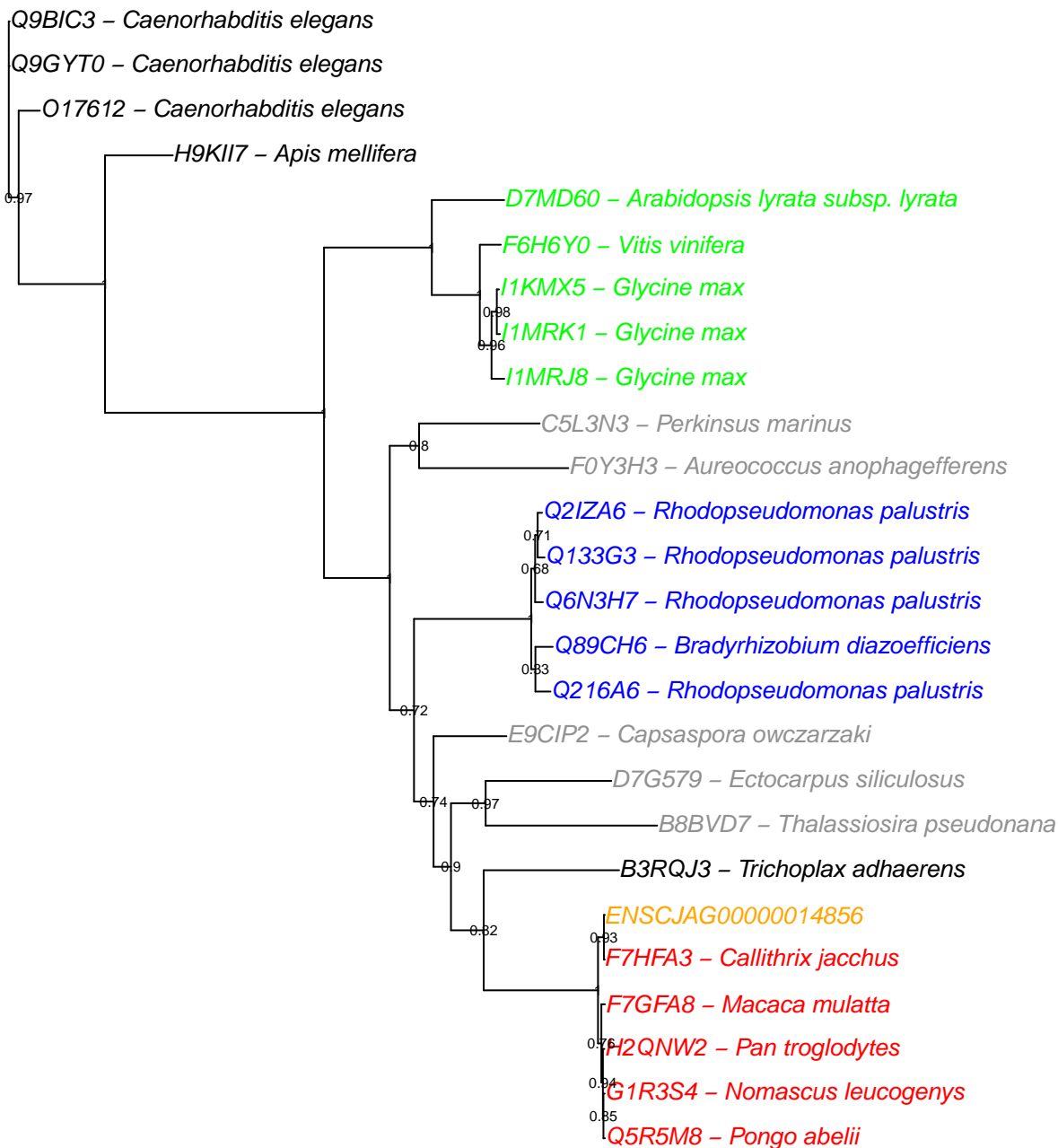
H2VHT5 – *Caenorhabditis japonica*

A8XE88 – *Caenorhabditis briggsae*









-I1M8W7 – Glycine max

B0WVV6 – *Culex quinquefasciatus*

–A8XZZ5 – *Caenorhabditis briggsae*

–A5K452 – *Plasmodium vivax*

-D8UJF2 – Volvox carteri

ENSCJAG00000014649

F7IN47 – *Callithrix jacchus*

H2NYV0 – Pongo abelii

Q9BXM0 – *Homo sapiens*

97 G3R616 – *Gorilla gorilla gorilla*

G3S2E1 – Gorilla gorilla gorilla

-11GSP3 – *Brachypodium distachyon*

–Q7RIA9 – *Plasmodium yoelii yoelii*

B8C0Z7 – *Thalassiosira pseudonana*

– Q0UDU1 – *Phaeosphaeria nodorum*

-G0P4J4 – *Caenorhabditis brenneri*

E8UK14 – *Streptococcus suis*

A4VZ88 – *Streptococcus suis*

A4VT03 – *Streptococcus suis*

D5AFV0 – Streptococcus suis

—F9XBP1 – *Mycosphaerella graminicola*

– G1X3R9 – *Arthrobotrys oligospora*

– Q0U4I6 – *Phaeosphaeria nodorum*

– Q0UTZ6 – *Phaeosphaeria nodorum*

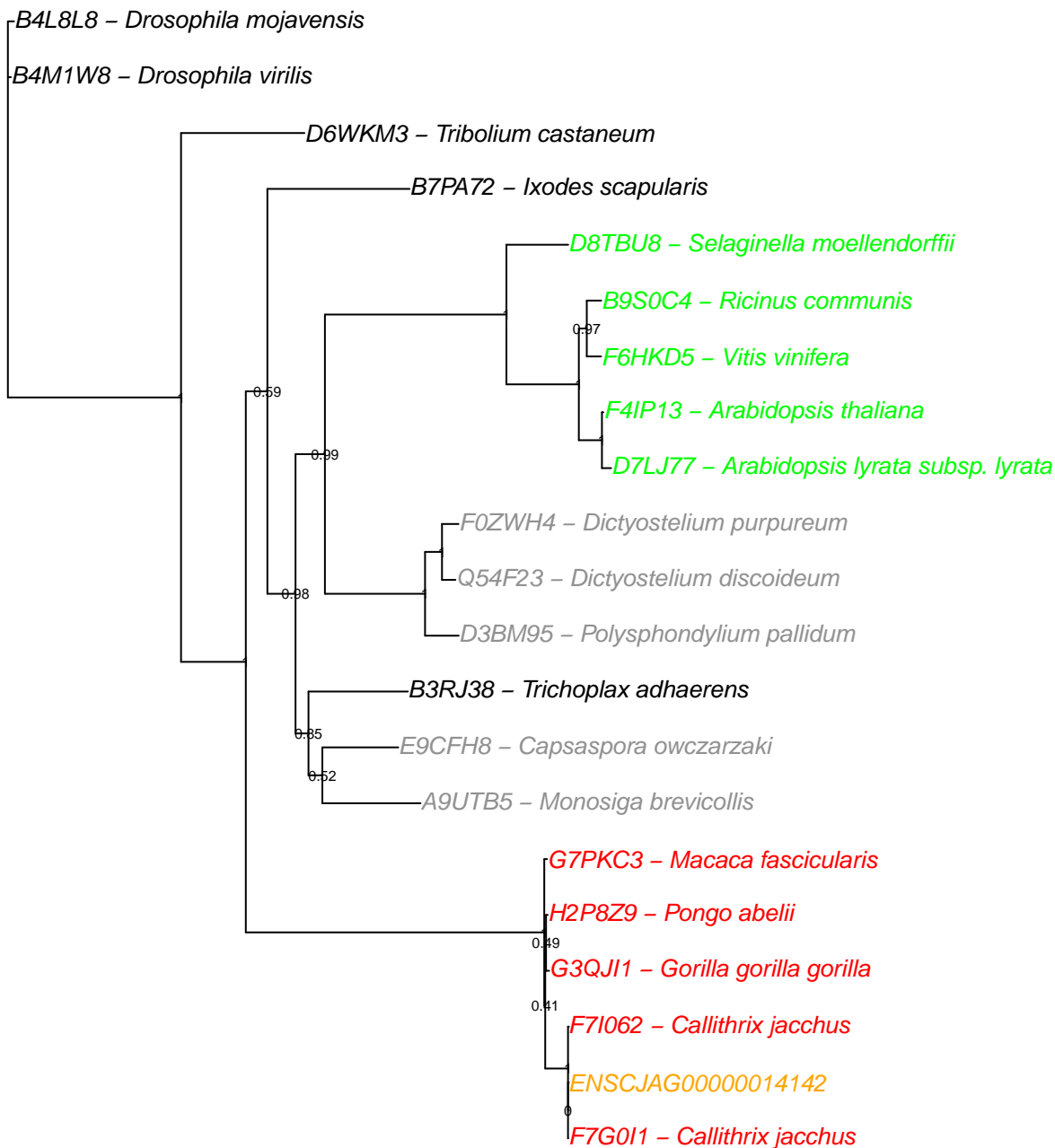
—B8EEA1 – *Shewanella baltica*

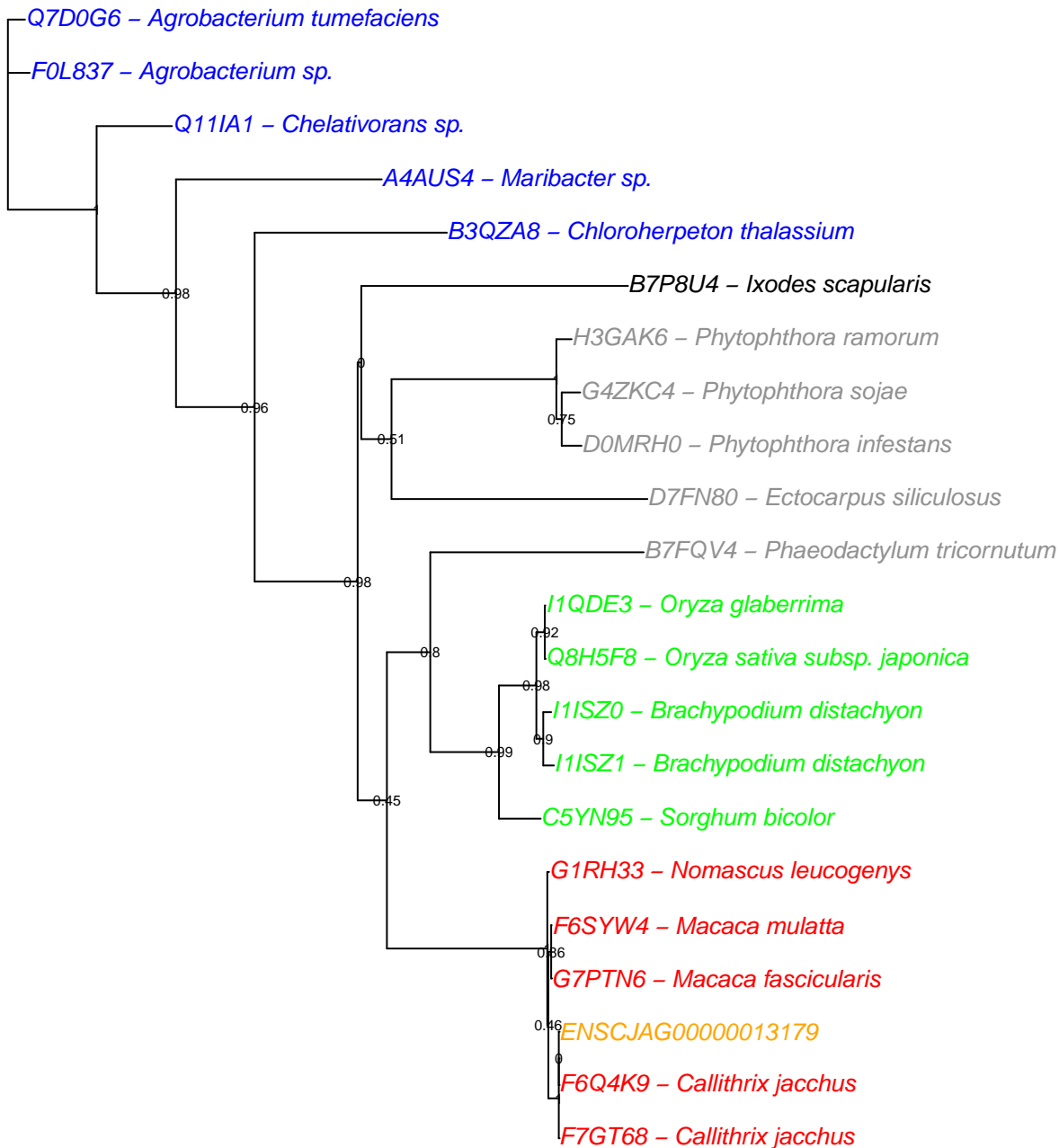
-C5KZC4 – *Perkinsus marinus*

-E3MML6 – *Caenorhabditis remanei*

-E3MAM6 – *Caenorhabditis remanei*

-D8LB94 – *Ectocarpus siliculosus*





D0A993 – *Trypanosoma brucei gambiense*

Q382W2 – *Trypanosoma brucei brucei*

I1K556 – *Glycine max*

F6HGI2 – *Vitis vinifera*

I1IN61 – *Brachypodium distachyon*

Q53PH3 – *Oryza sativa subsp. japonica*

I1QY56 – *Oryza glaberrima*

G7DYR0 – *Mixia osmundae*

G1X928 – *Arthrobotrys oligospora*

F4PM93 – *Dictyostelium fasciculatum*

D3BBP0 – *Polysphondylium pallidum*

H6C2B3 – *Exophiala dermatitidis*

H1V2S5 – *Colletotrichum higginsianum*

E3Q8C5 – *Colletotrichum graminicola*

H2XG72 – *Caenorhabditis japonica*

G0MK27 – *Caenorhabditis brenneri*

G4LV31 – *Schistosoma mansoni*

G7YLN4 – *Clonorchis sinensis*

ENSCJAG00000013030

F7EU17 – *Callithrix jacchus*

F7F768 – *Callithrix jacchus*

H2R3V8 – *Pan troglodytes*

Q96EP1 – *Homo sapiens*

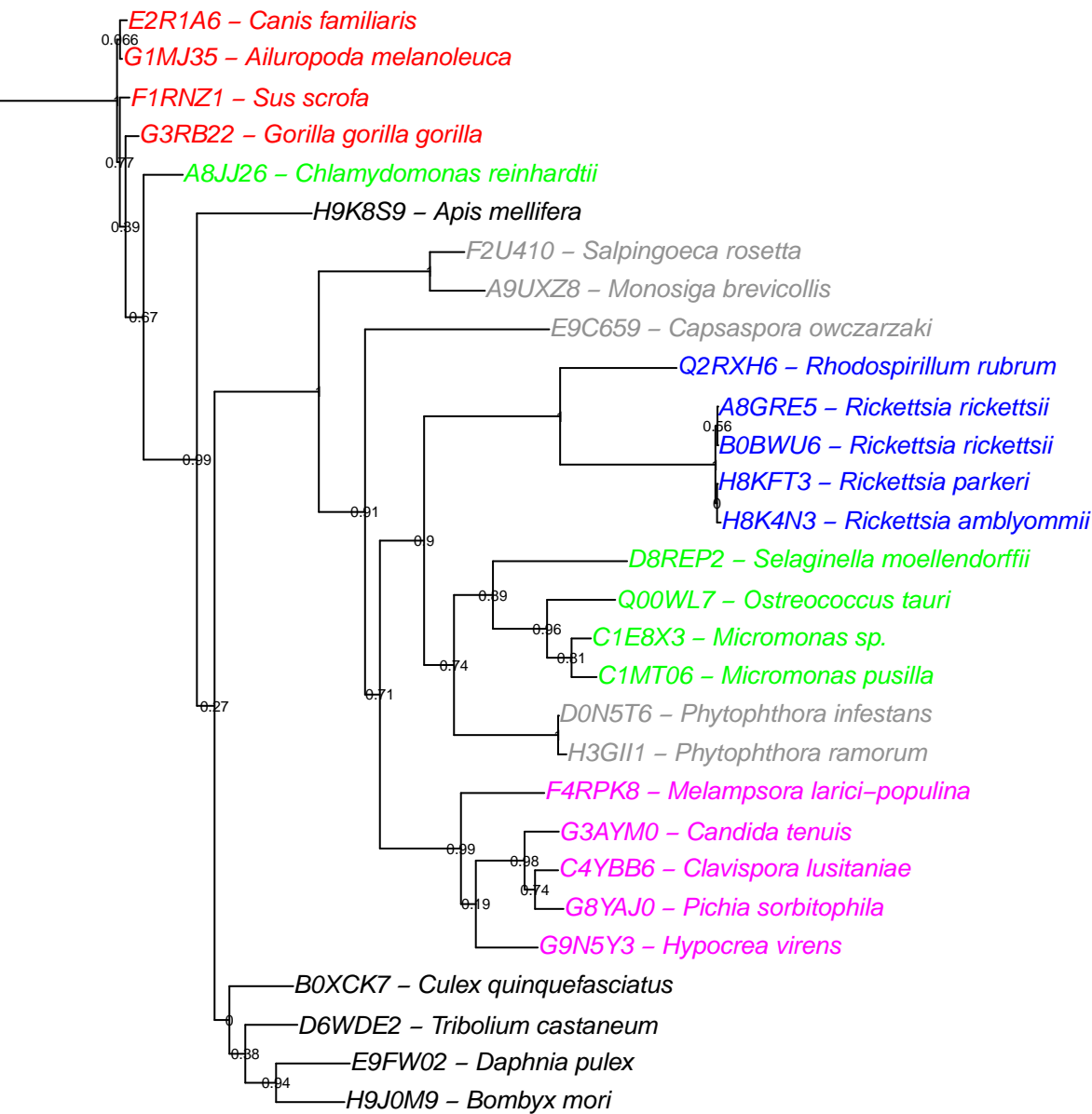
Q5RF77 – *Pongo abelii*

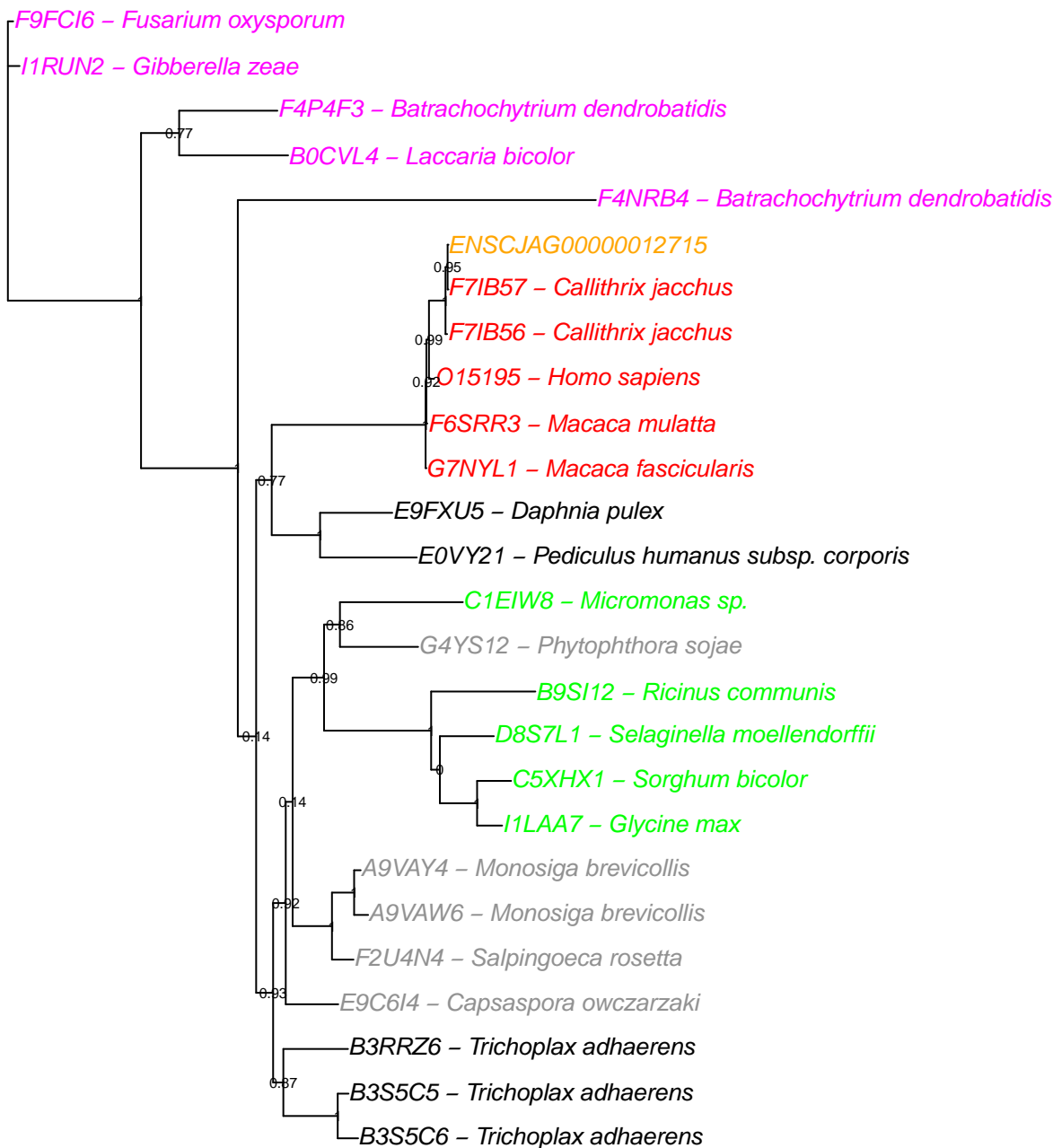
B3S4K2 – *Trichoplax adhaerens*

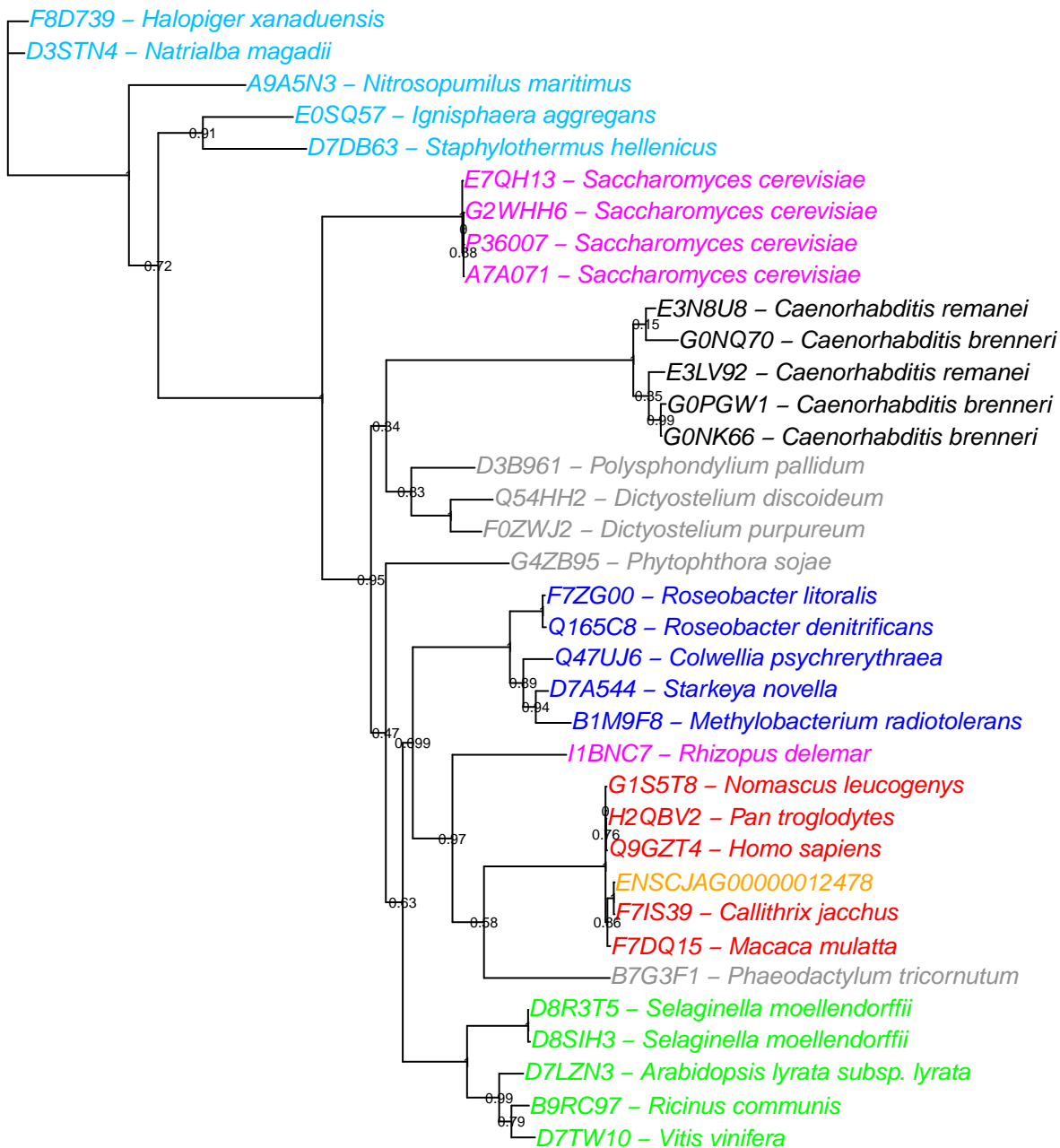
E9CE72 – *Capsaspora owczarzaki*

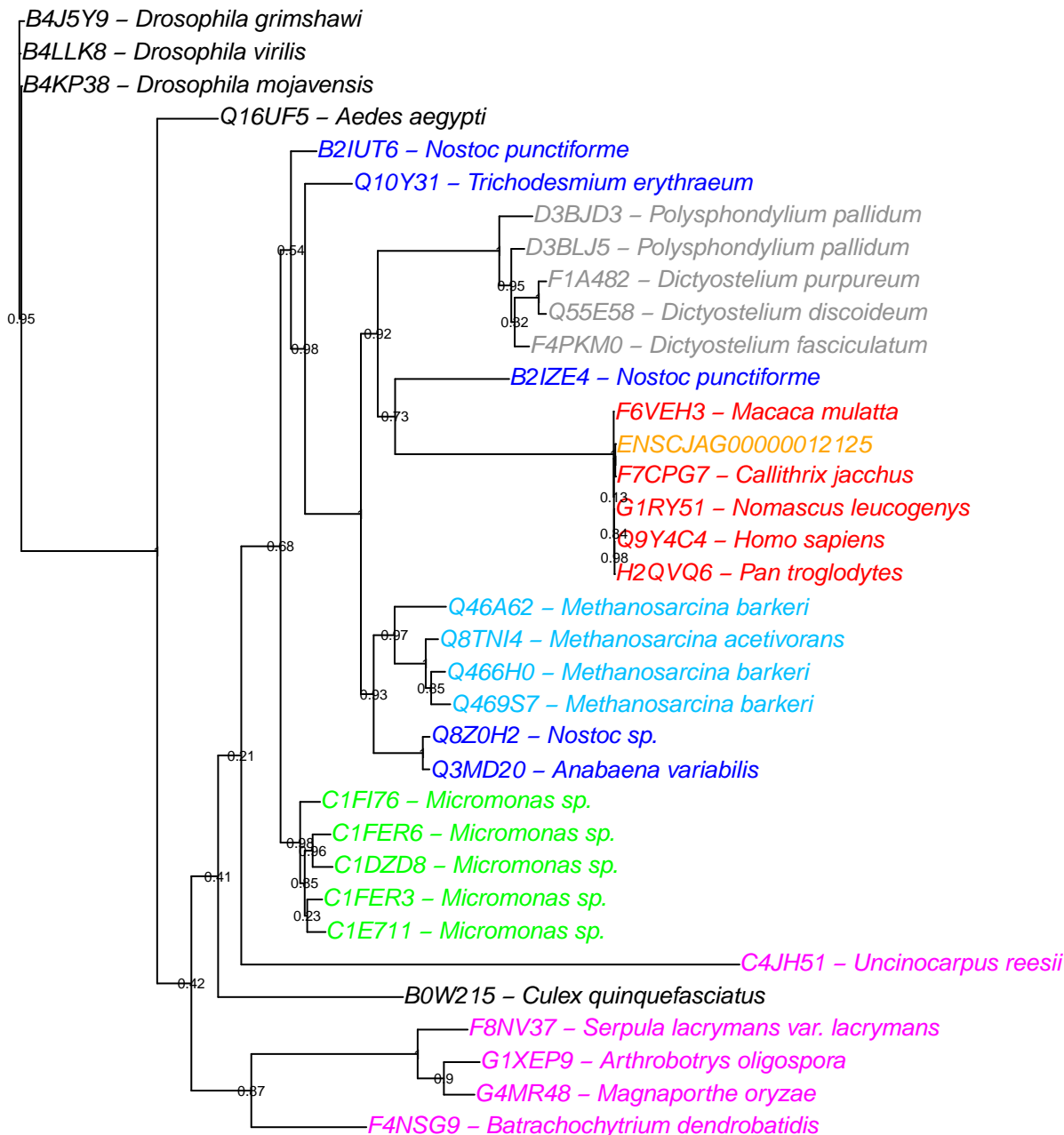
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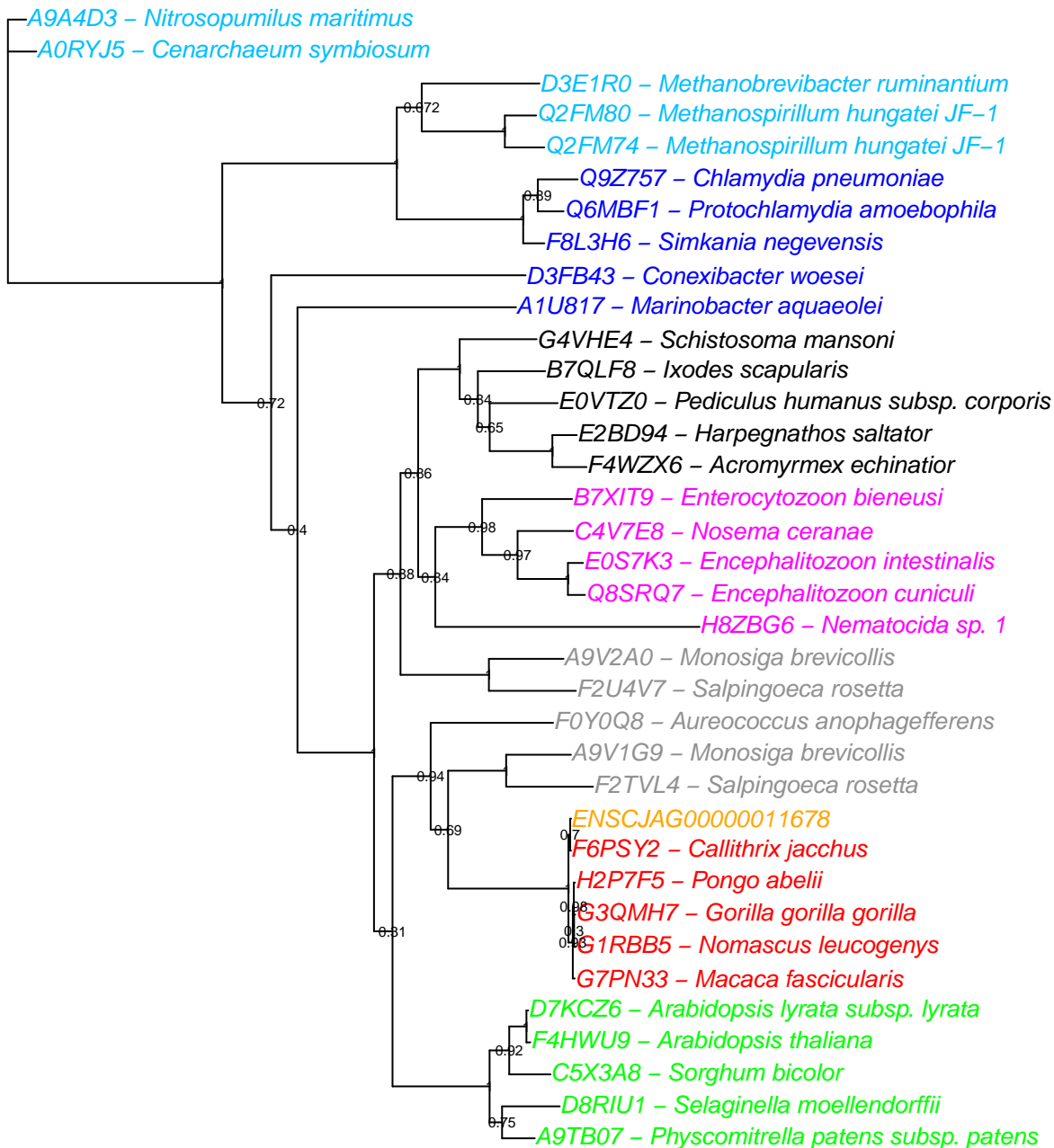
F7INR1 – *Callithrix jacchus*











Q28WZ1 – *Drosophila pseudoobscura pseudoobscura*

B4HBE5 – *Drosophila persimilis*

G1R140 – *Nomascus leucogenys*

H2R734 – *Pan troglodytes*

Q9BZR6 – *Homo sapiens*

H7C0V4 – *Homo sapiens*

ENSCJAG00000010718

F6WYC7 – *Callithrix jacchus*

H9IT08 – *Bombyx mori*

G6D879 – *Danaus plexippus*

B3RMC8 – *Trichoplax adhaerens*

B2IXB5 – *Nostoc punctiforme*

Q8Z0H2 – *Nostoc* sp.

Q3MD20 – *Anabaena variabilis*

C1DZD8 – *Micromonas* sp.

C1FHV9 – *Micromonas* sp.

C1FER3 – *Micromonas* sp.

Q7XH49 – *Oryza sativa* subsp. *japonica*

F6HK89 – *Vitis vinifera*

B4U180 – *Streptococcus equi* subsp. *zooepidemicus*

C5WIY1 – *Streptococcus dysgalactiae* subsp. *equisimilis*

E9C7Y0 – *Capsaspora owczarzaki*

E9CIL4 – *Capsaspora owczarzaki*

E9CIK9 – *Capsaspora owczarzaki*

E9CJE9 – *Capsaspora owczarzaki*

E9C6Z1 – *Capsaspora owczarzaki*

B4GCV2 – *Drosophila persimilis*

B5E066 – *Drosophila pseudoobscura pseudoobscura*

Q21376 – *Caenorhabditis elegans*

A8XJG0 – *Caenorhabditis briggsae*

D8TJI2 – *Volvox carteri*

D8TSH9 – *Volvox carteri*

A8ISJ6 – *Chlamydomonas reinhardtii*

Q9ATG5 – *Chlamydomonas reinhardtii*

D8TXL4 – *Volvox carteri*

ENSCJAG00000010294

F7GPX9 – *Callithrix jacchus*

G3QSM2 – *Gorilla gorilla gorilla*

Q6UWY0 – *Homo sapiens*

G1RV90 – *Nomascus leucogenys*

H2PG43 – *Pongo abelii*

F0YQG0 – *Aureococcus anophagefferens*

F0YQ66 – *Aureococcus anophagefferens*

A9V439 – *Monosiga brevicollis*

A9VDQ3 – *Monosiga brevicollis*

D8J5N0 – *Halalkalicoccus jeotgali*

D8J5M9 – *Halalkalicoccus jeotgali*

D3STT8 – *Natrialba magadii*

D2RQH7 – *Haloterrigena turkmenica*

Q7Q6L4 – *Anopheles gambiae*

D4GP88 – *Haloferax volcanii*

Q5LVA2 – *Ruegeria pomeroyi*

Q46P27 – *Cupriavidus pinatubonensis*

B2T943 – *Burkholderia phytofirmans*

E1TIK2 – *Burkholderia* sp.

Q7W424 – *Bordetella parapertussis*

A1CUI6 – *Aspergillus clavatus*

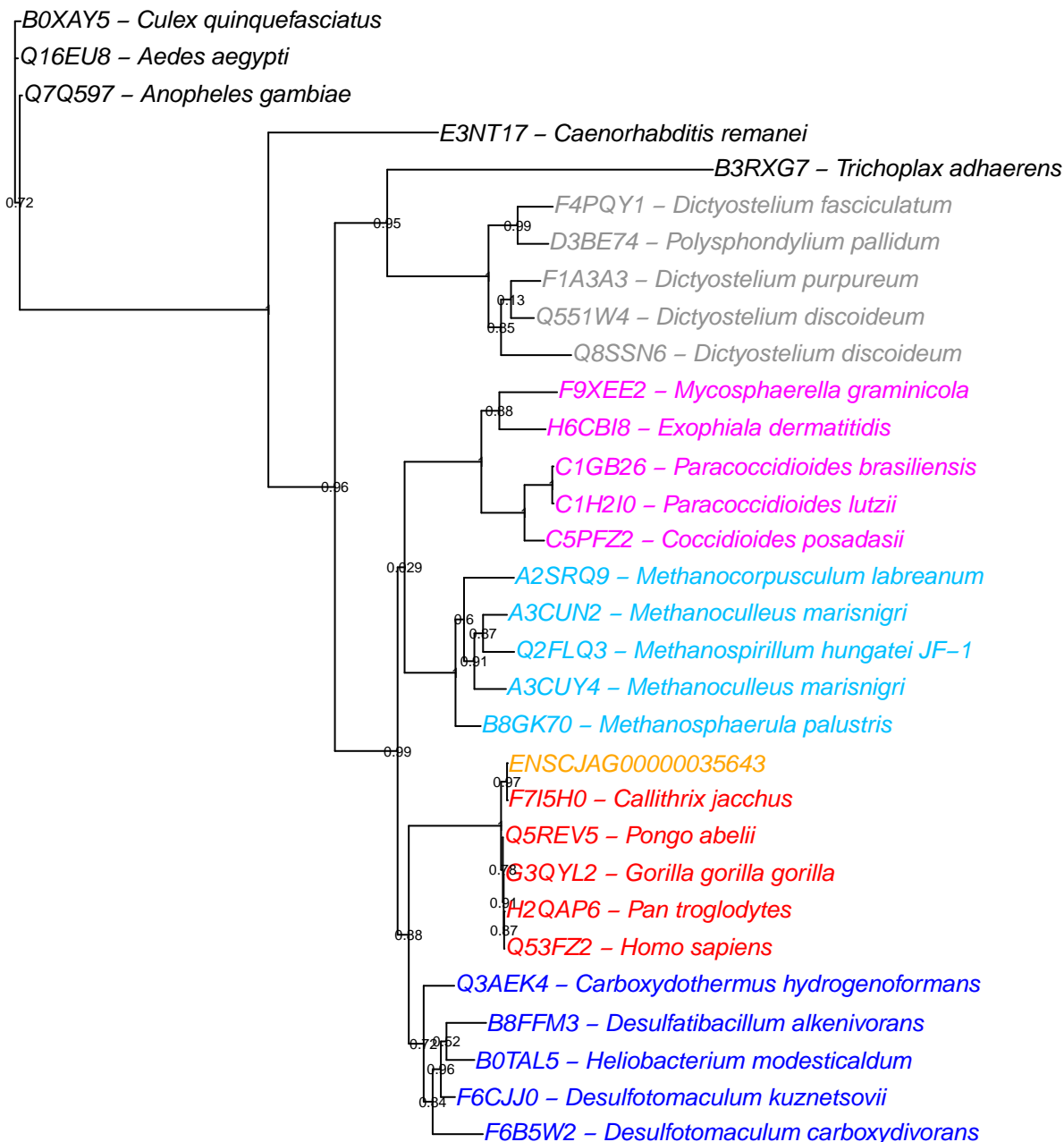
E6ZPZ4 – *Sporisorium reilianum*

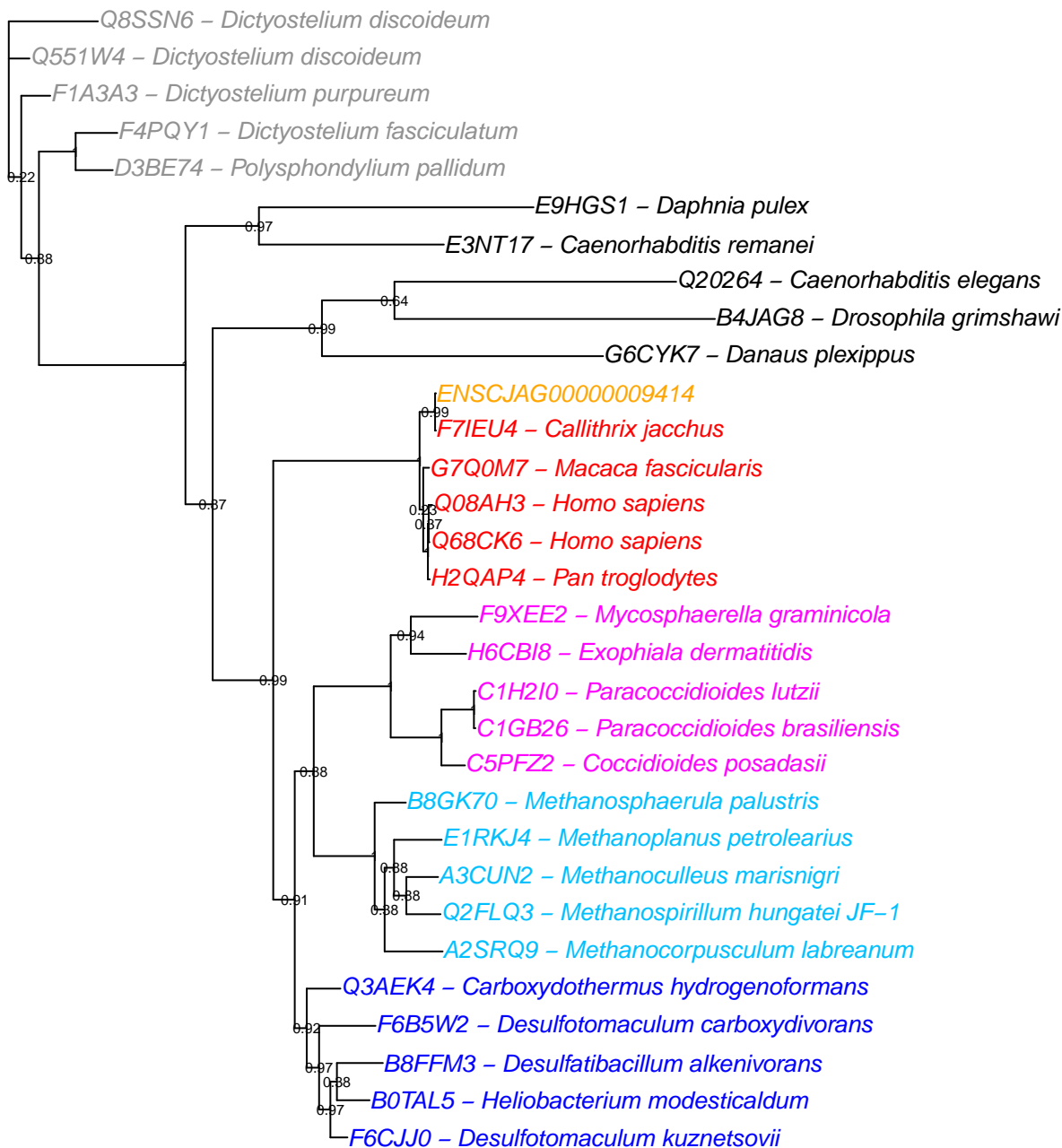
Q4P5X9 – *Ustilago maydis*

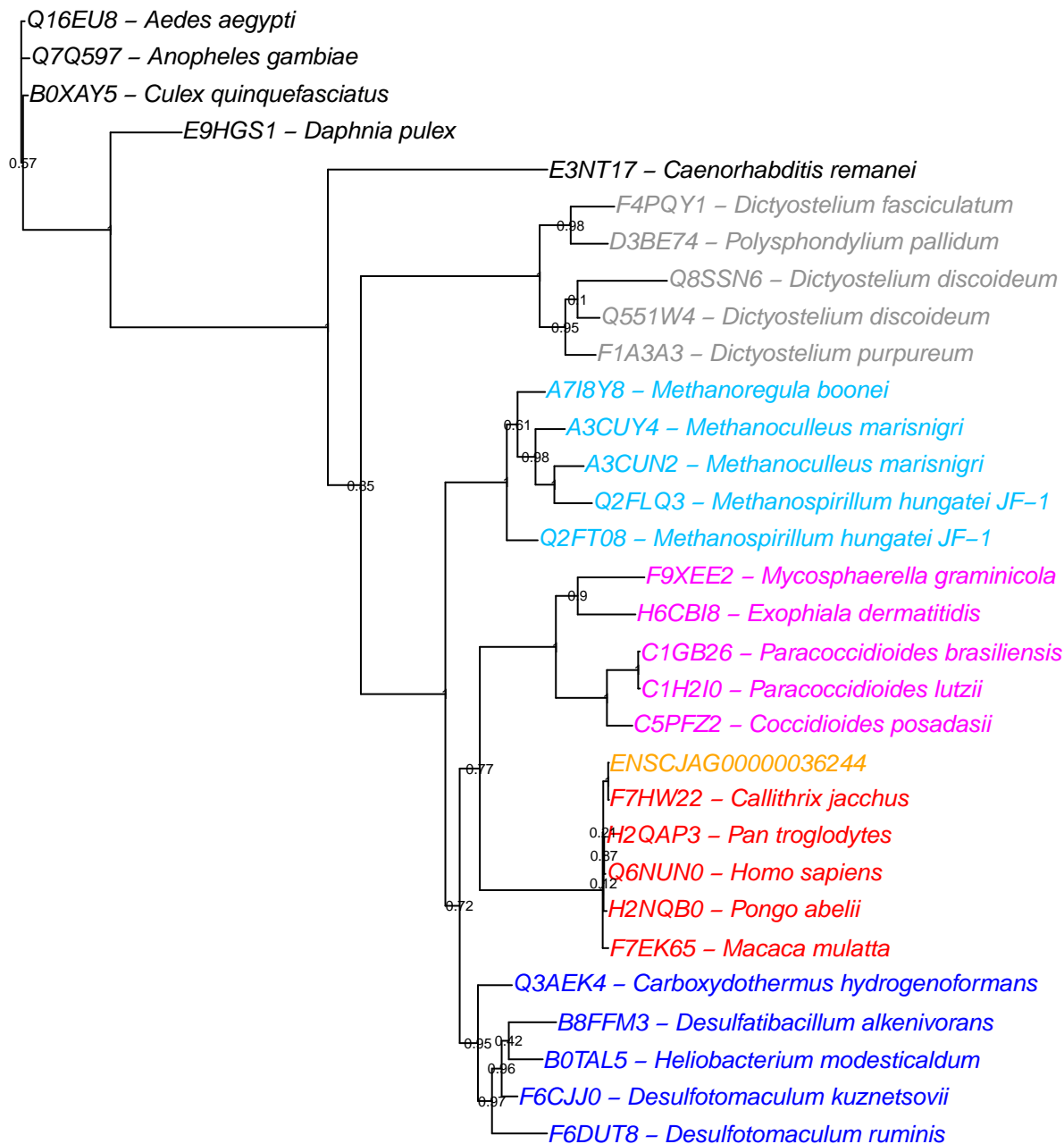
Q2HDD5 – *Chaetomium globosum*

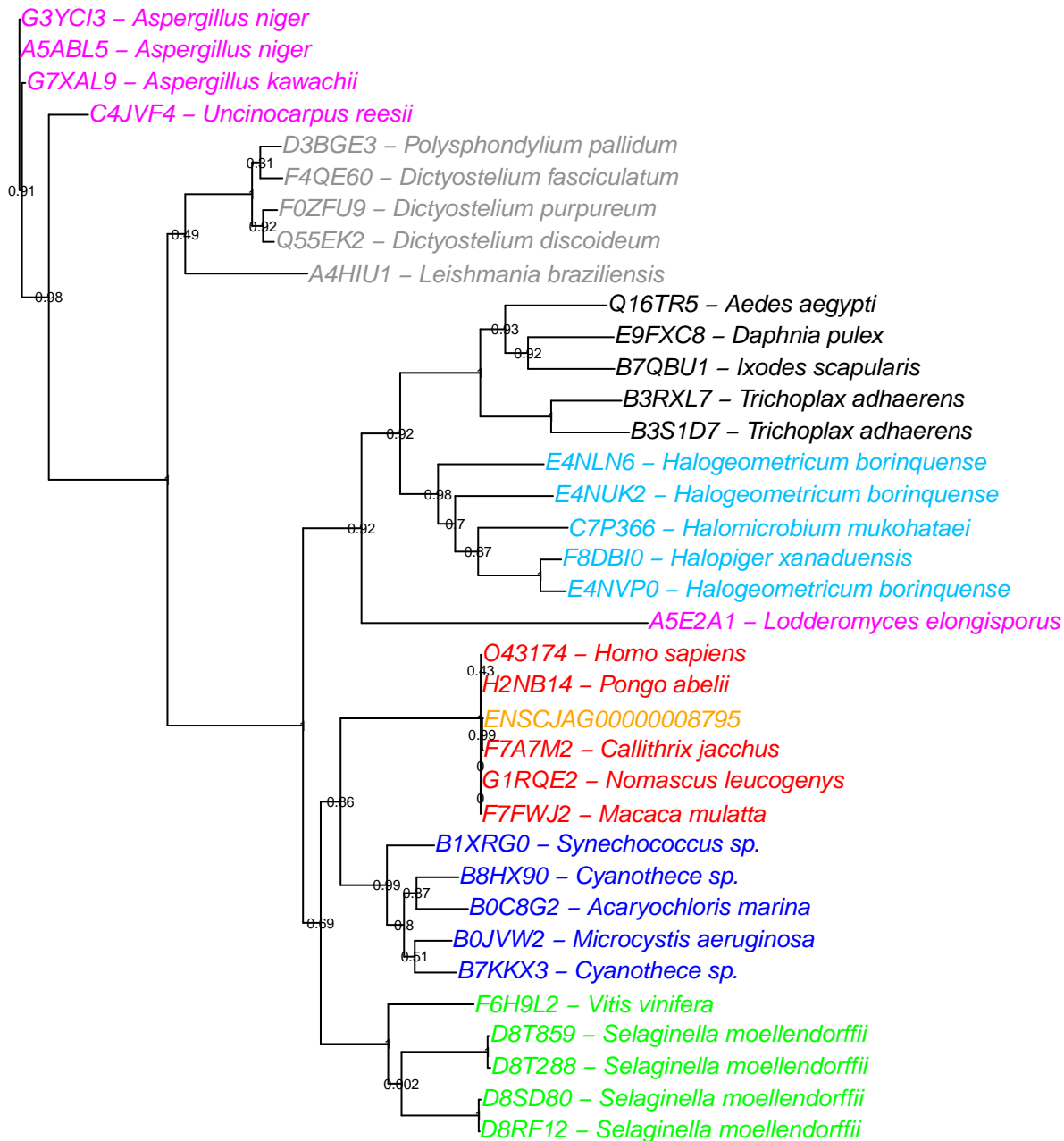
G2REM7 – *Thielavia terrestris*

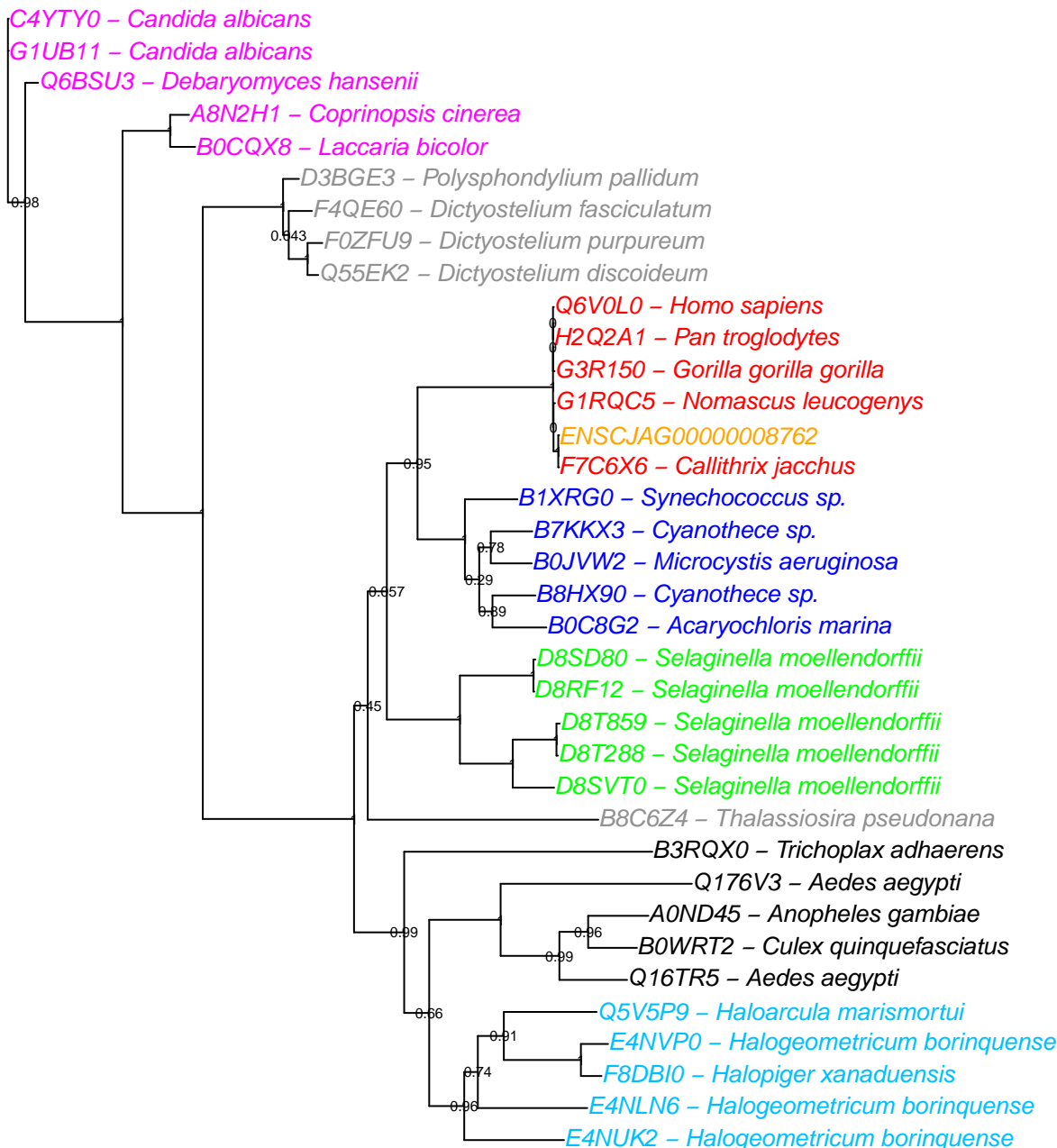
F0XZB7 – *Aureococcus anophagefferens*

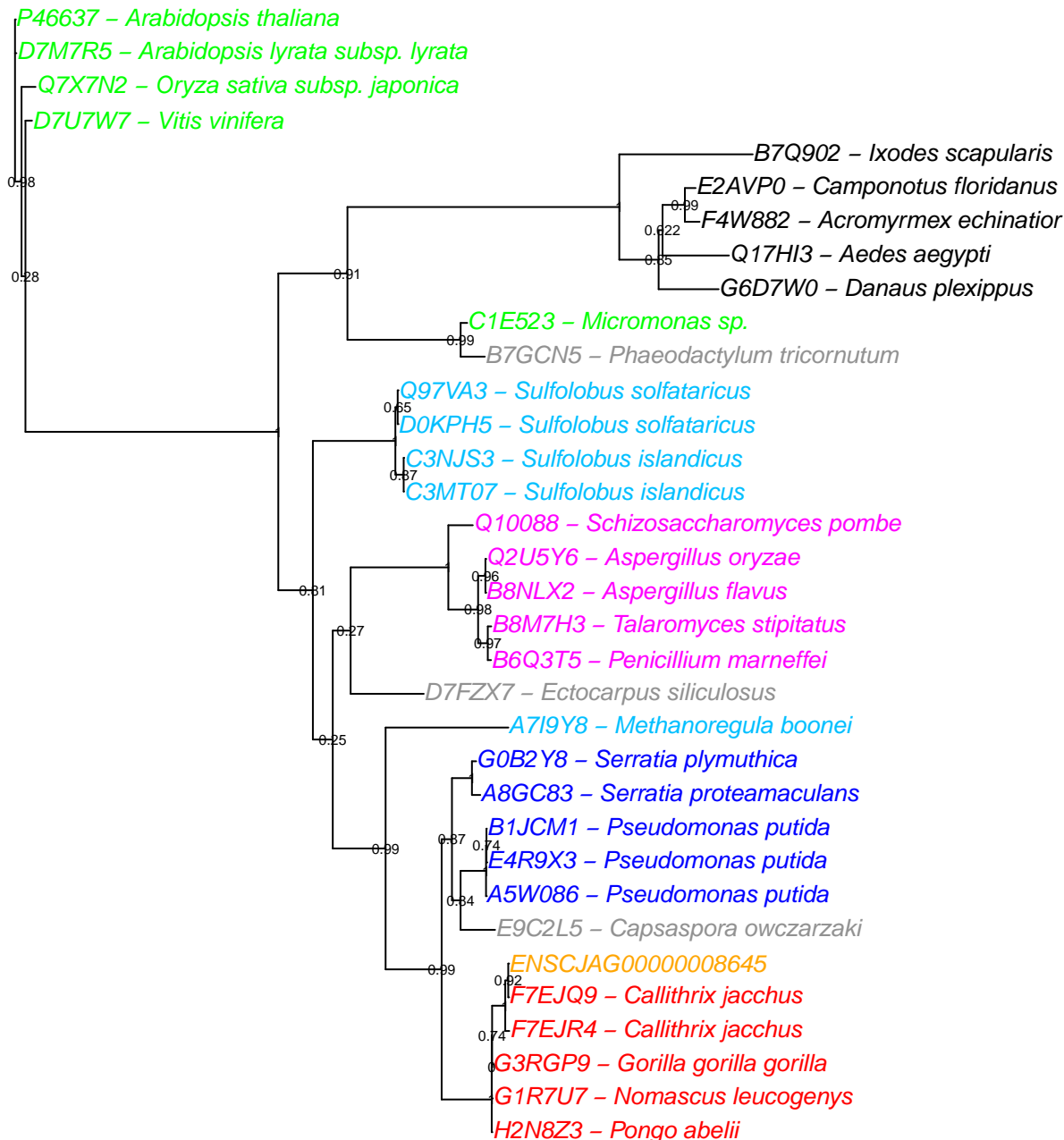


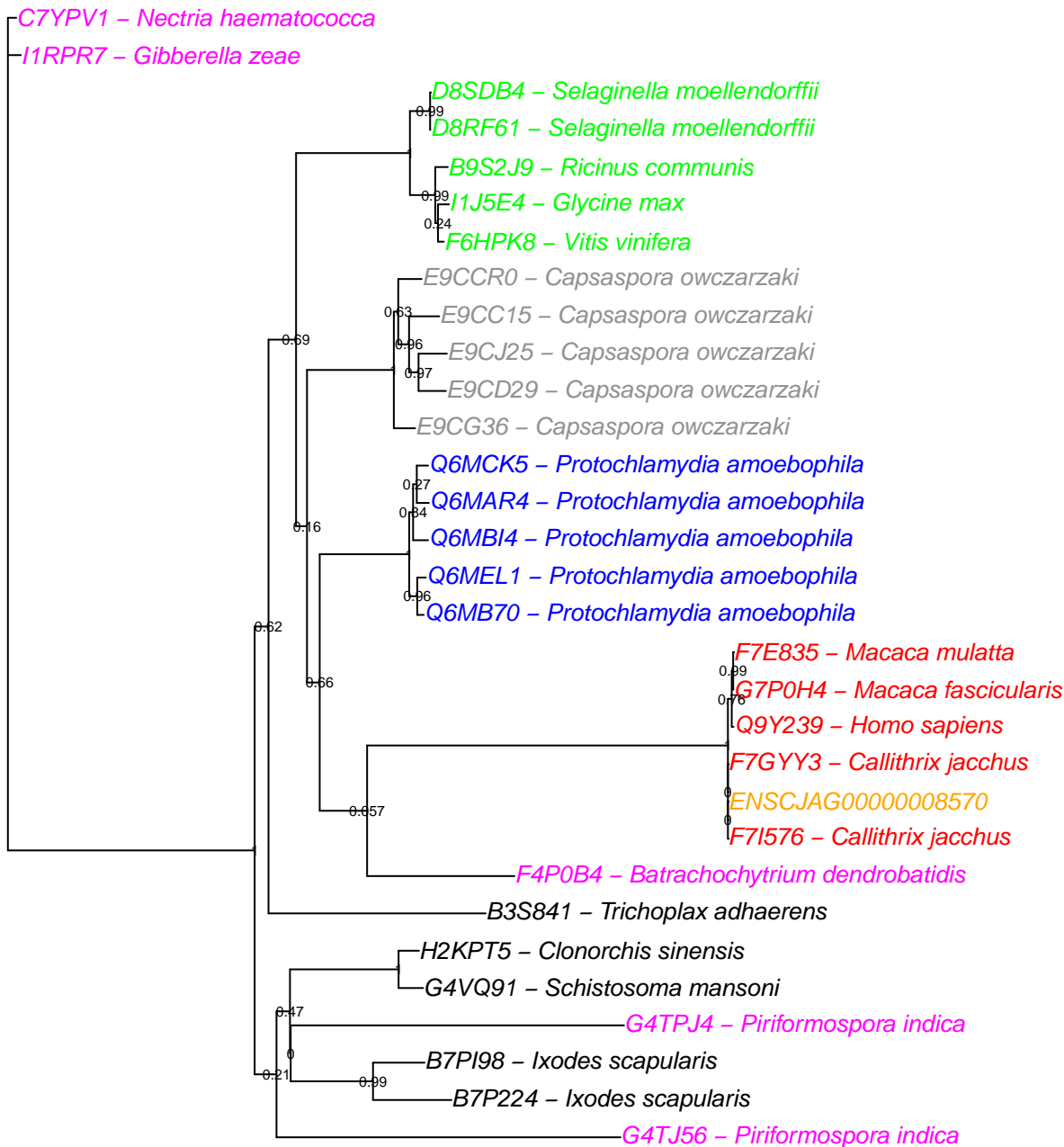


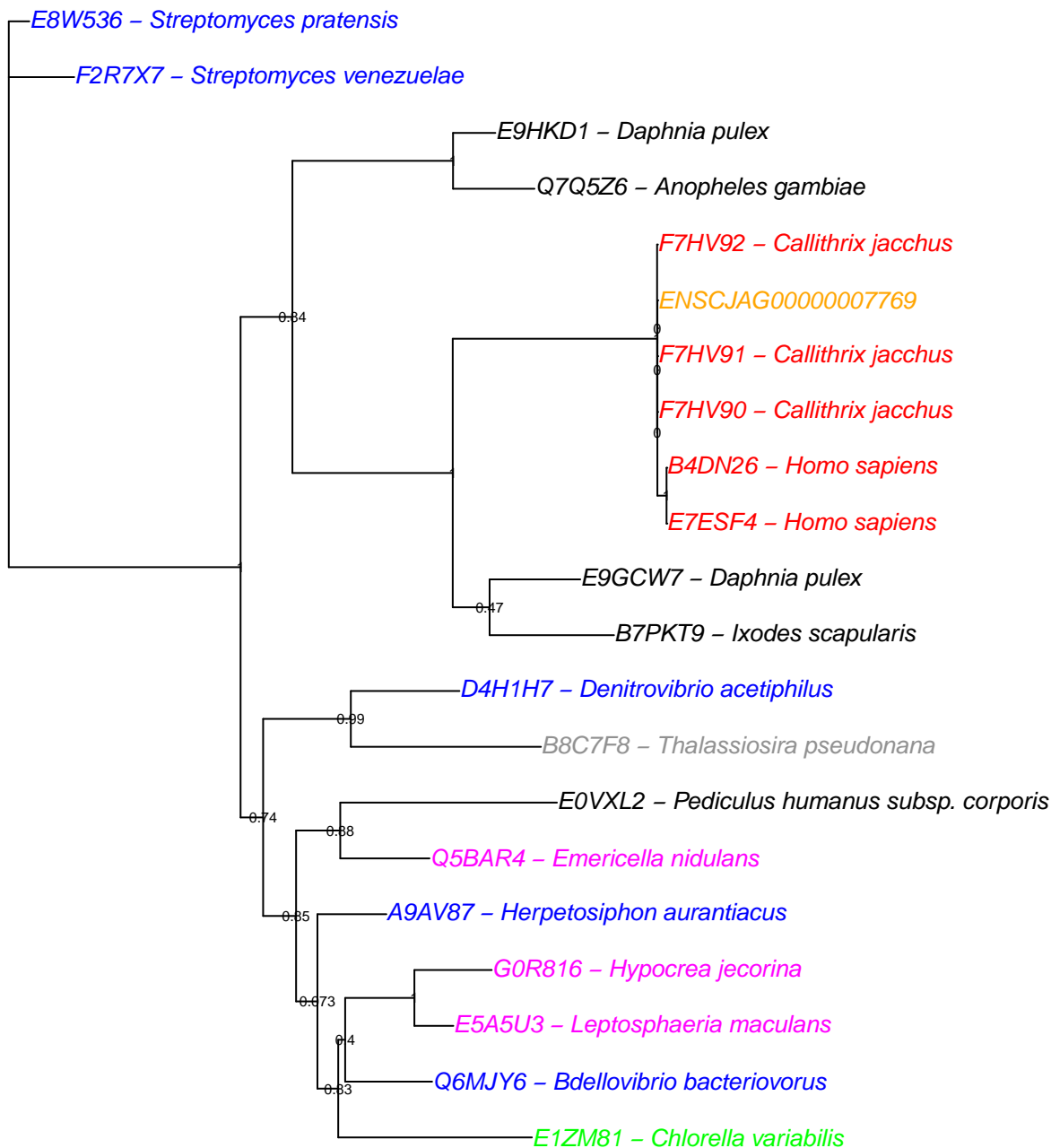


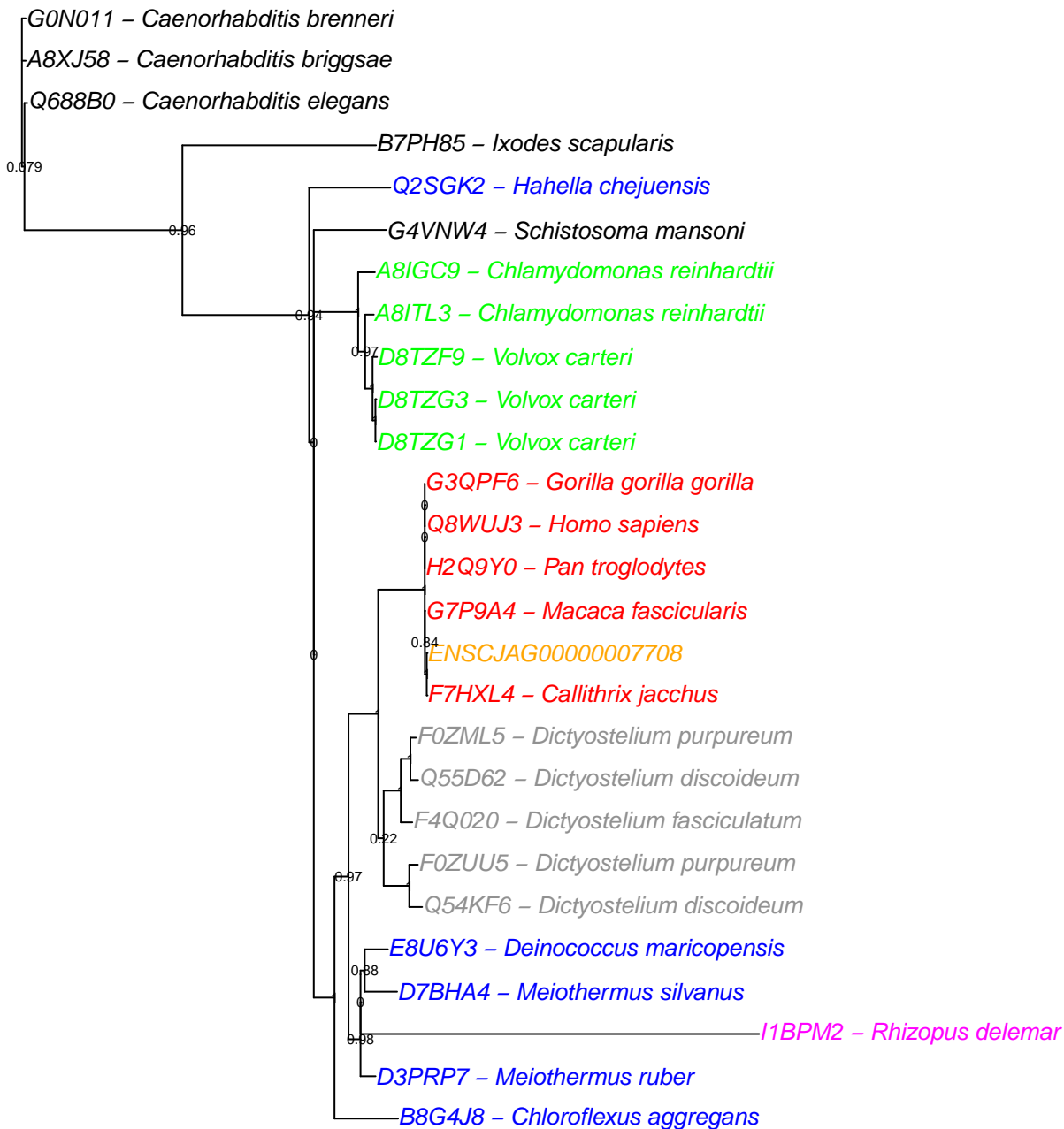


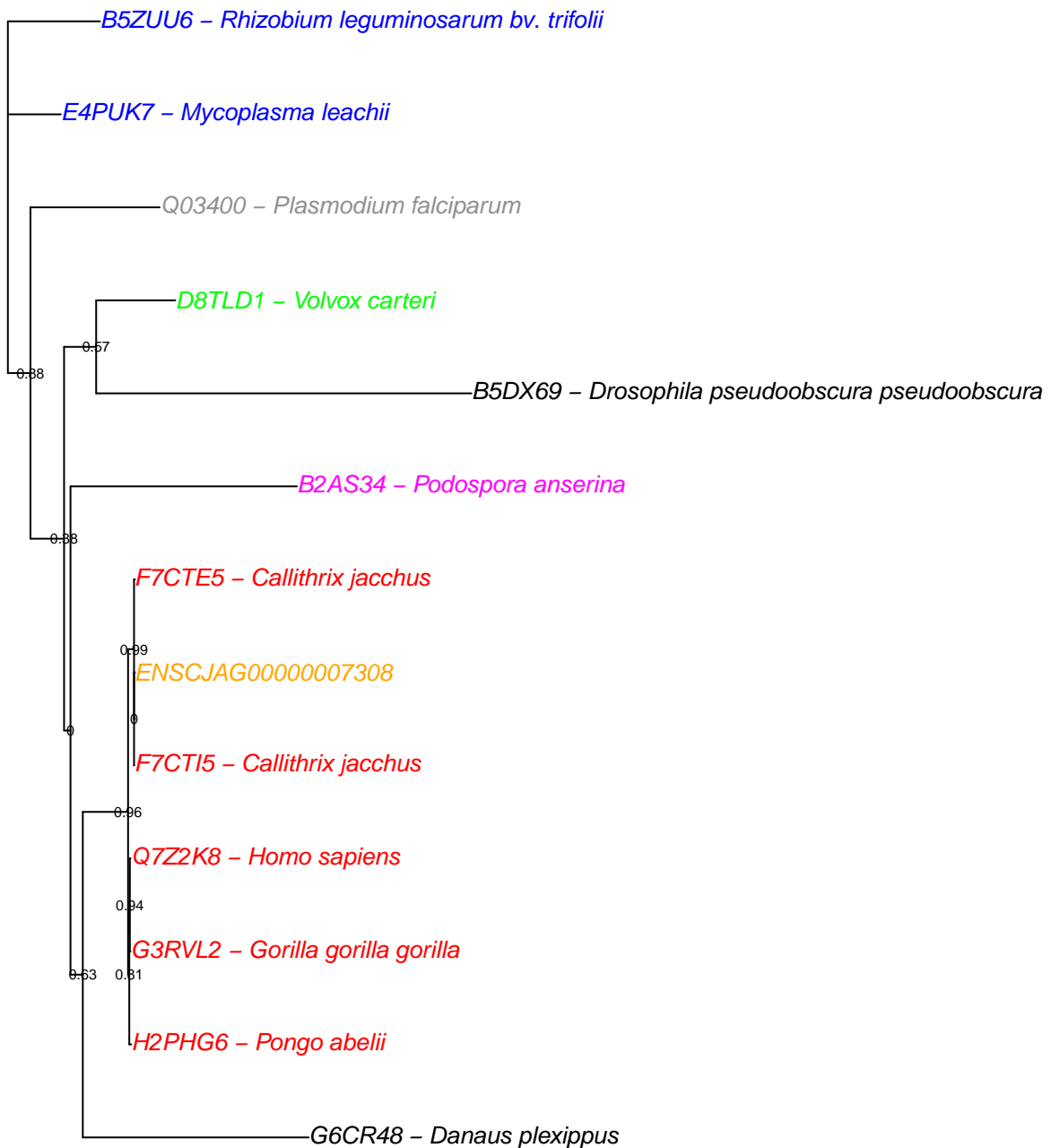


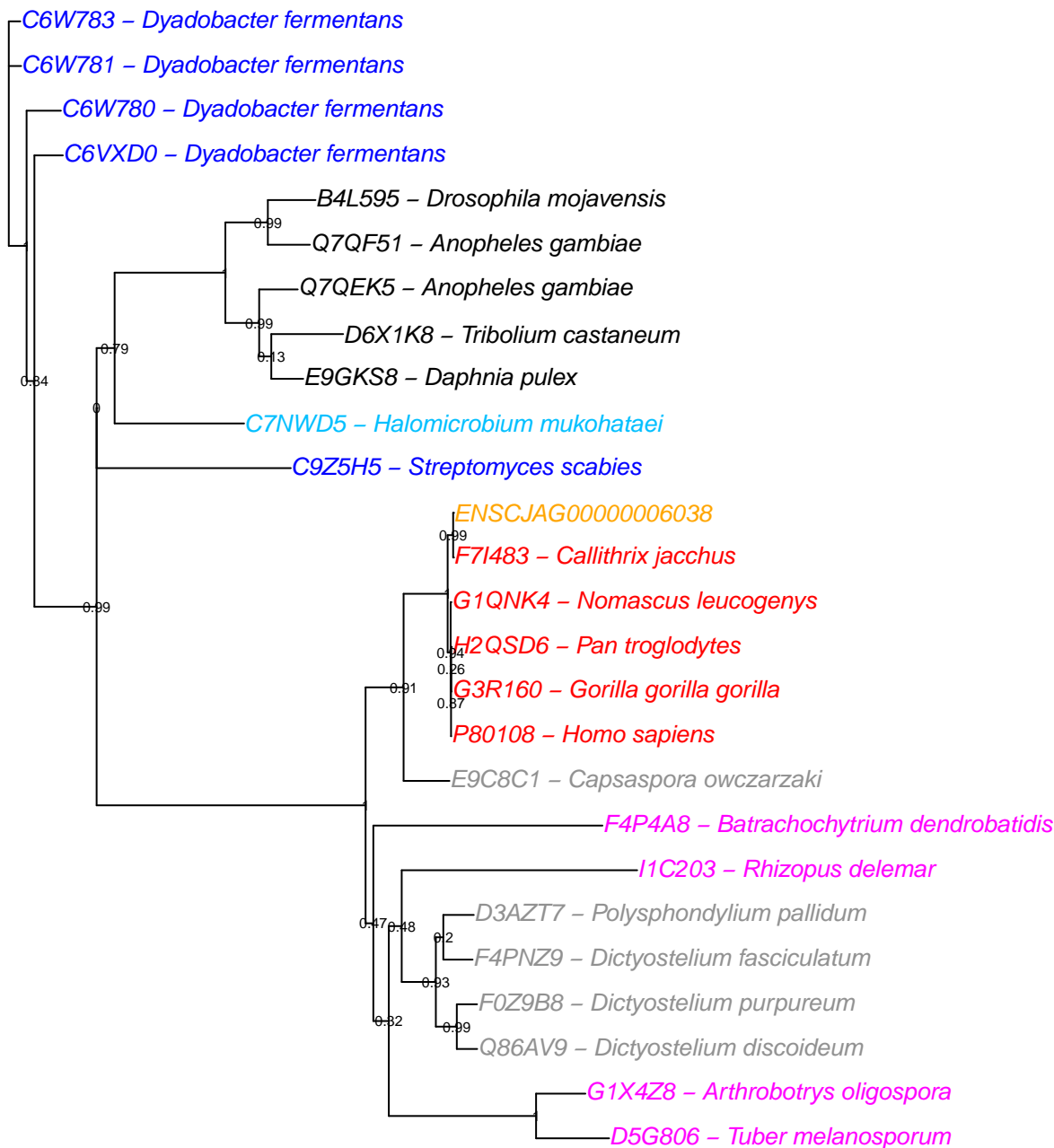


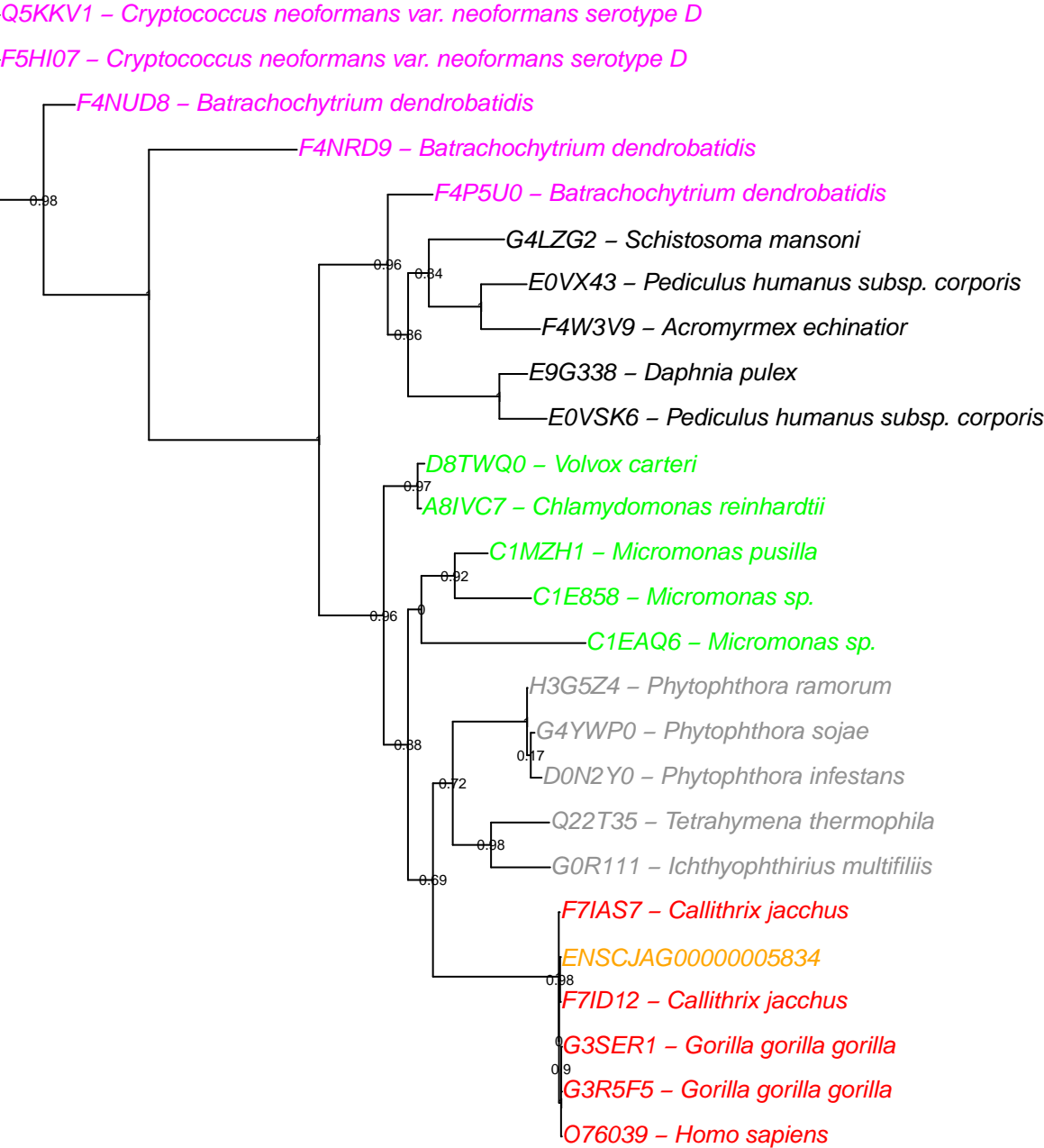


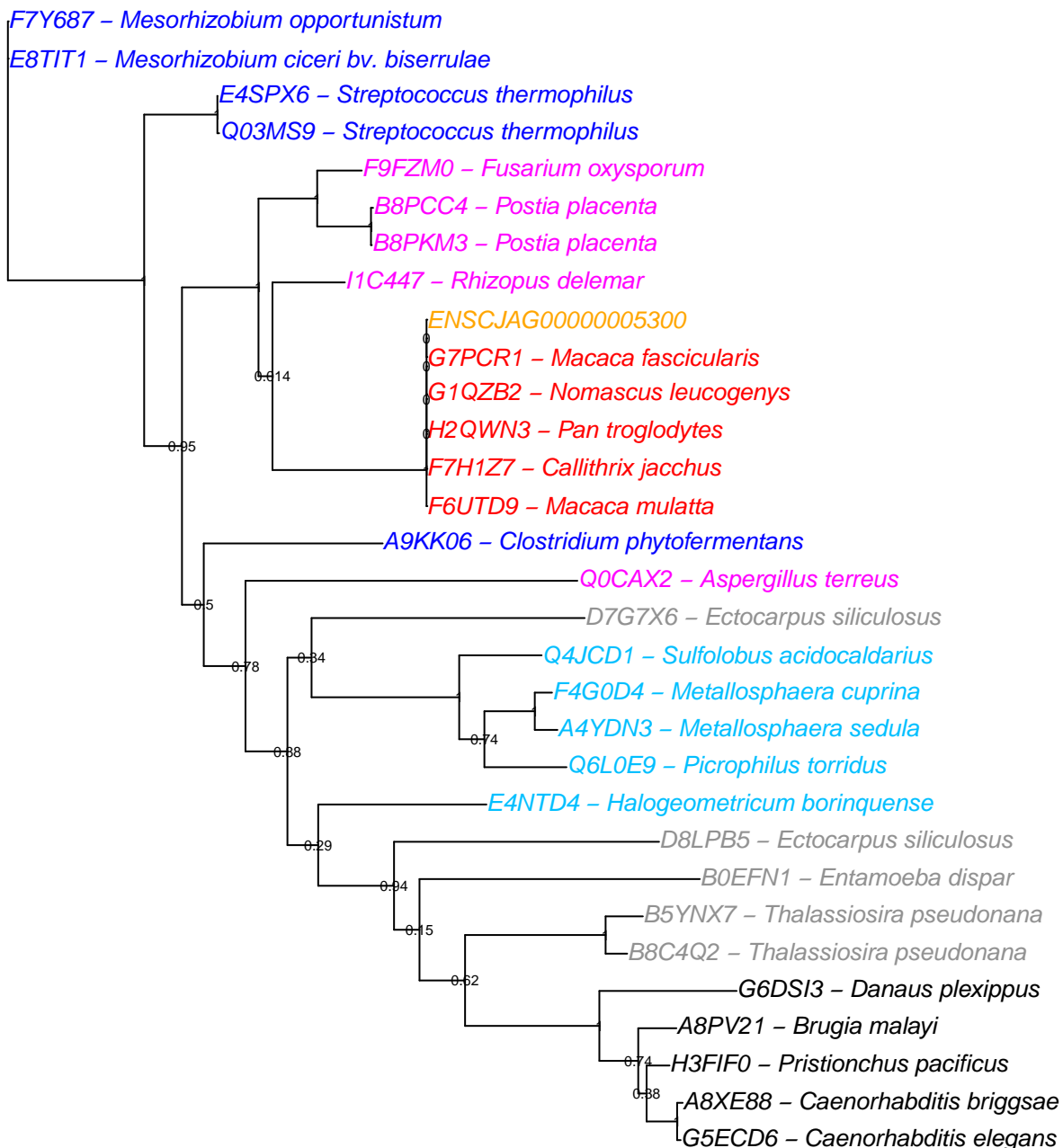


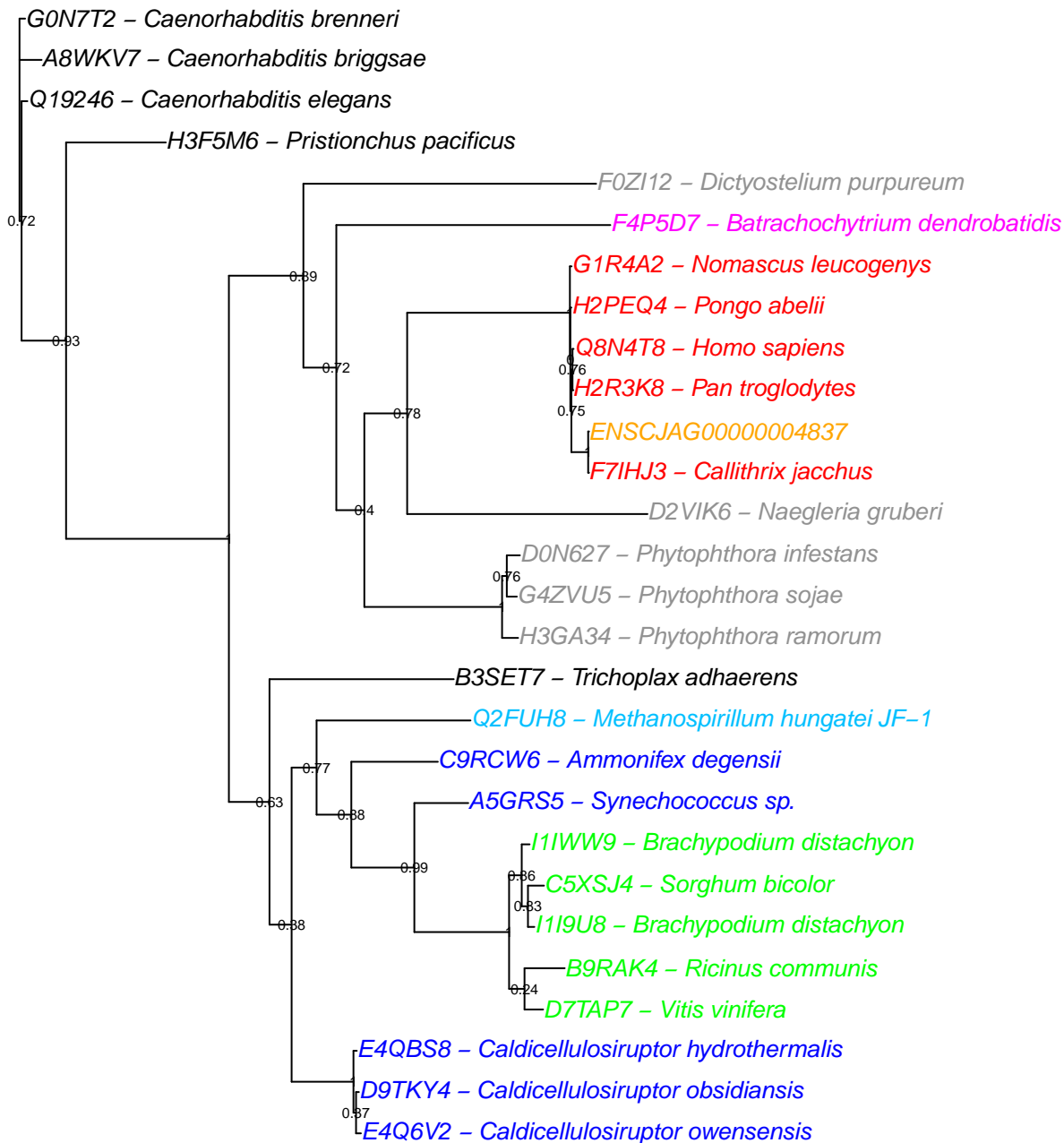


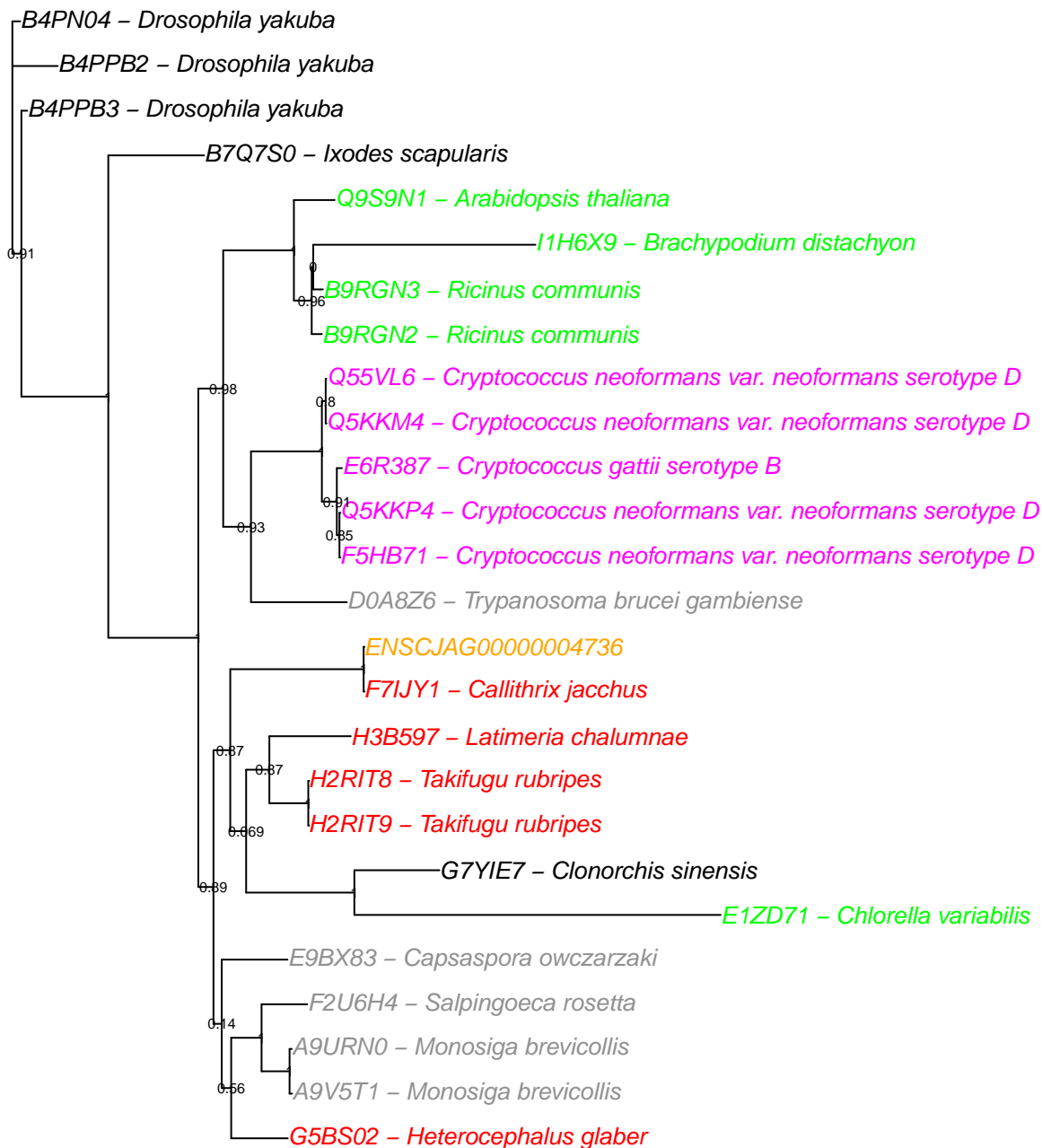


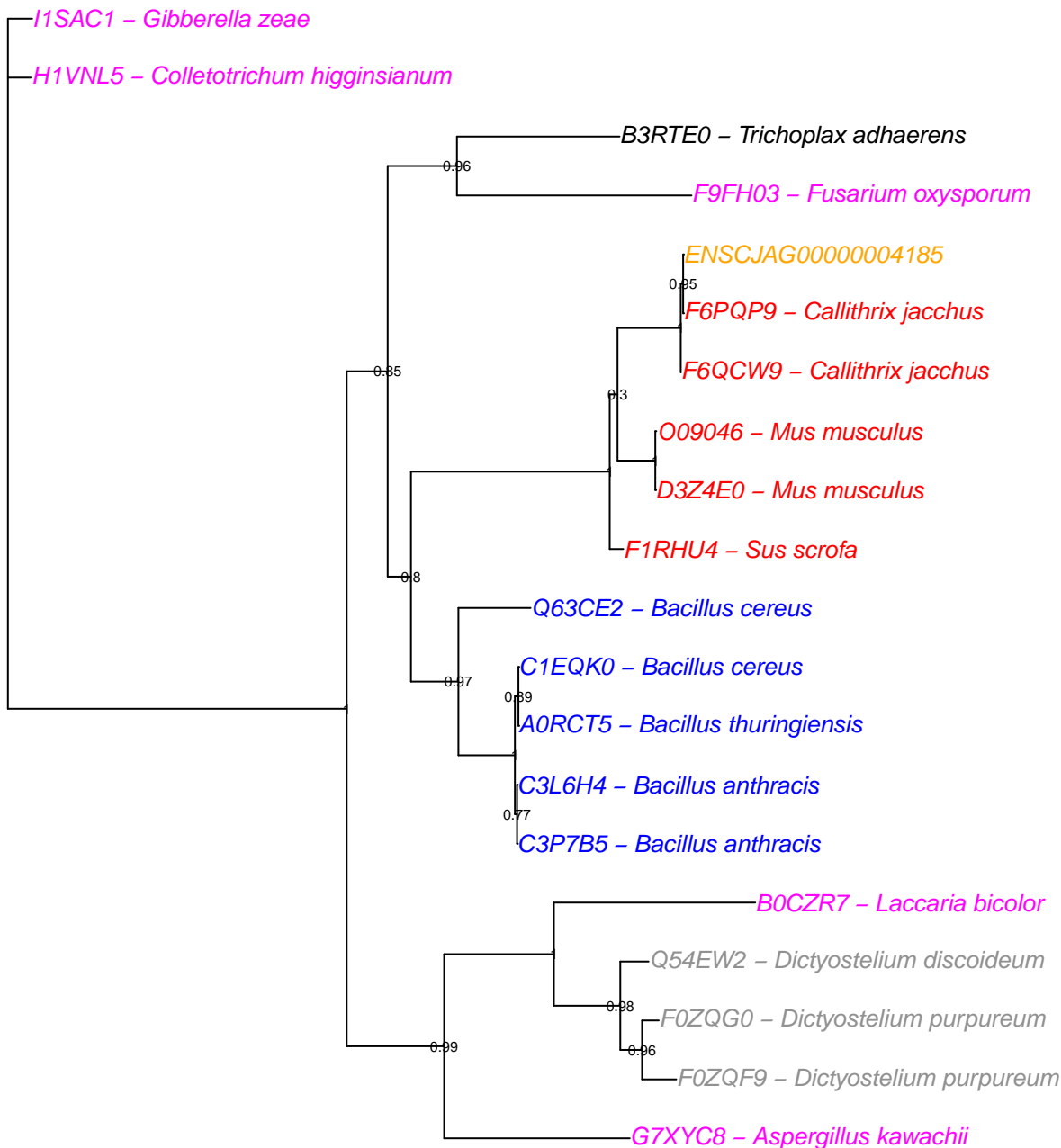






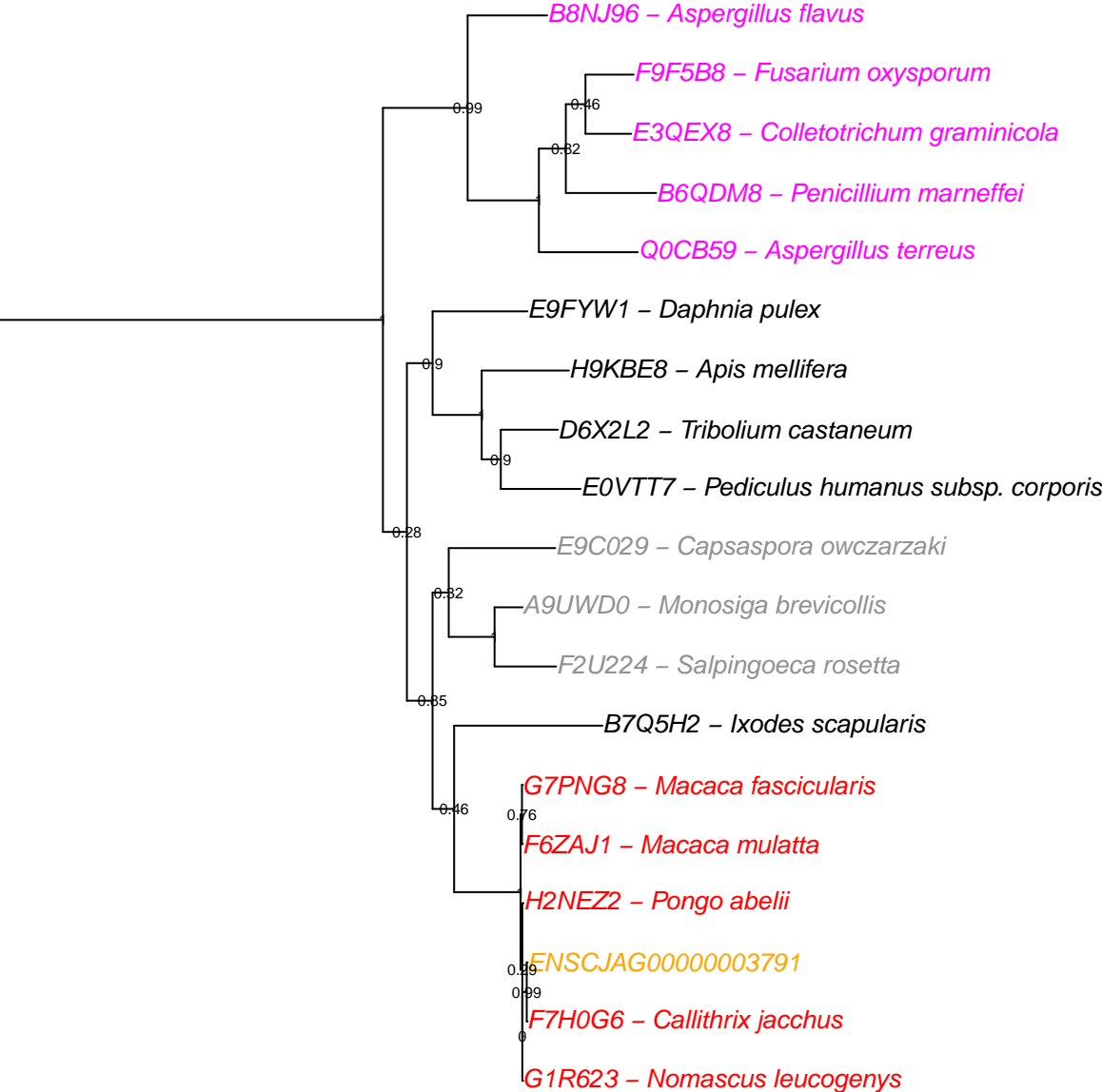


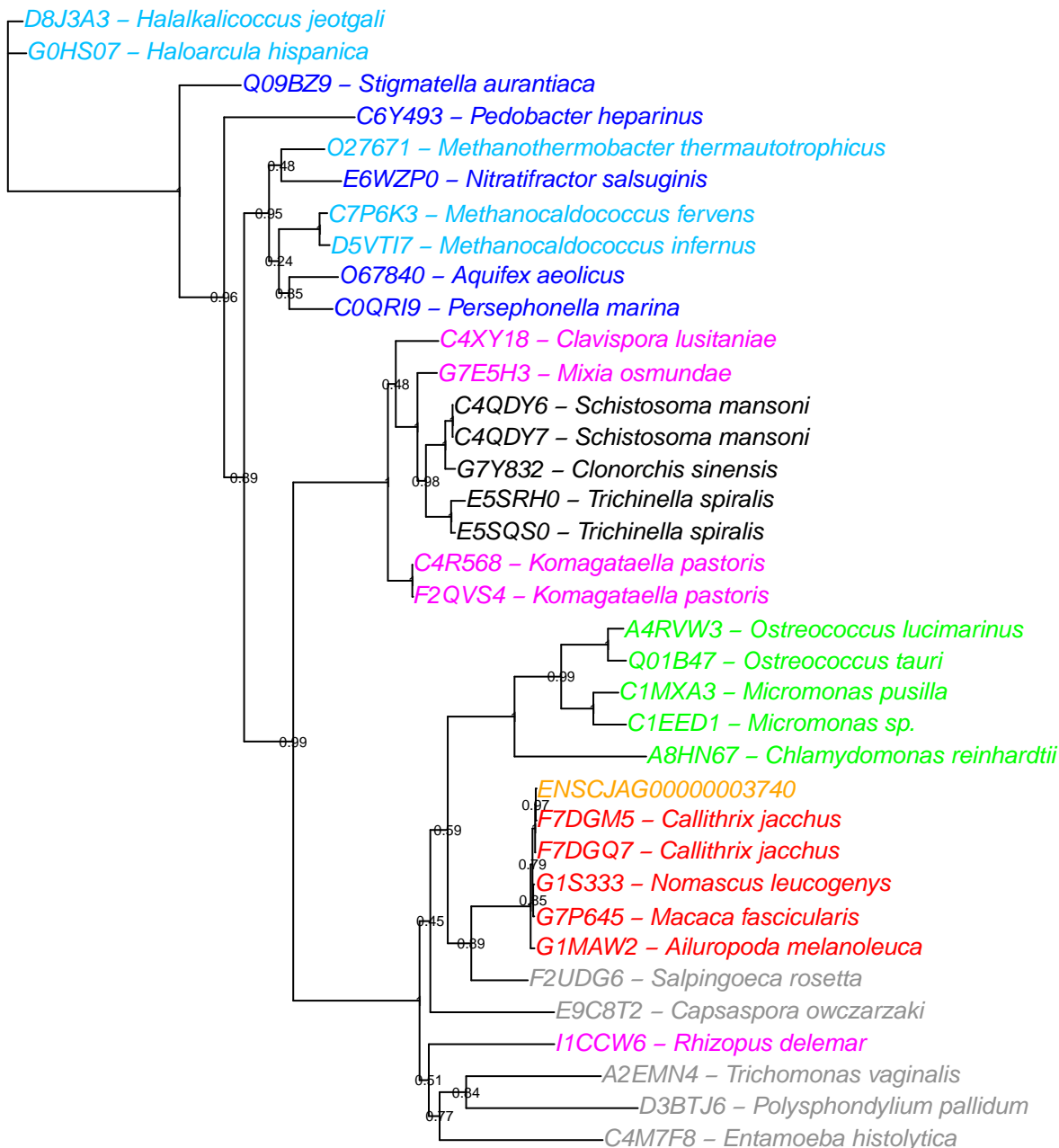


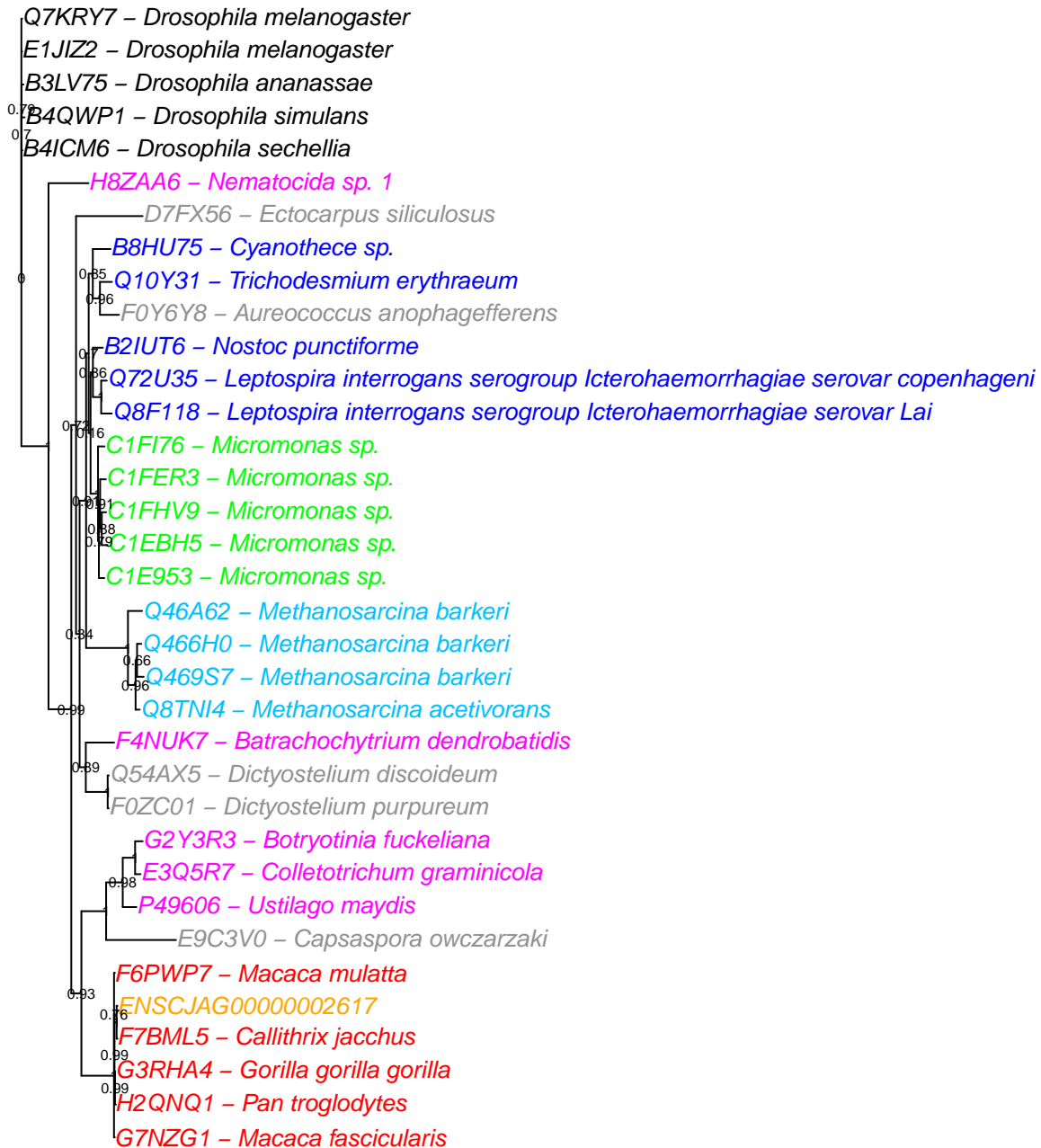


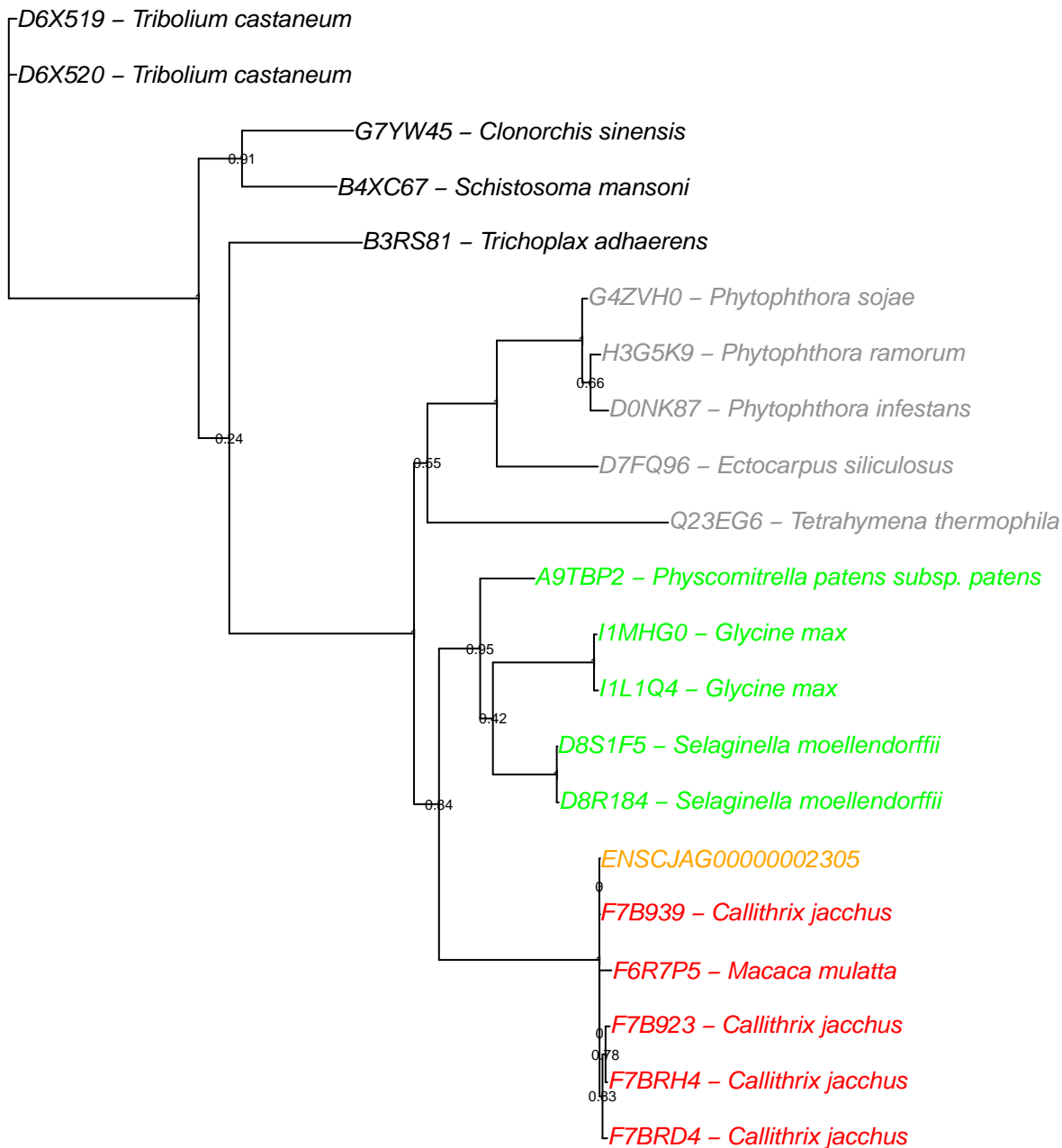
C5M1Q2 – *Perkinsus marinus*

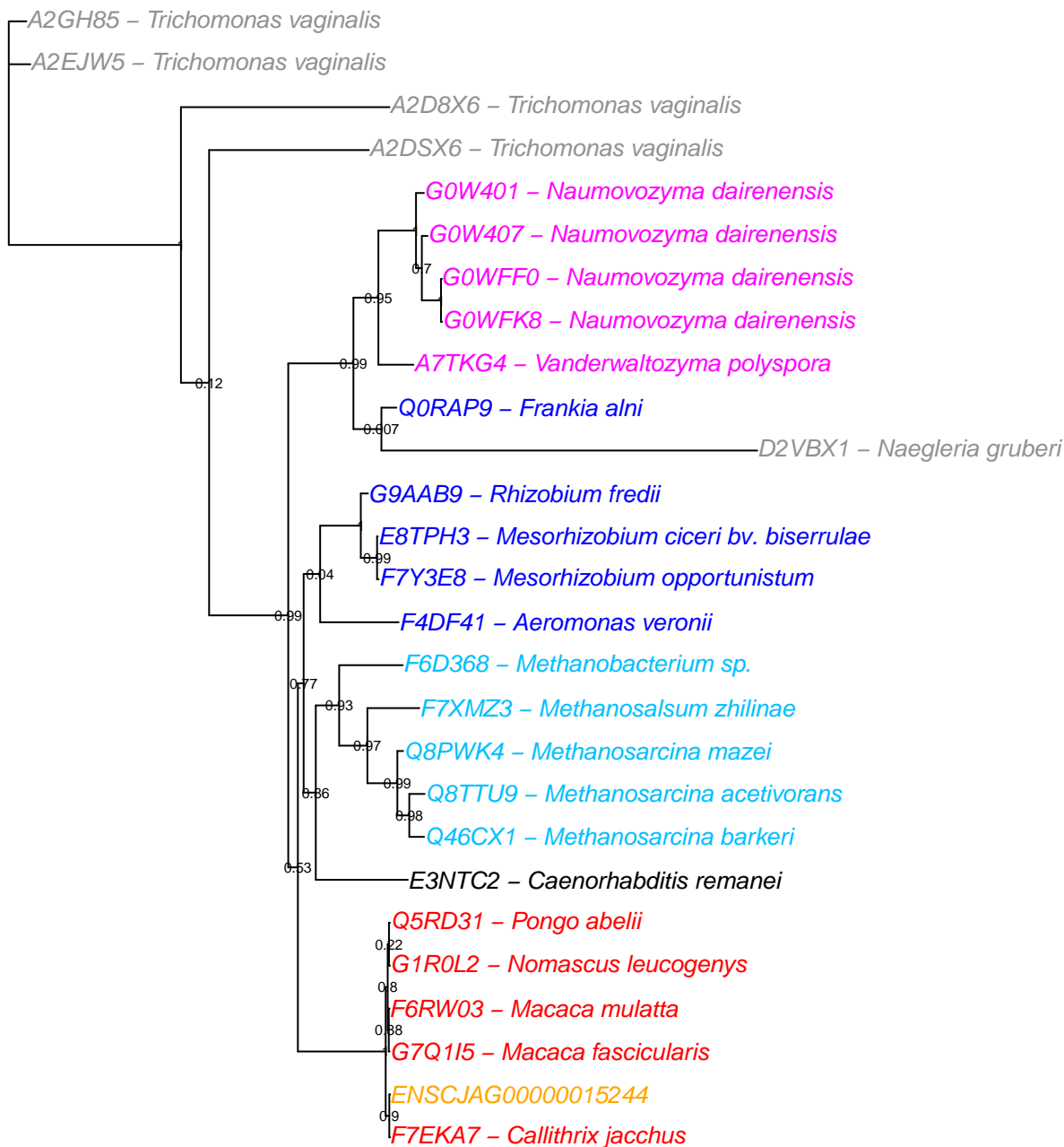
C5LL96 – *Perkinsus marinus*

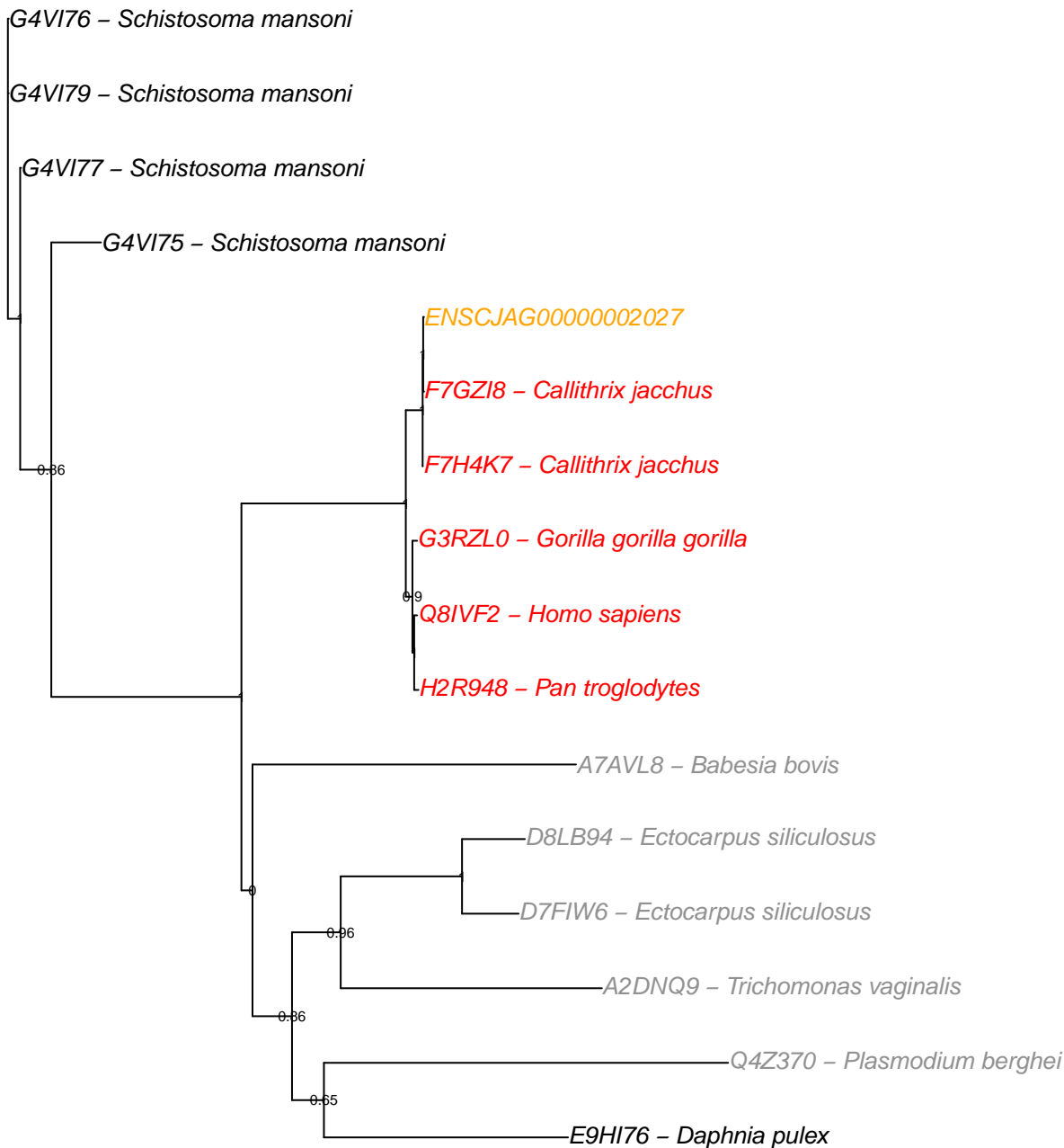


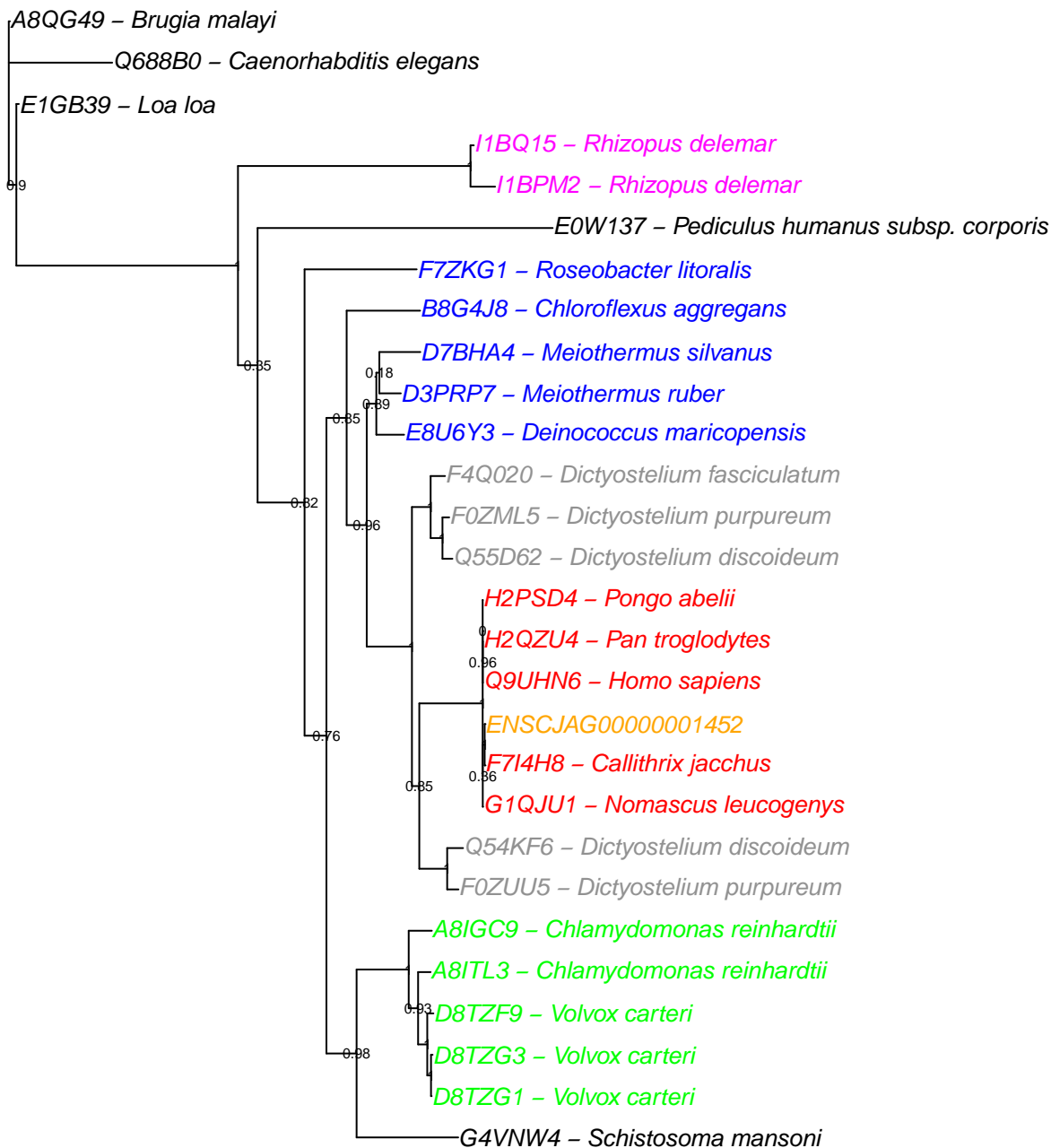


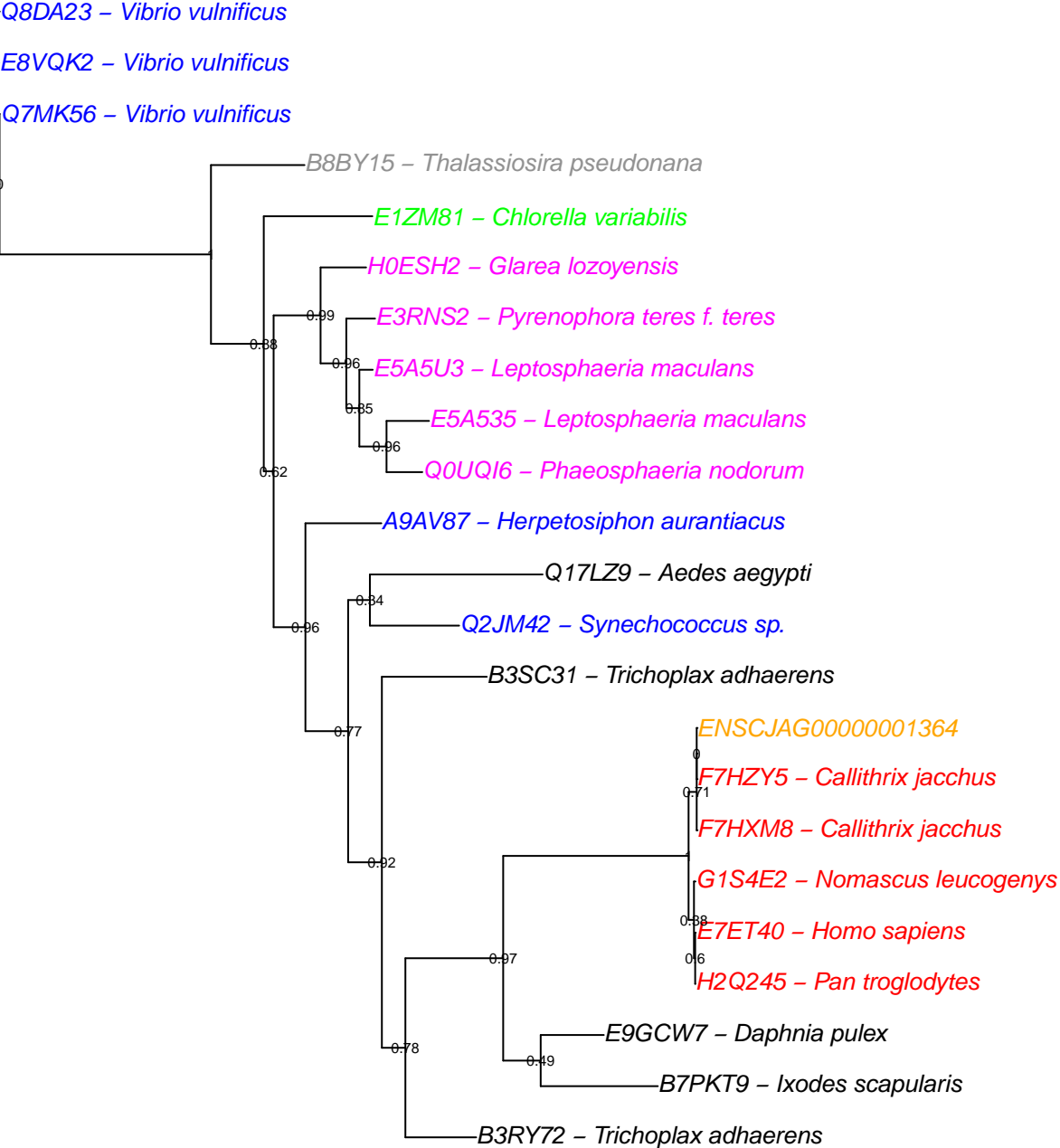


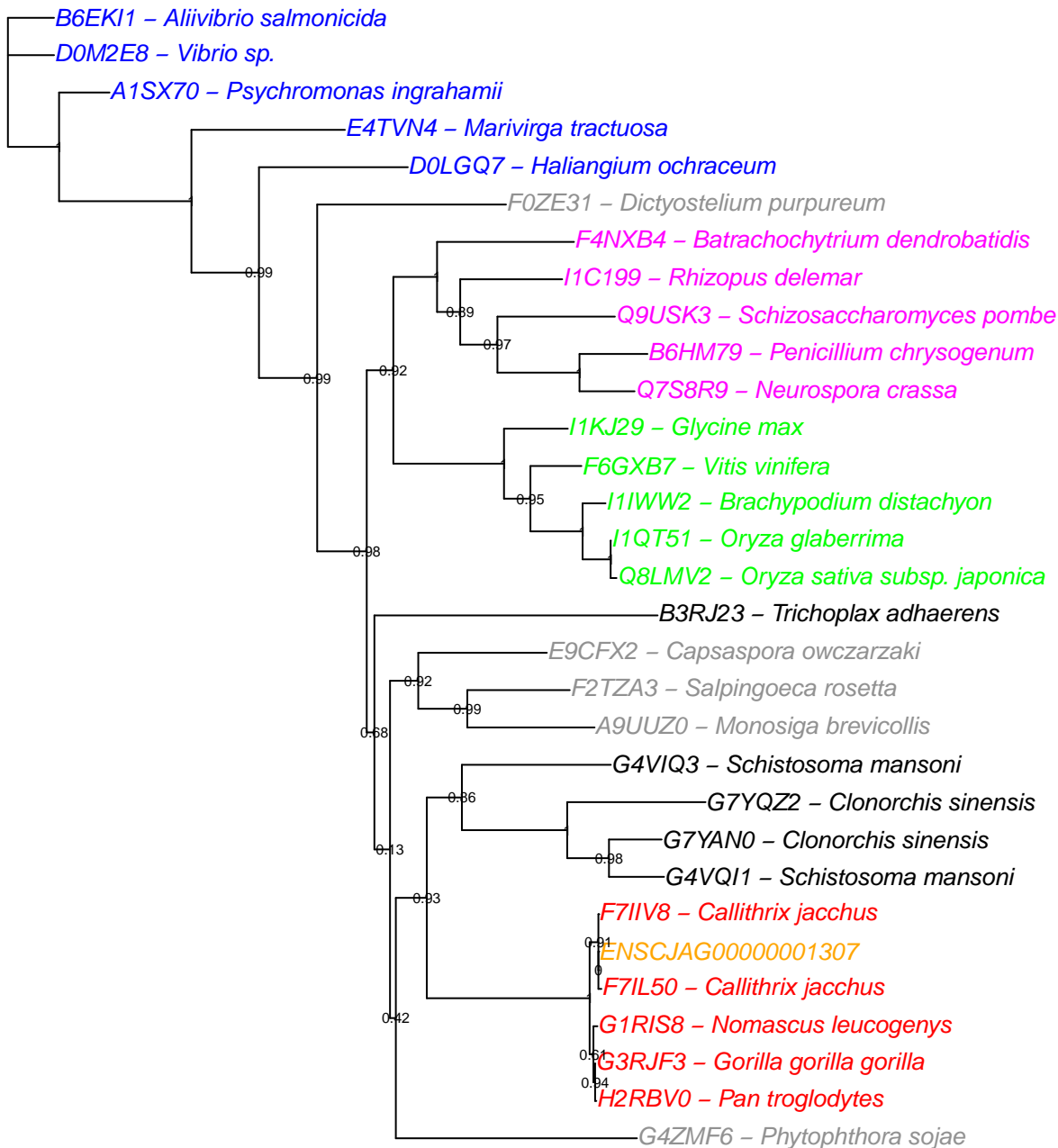


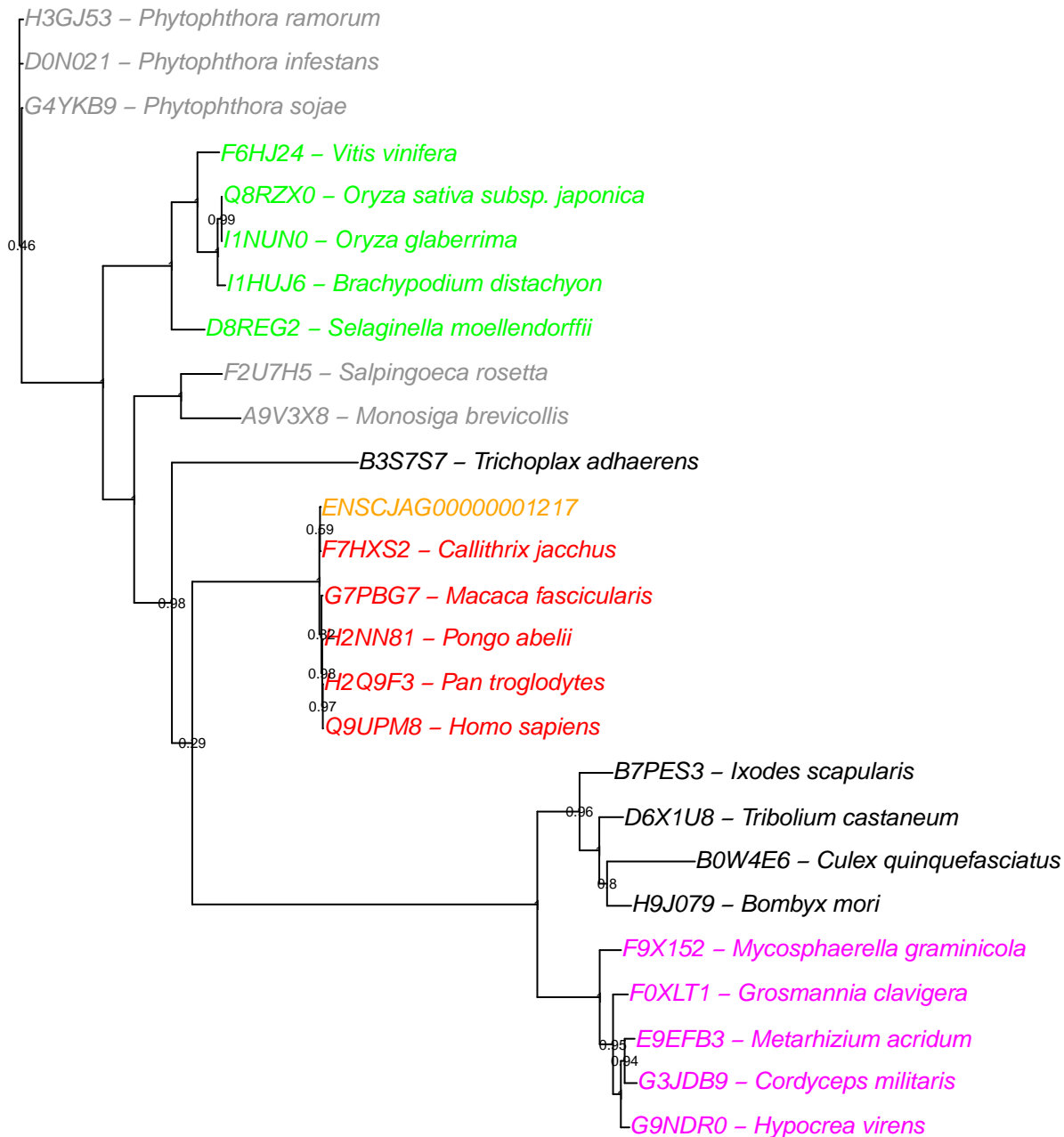


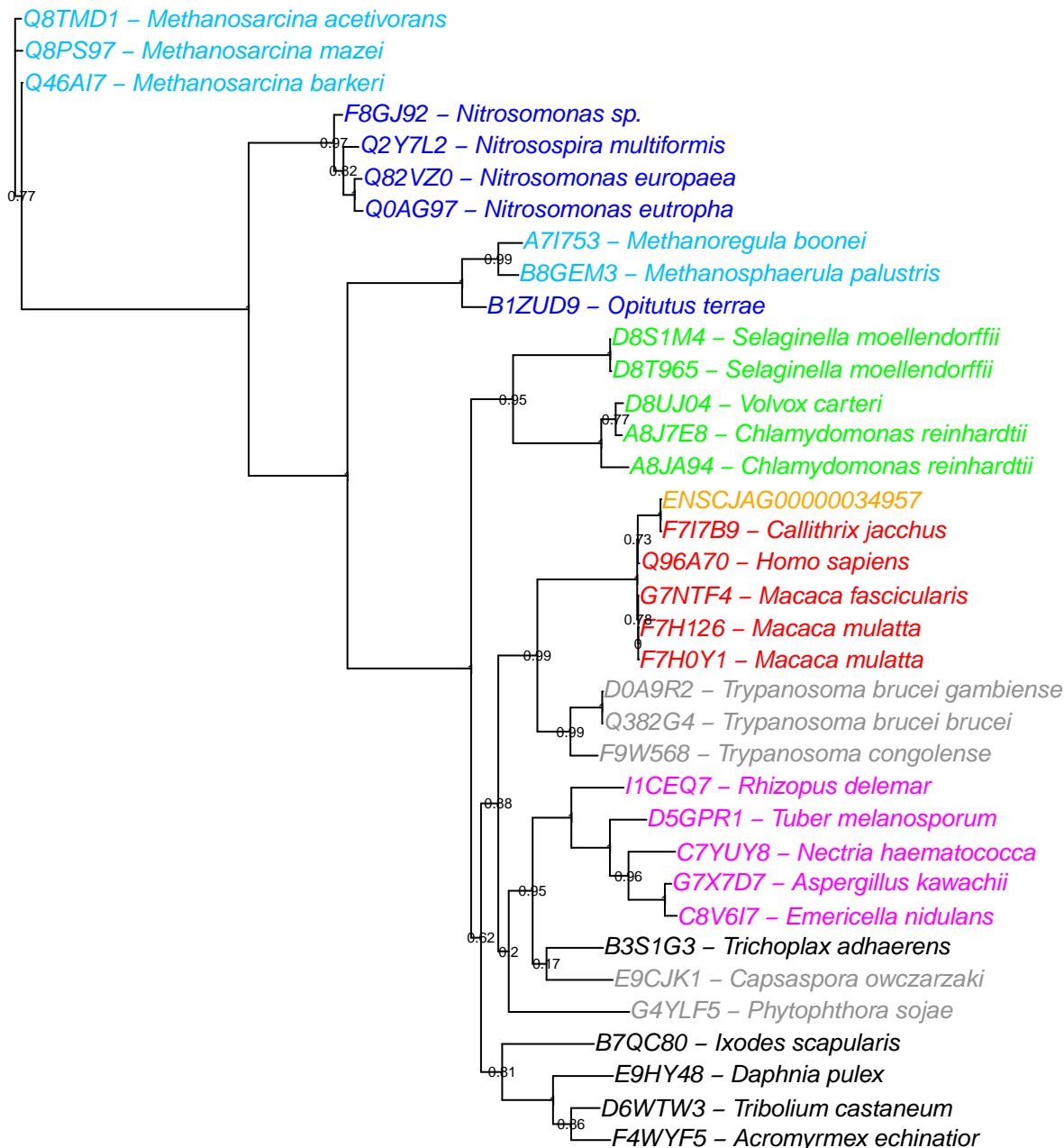


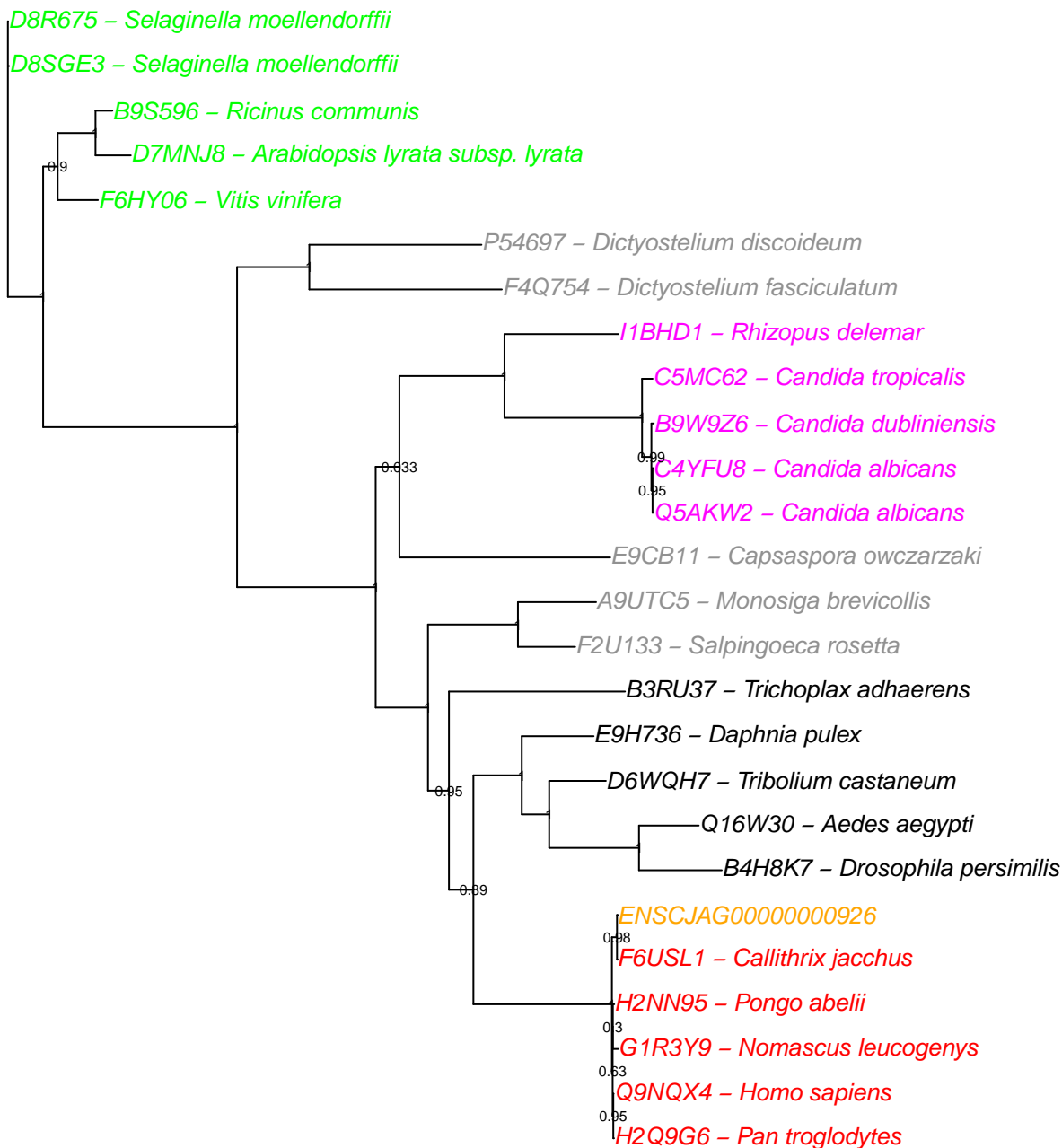


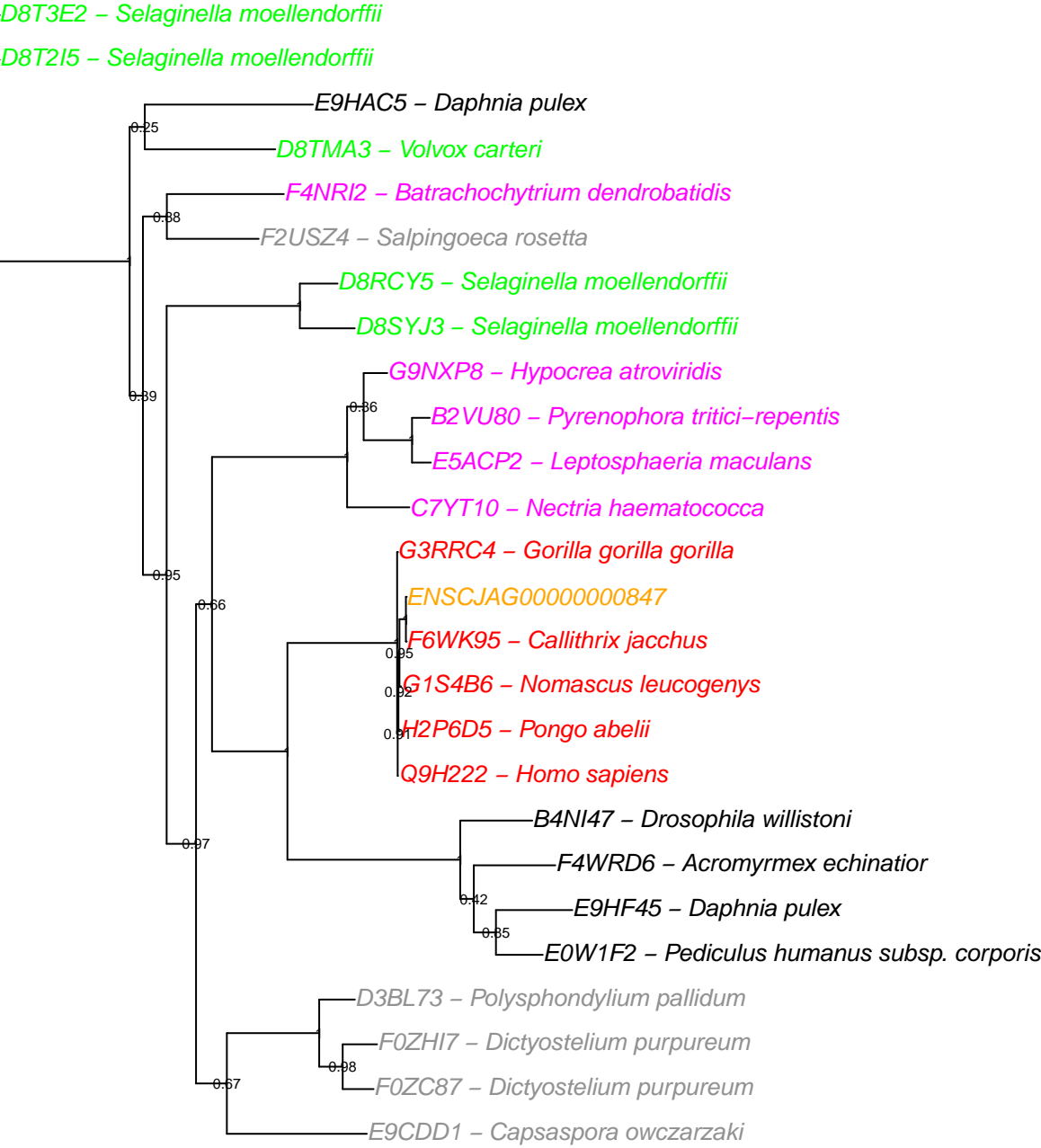


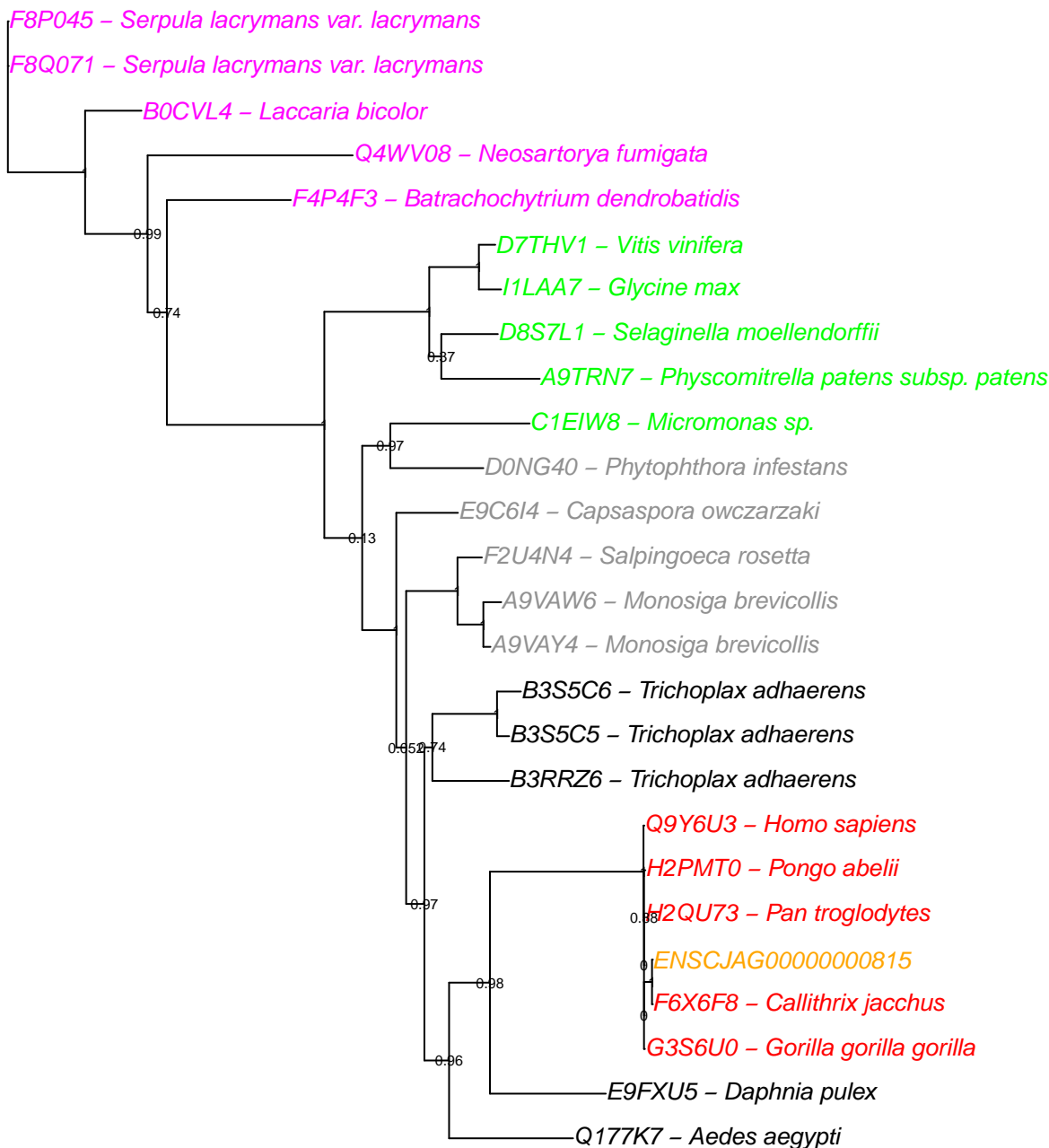


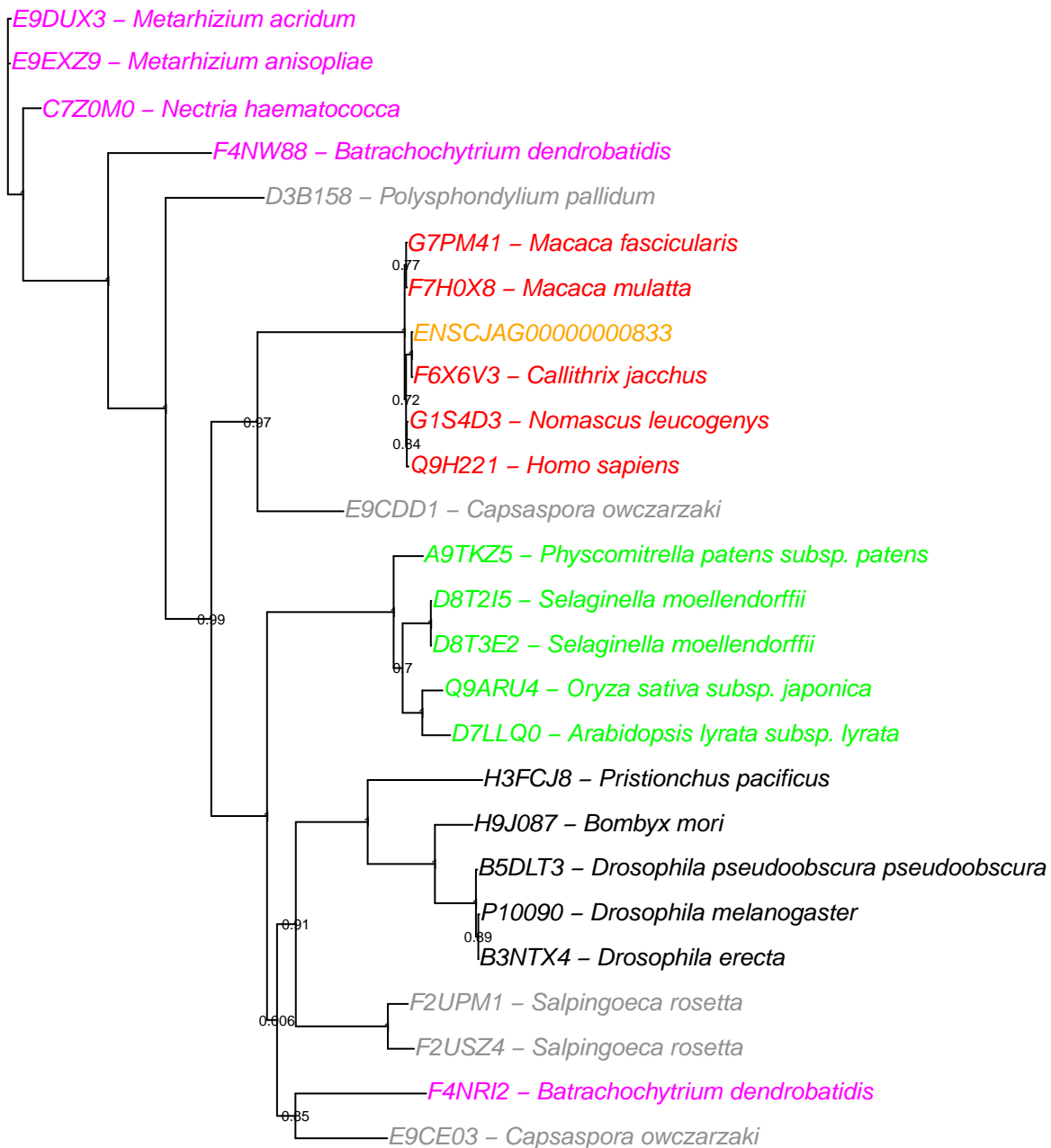












B0R9X1 – *Halobacterium salinarum*

Q9HHN2 – *Halobacterium salinarum*

