

D6WUK0 – *Tribolium castaneum*

D7EKM8 – *Tribolium castaneum*

E2ARC4 – *Camponotus floridanus*

0.99

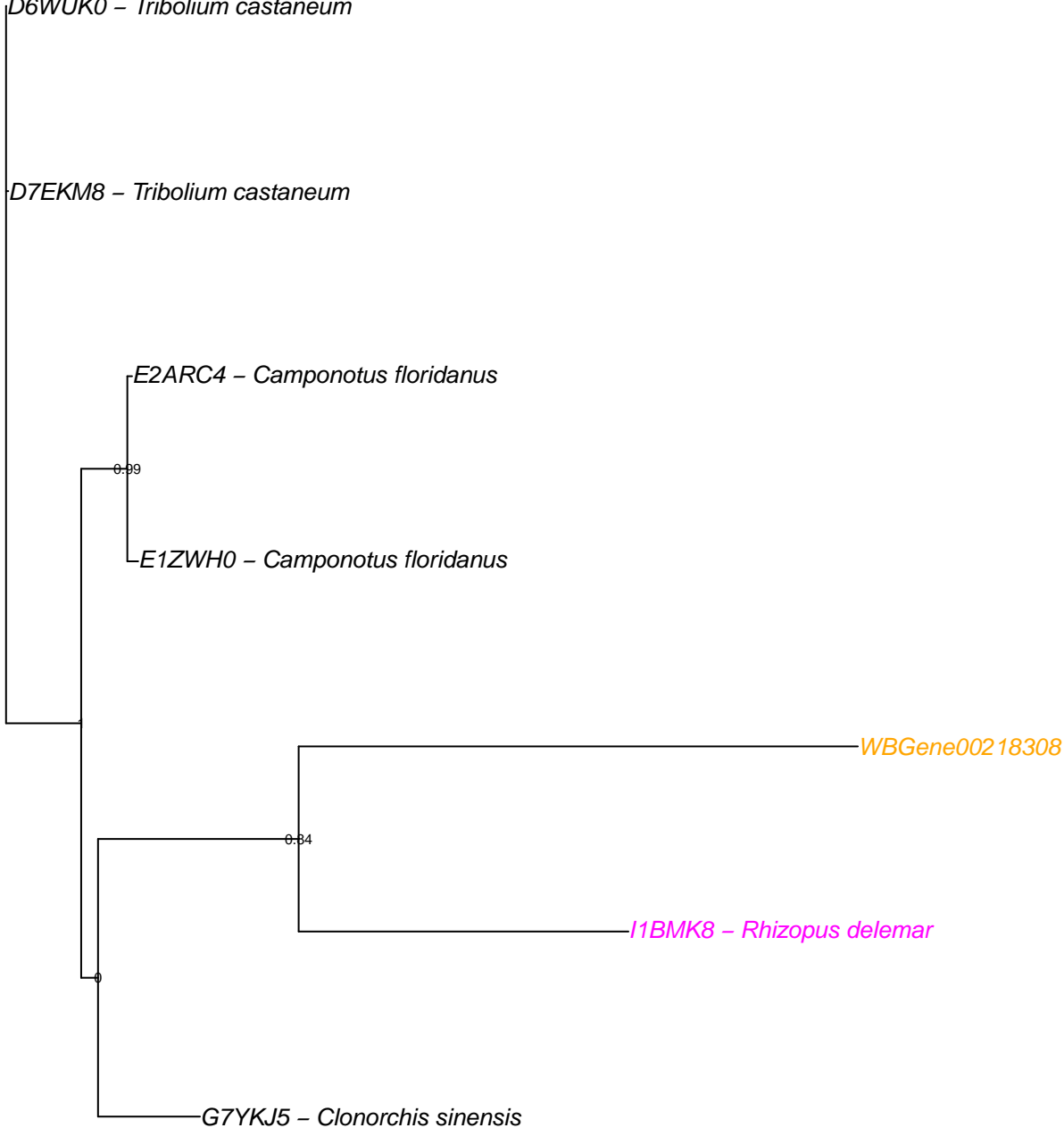
E1ZWH0 – *Camponotus floridanus*

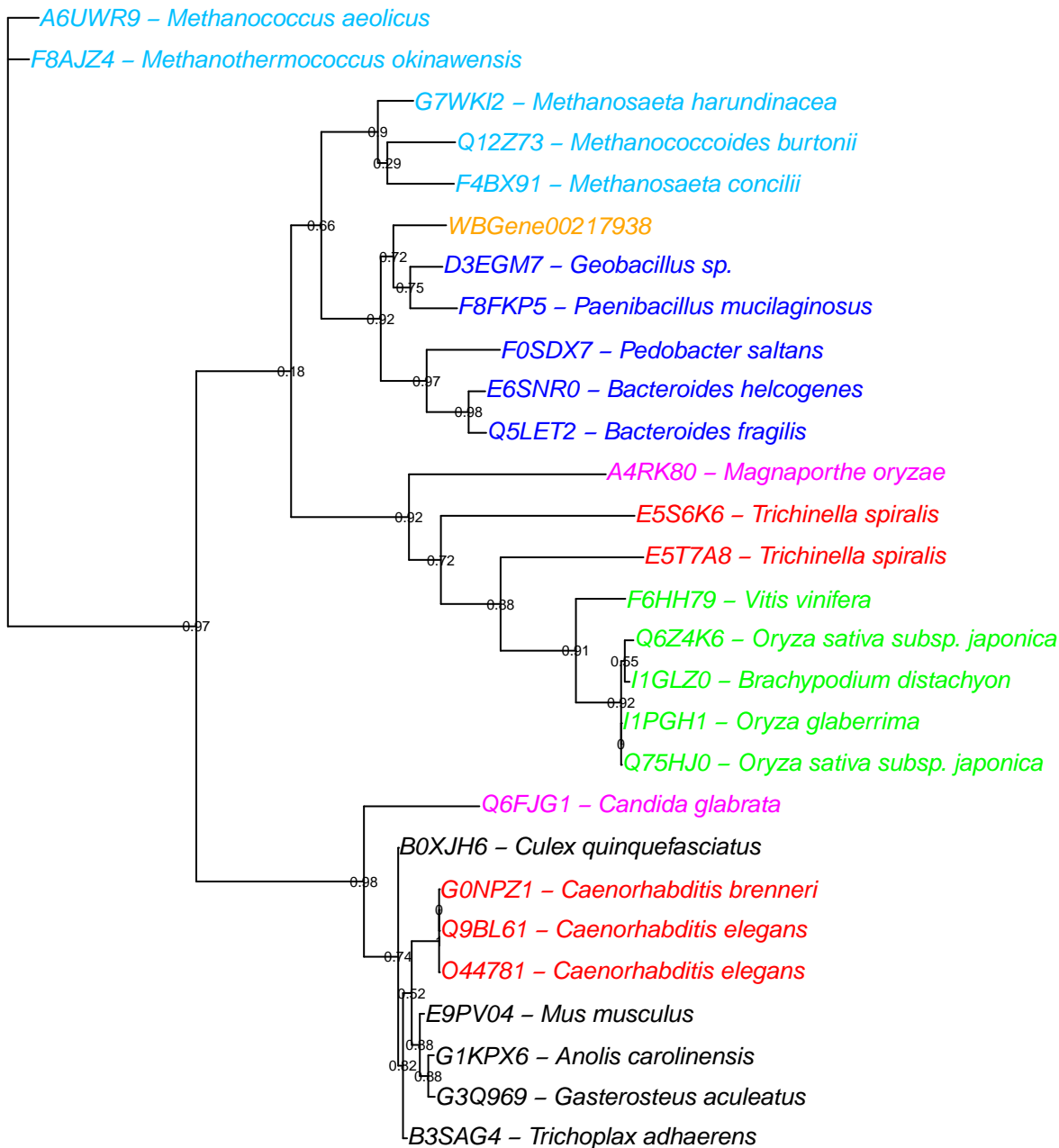
0.84

WBGene00218308

I1BMK8 – *Rhizopus delemar*

G7YKJ5 – *Clonorchis sinensis*





A5CMZ0 – *Clavibacter michiganensis* subsp. *michiganensis*

B0RFK9 – *Clavibacter michiganensis* subsp. *sepedonicus*

WBGene00217601

0.5

Q9RJ54 – *Streptomyces coelicolor*

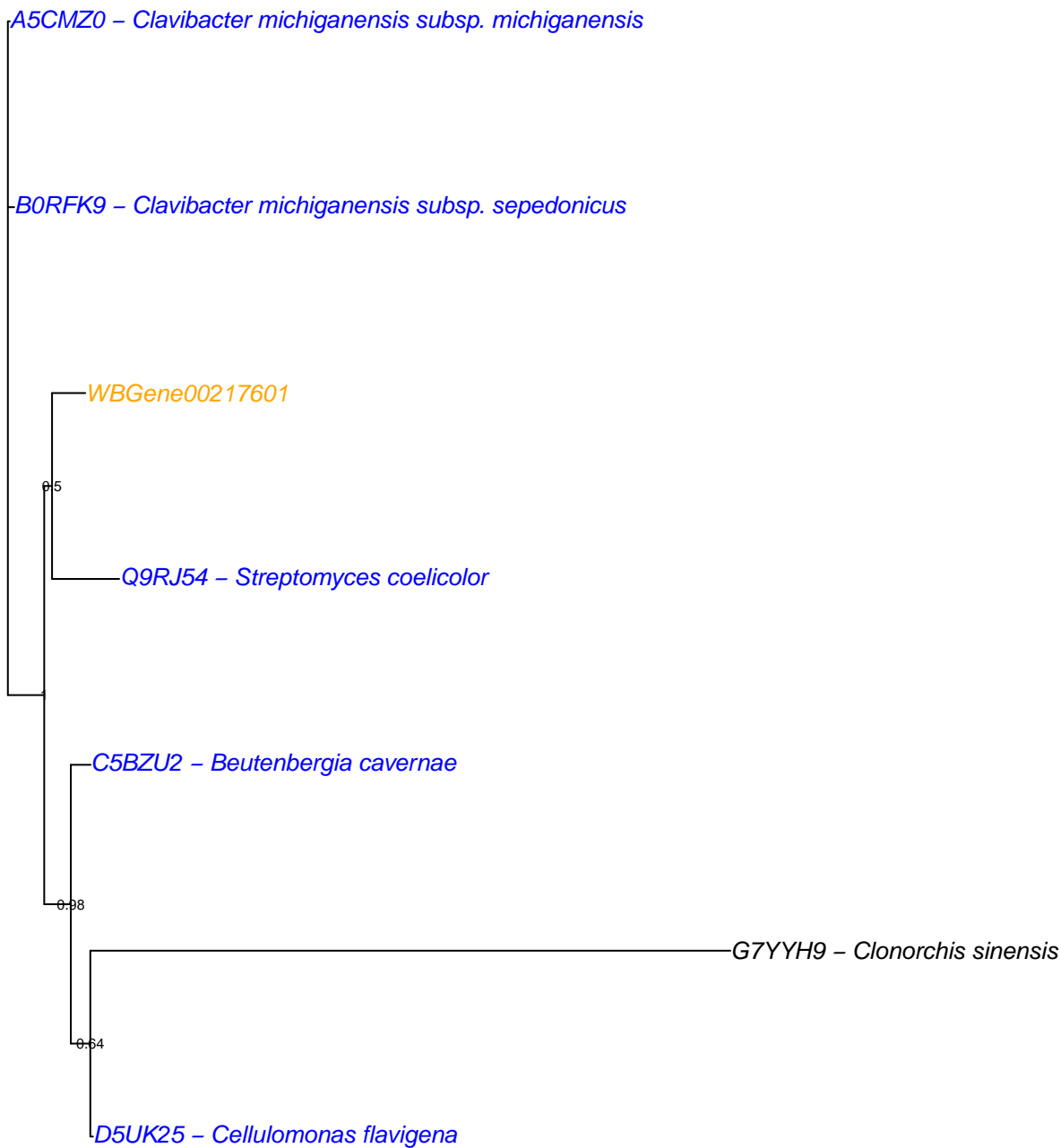
C5BZU2 – *Beutenbergia cavernae*

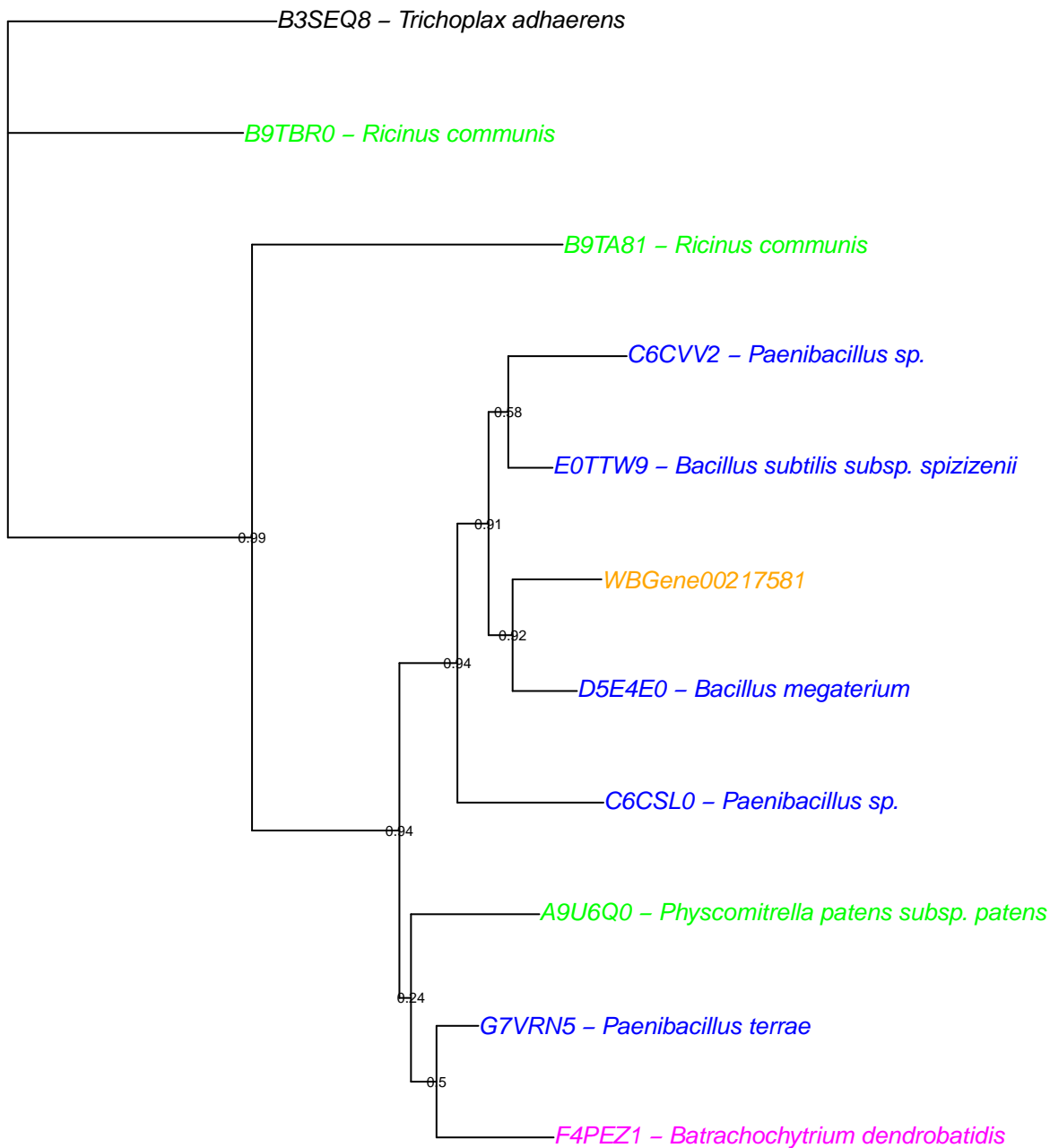
0.98

G7YYH9 – *Clonorchis sinensis*

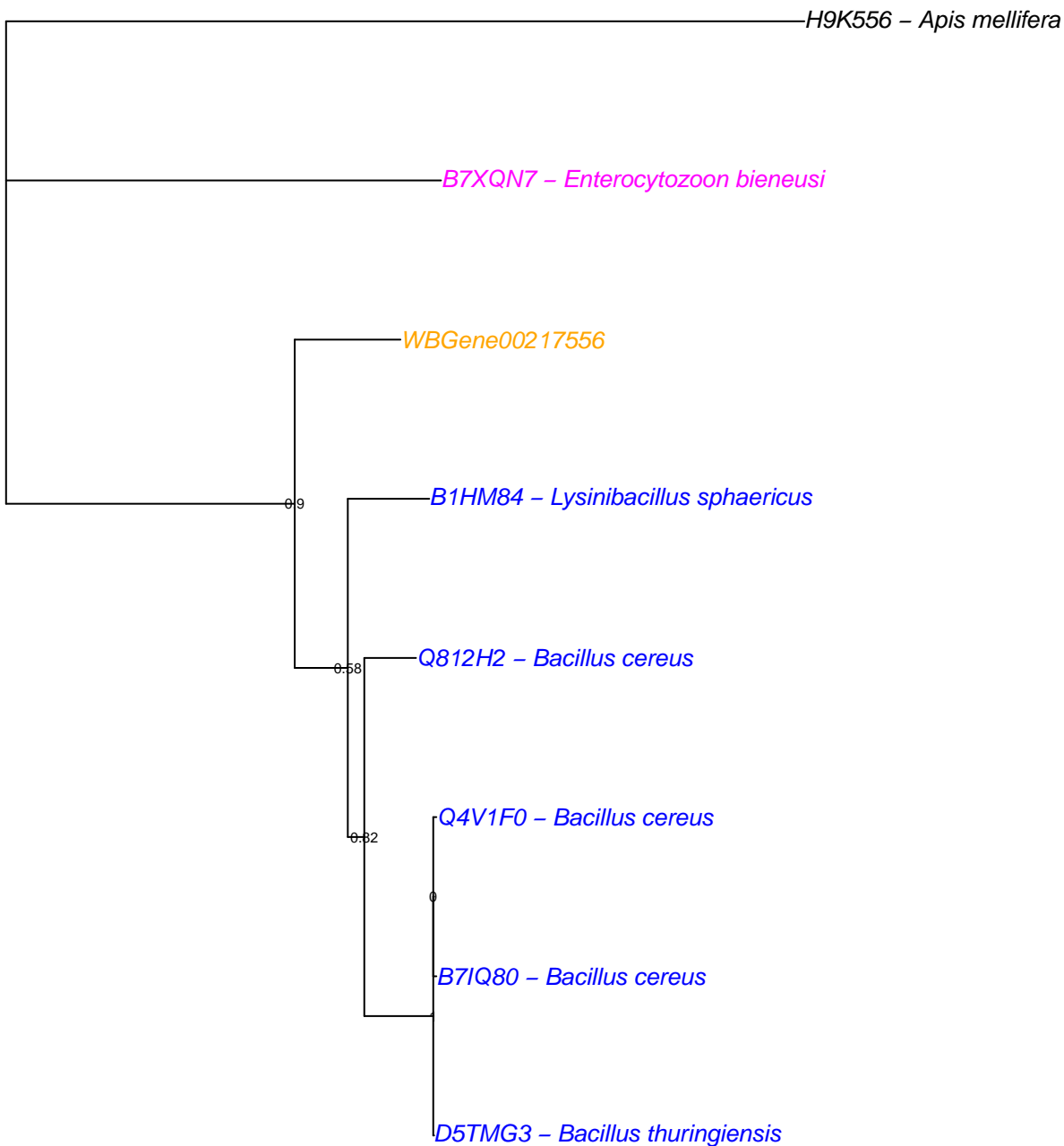
0.64

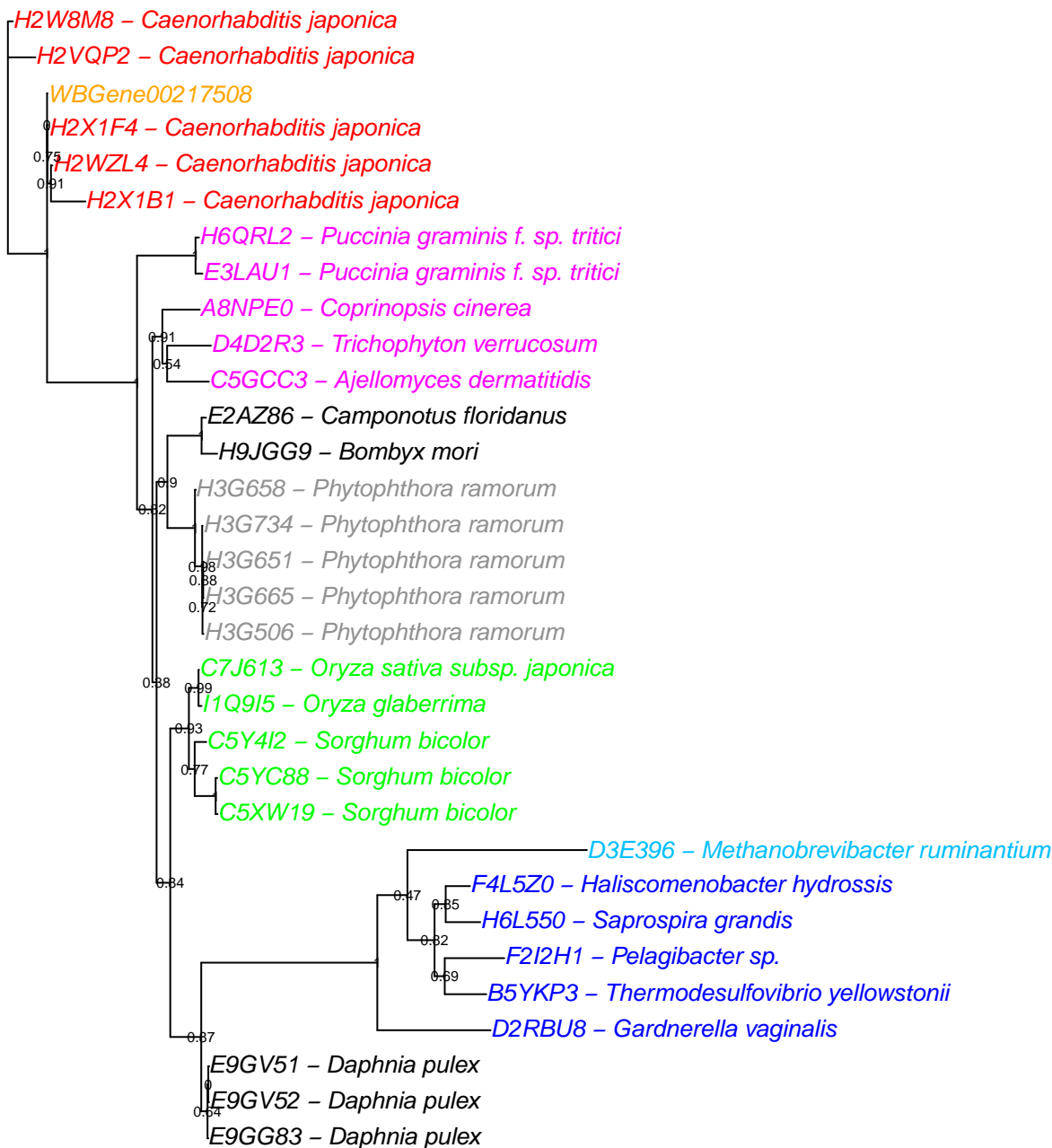
D5UK25 – *Cellulomonas flavigena*

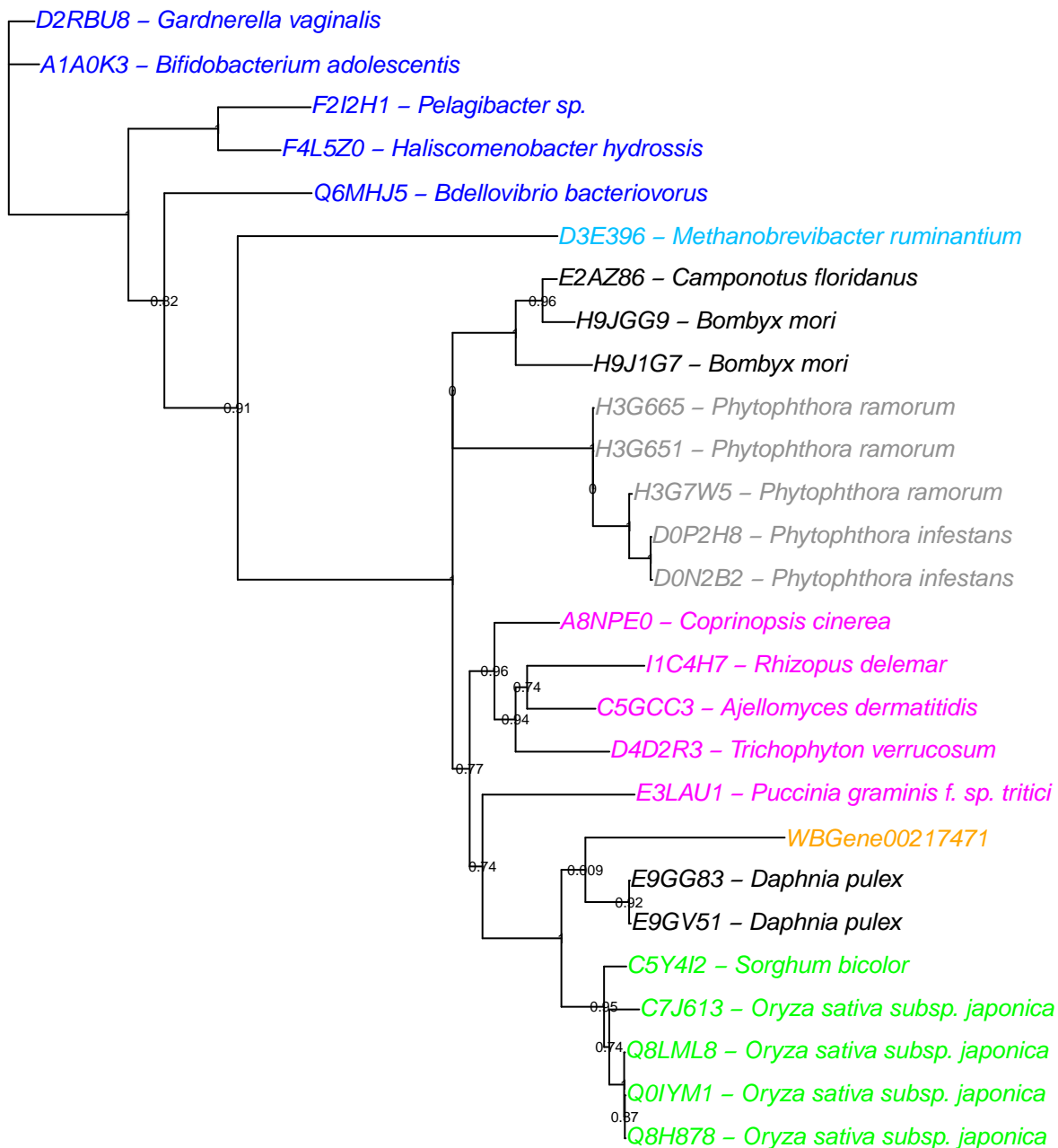


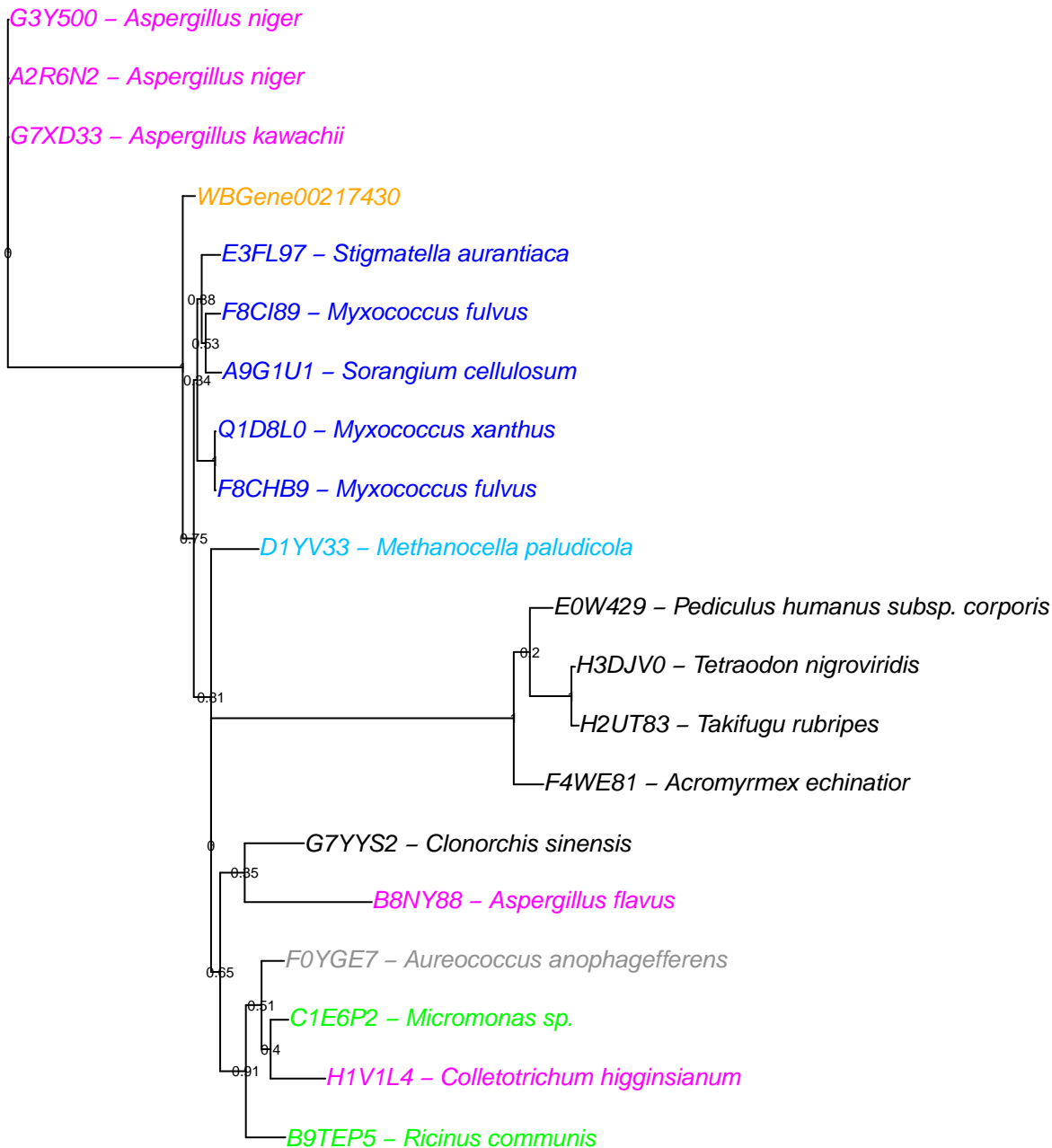


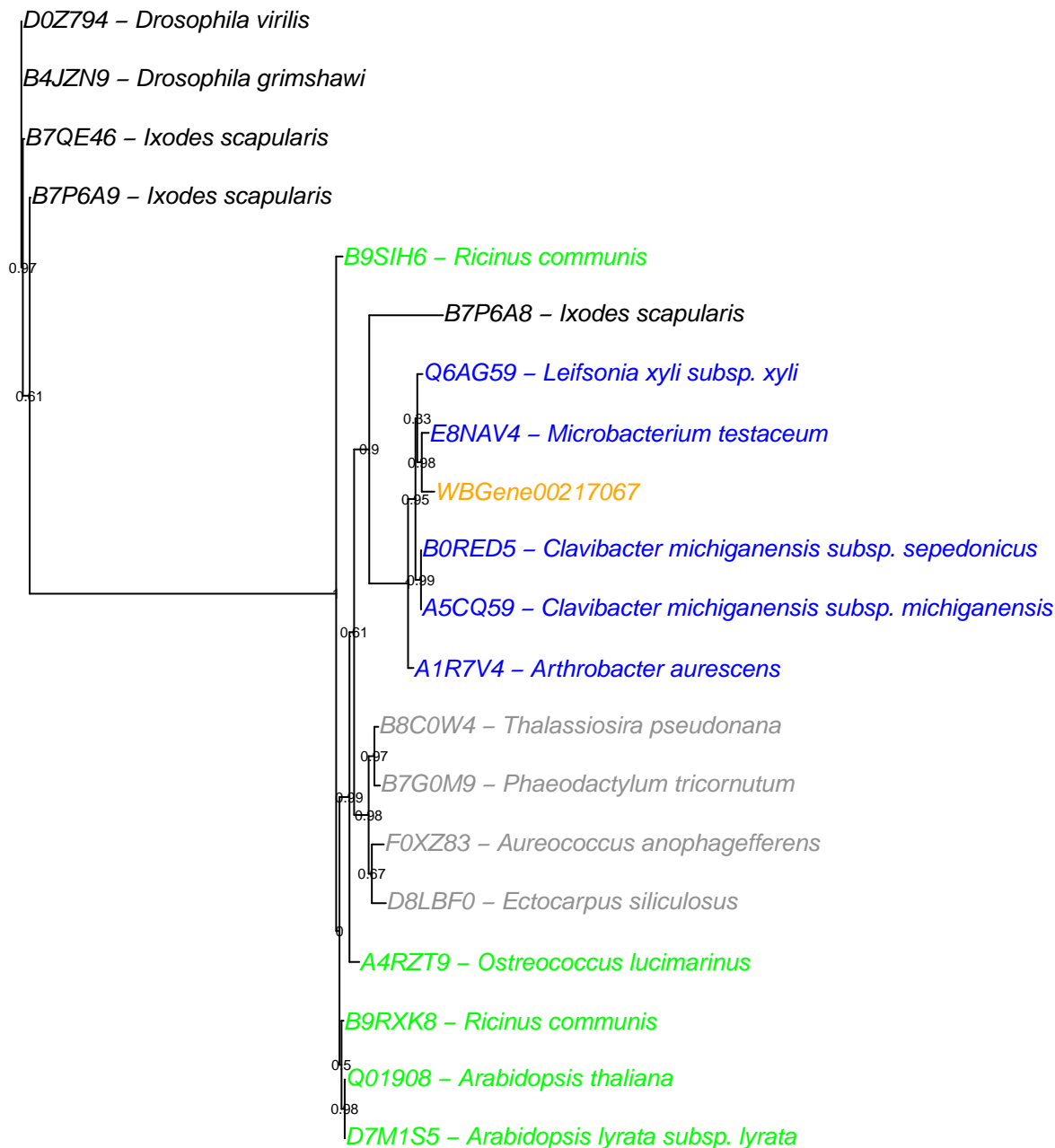












B7HLZ3 – *Bacillus cereus*

Q73AG5 – *Bacillus cereus*

E3EF00 – *Paenibacillus polymyxa*

G7VX12 – *Paenibacillus terrae*

E0R9H4 – *Paenibacillus polymyxa*

WBGene00216858

A1RS04 – *Pyrobaculum islandicum*

A4WLL2 – *Pyrobaculum arsenaticum*

Q8U124 – *Pyrococcus furiosus*

A3MS53 – *Pyrobaculum calidifontis*

Q4JB02 – *Sulfolobus acidocaldarius*

A0BGT5 – *Paramecium tetraurelia*

E1Z749 – *Chlorella variabilis*

H3F4N1 – *Pristionchus pacificus*

G7YFQ8 – *Clonorchis sinensis*

F4Q8H1 – *Dictyostelium fasciculatum*

D3BEC2 – *Polysphondylium pallidum*

Q74ZC0 – *Ashbya gossypii*

C5DN96 – *Lachancea thermotolerans*

G0VE85 – *Naumovozyma castellii*

G0WG53 – *Naumovozyma dairenensis*

G8ZXZ8 – *Torulaspora delbrueckii*

A9V3G3 – *Monosiga brevicollis*

A9ST93 – *Physcomitrella patens subsp. patens*

B9SJ31 – *Ricinus communis*

I1JDH7 – *Glycine max*

Q8GUU3 – *Arabidopsis thaliana*

F0ZFA2 – *Dictyostelium purpureum*

A8QG81 – *Brugia malayi*

A8WN58 – *Caenorhabditis briggsae*

Q9U3K2 – *Caenorhabditis elegans*

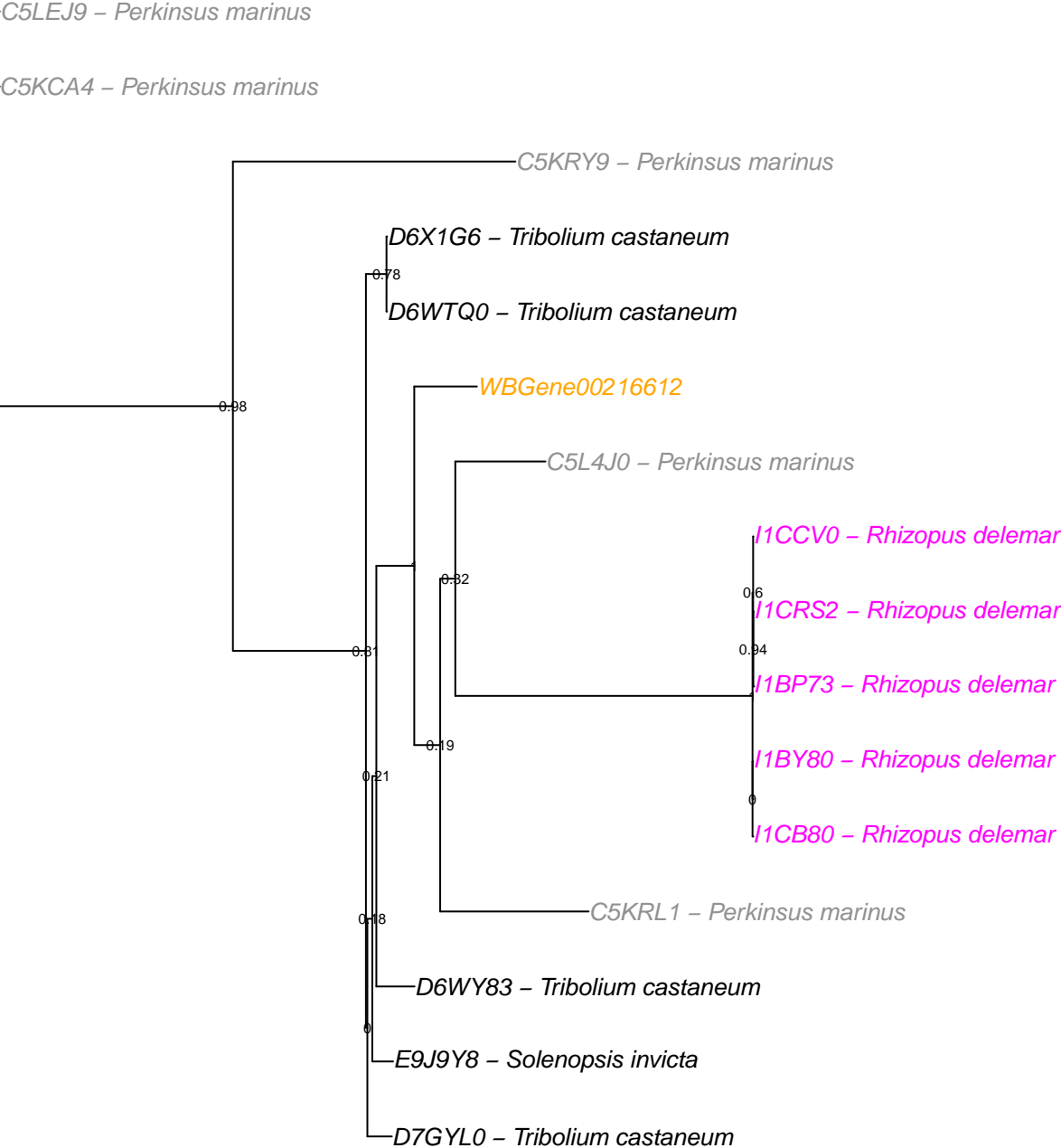
E3LGU4 – *Caenorhabditis remanei*

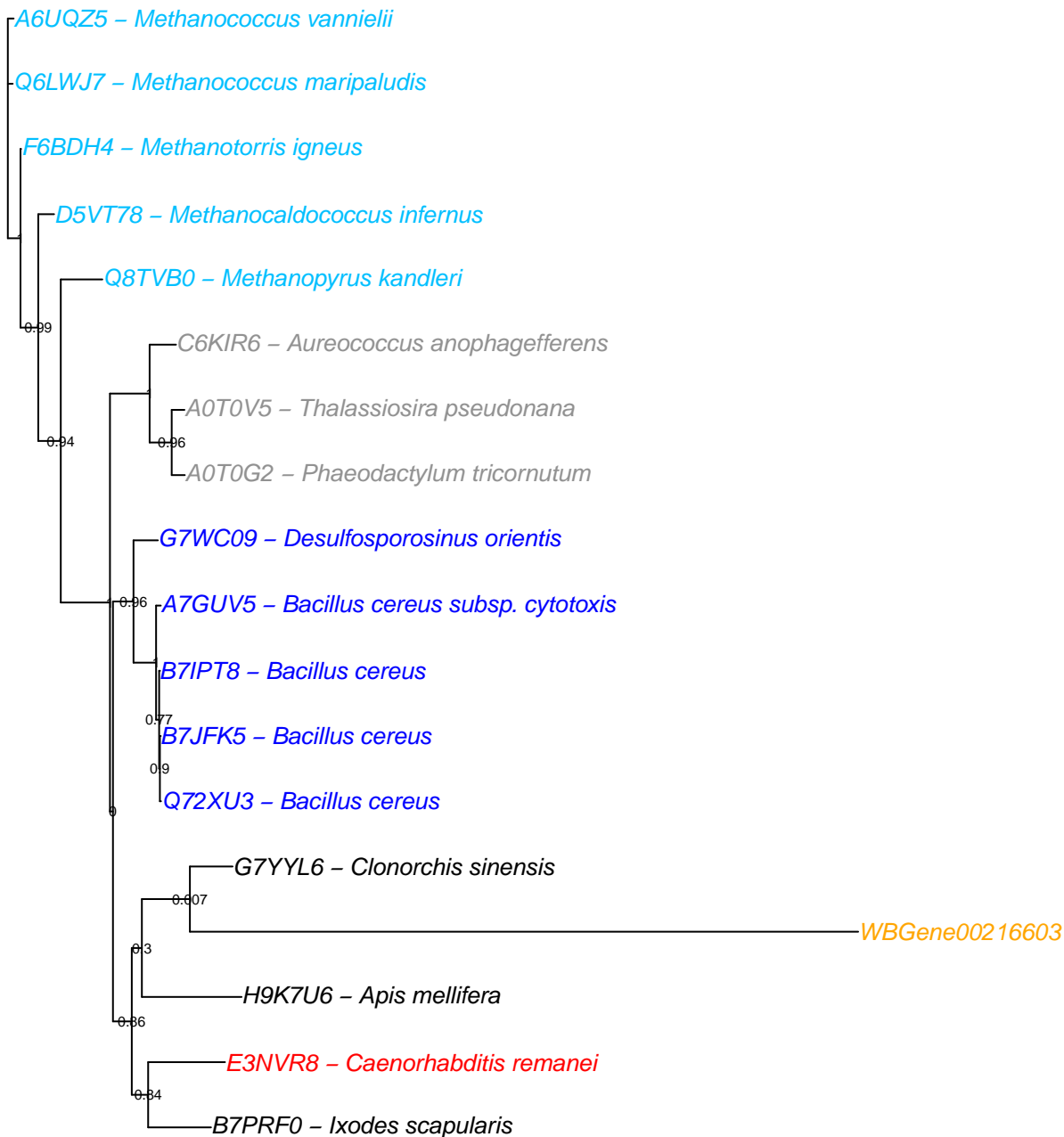
E2AU94 – *Camponotus floridanus*

E2B377 – *Harpegnathos saltator*

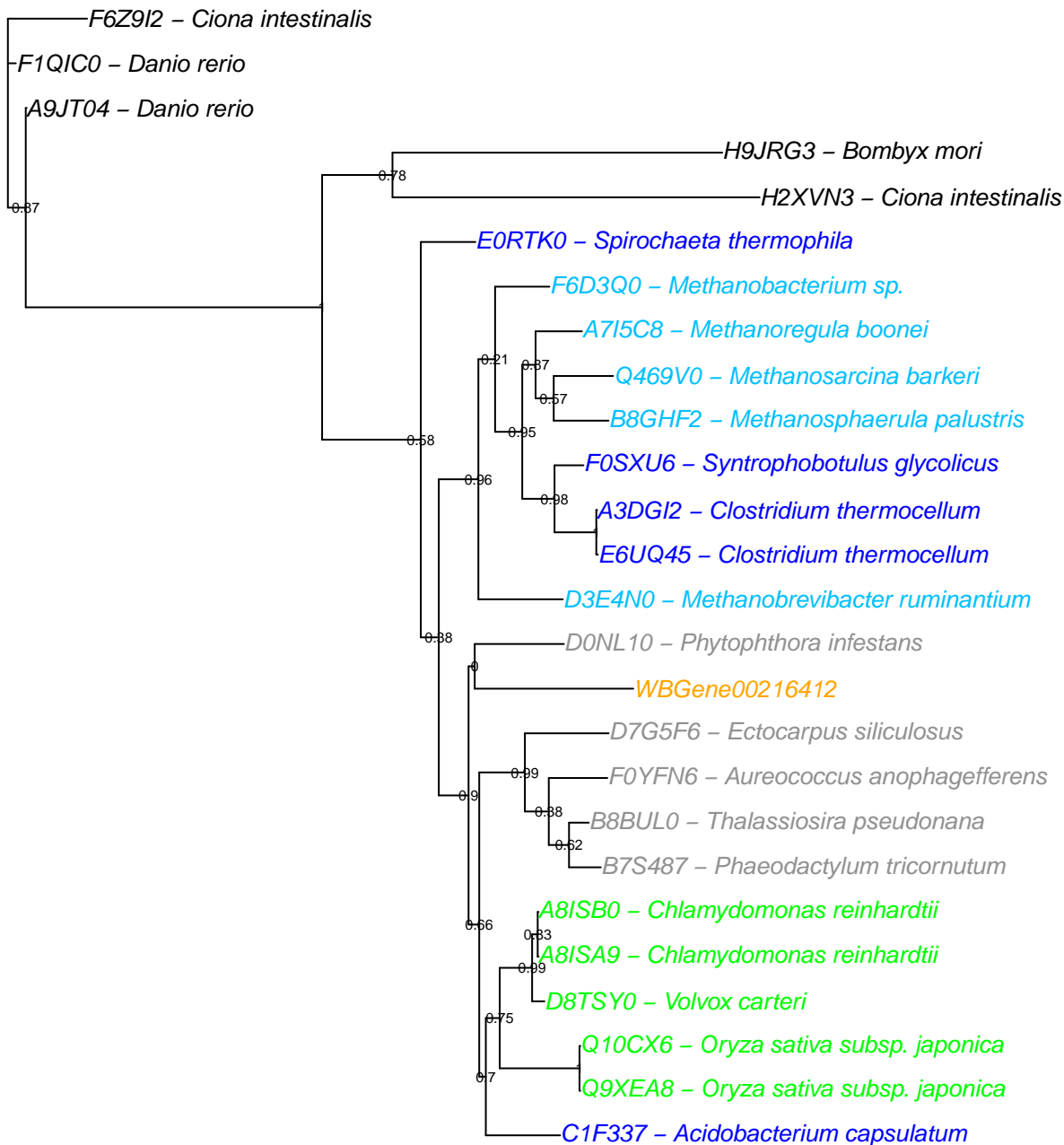
Q7Q184 – *Anopheles gambiae*

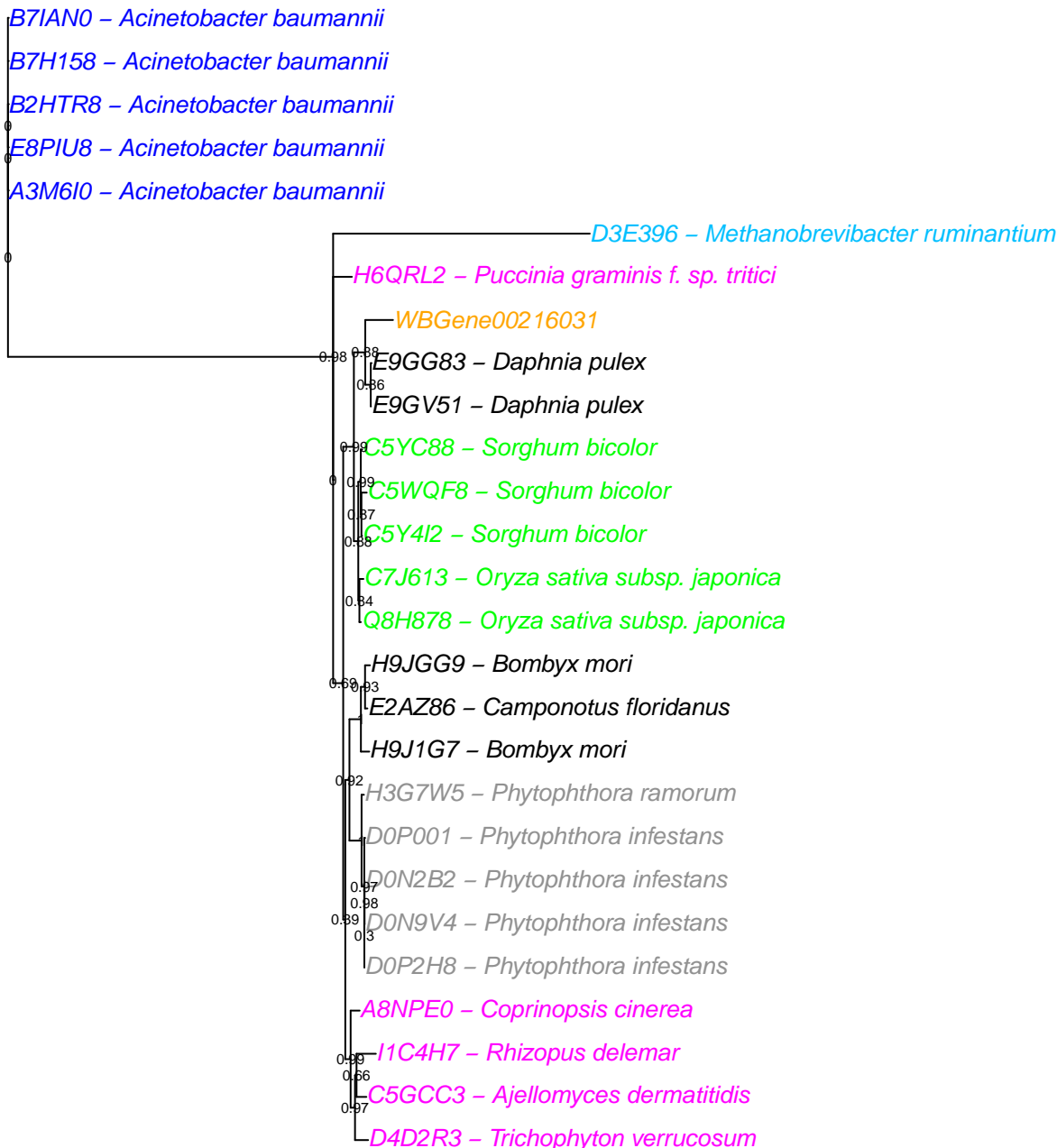
B7PHB3 – *Ixodes scapularis*

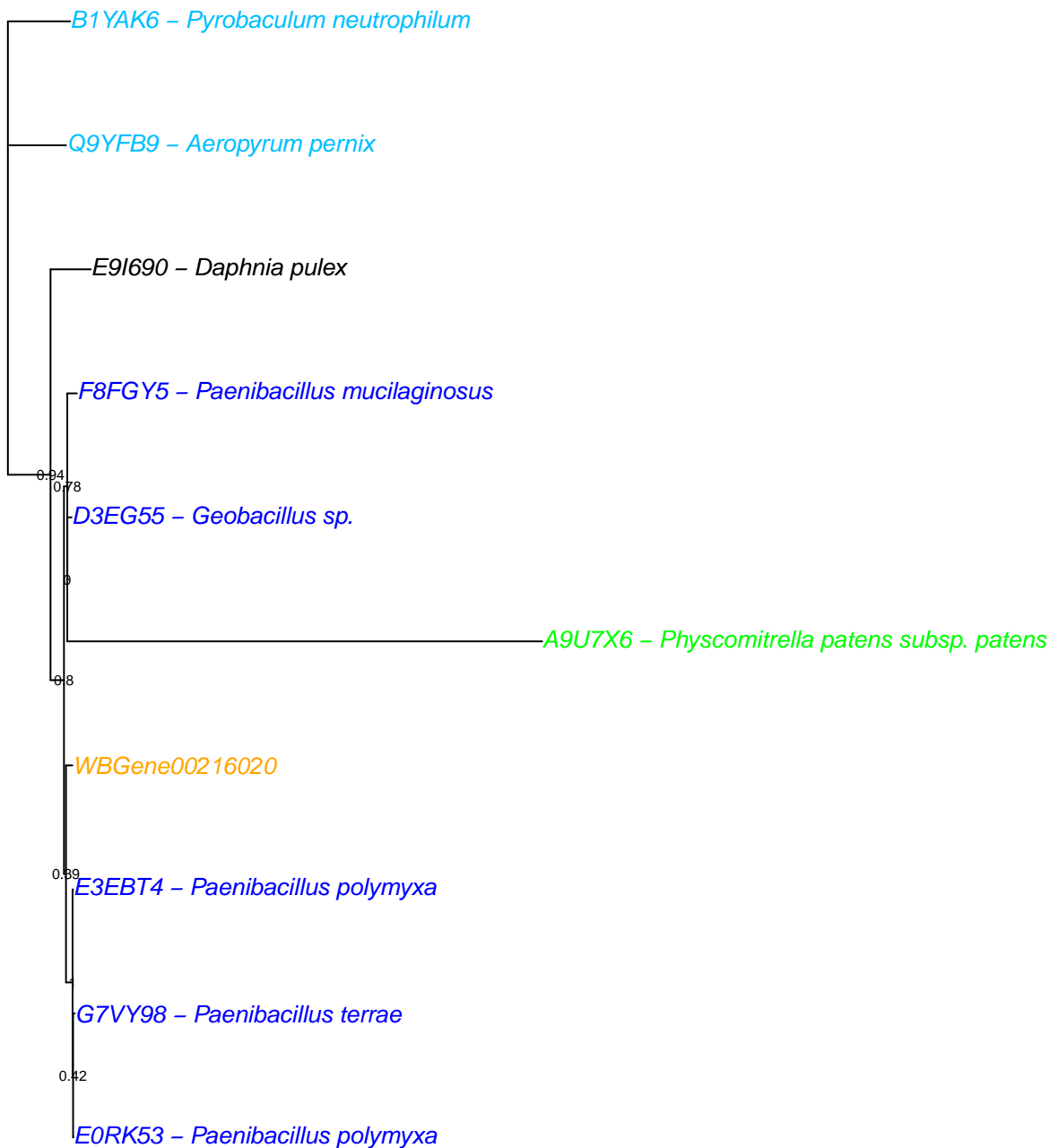


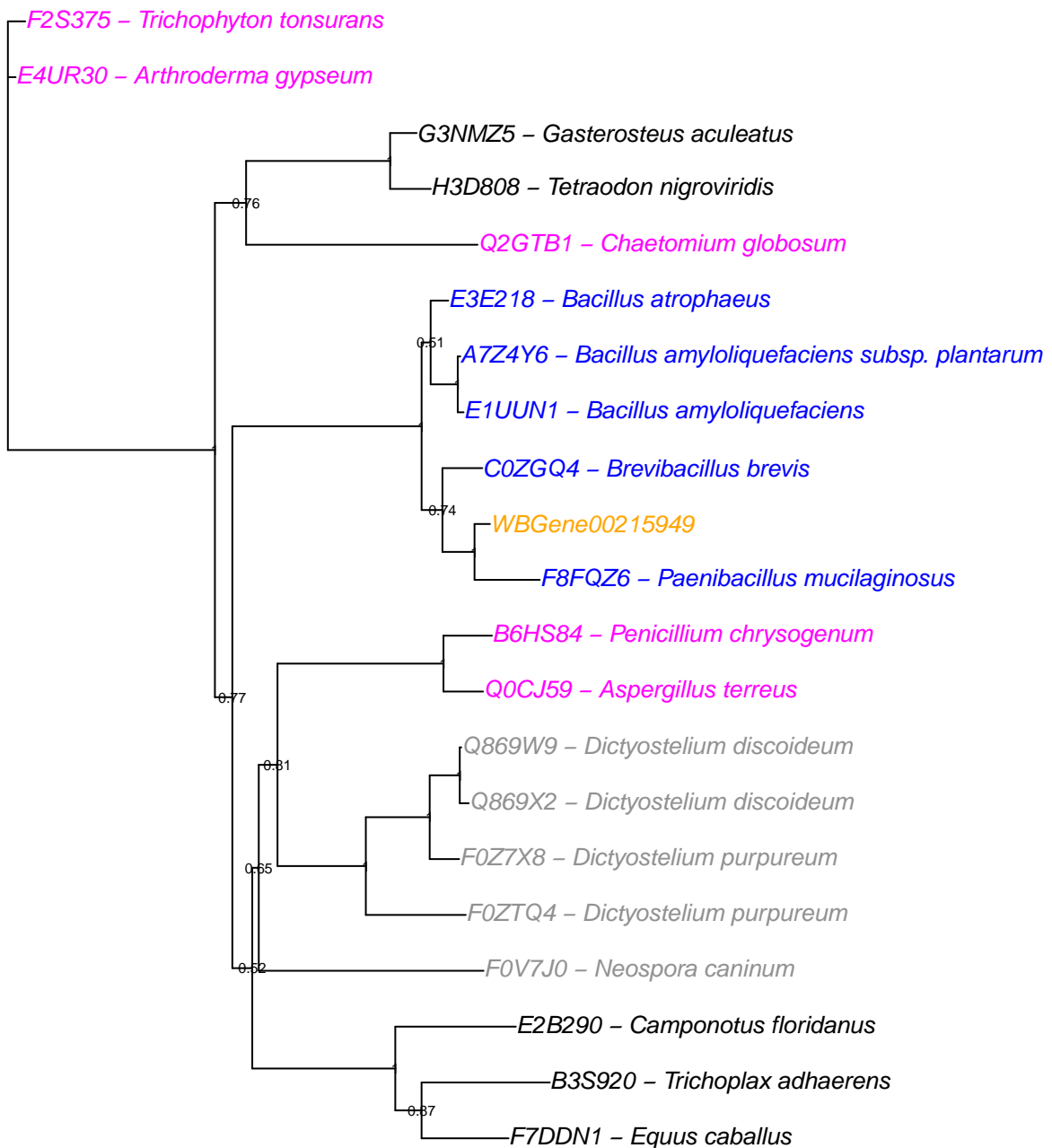






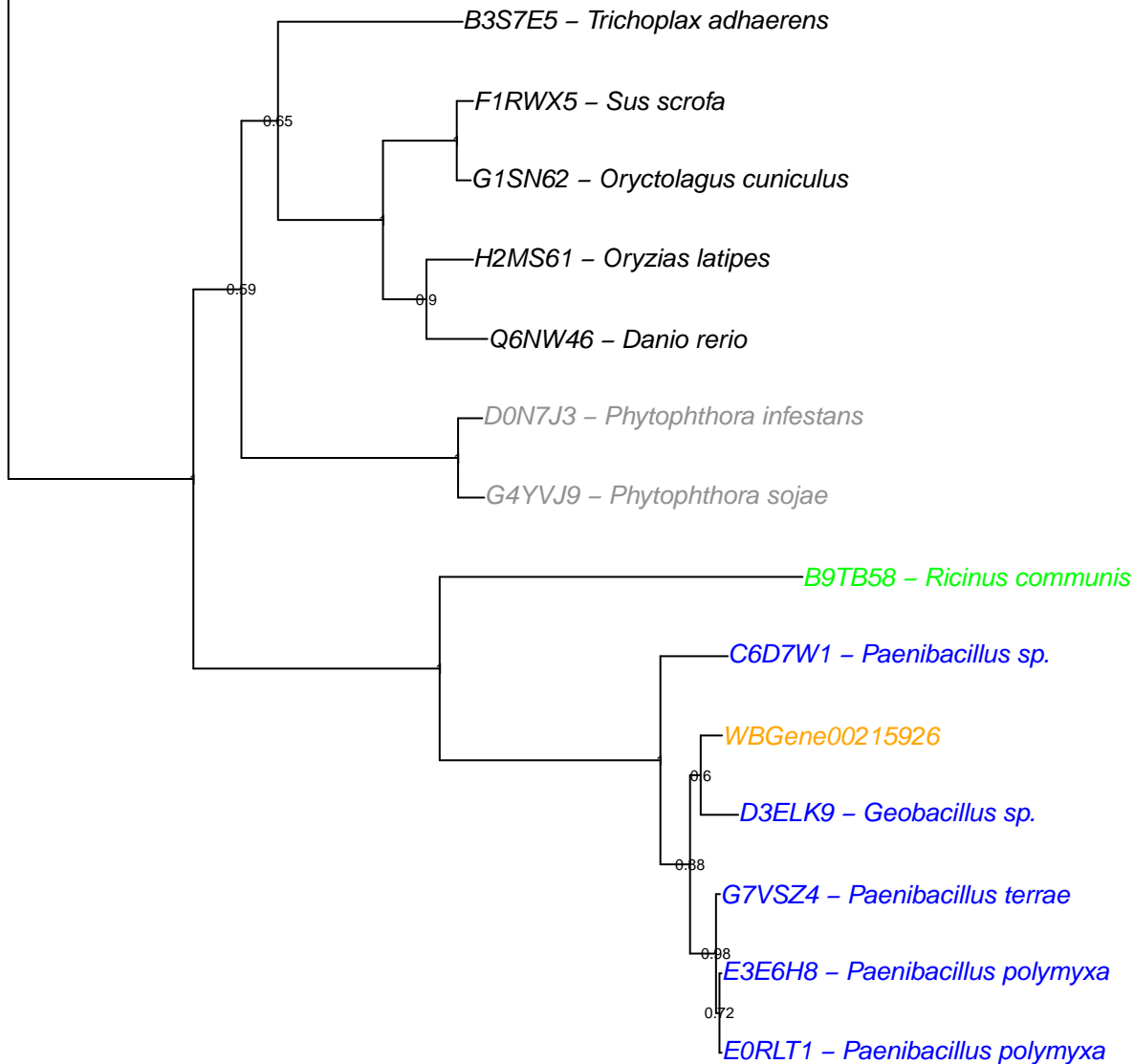


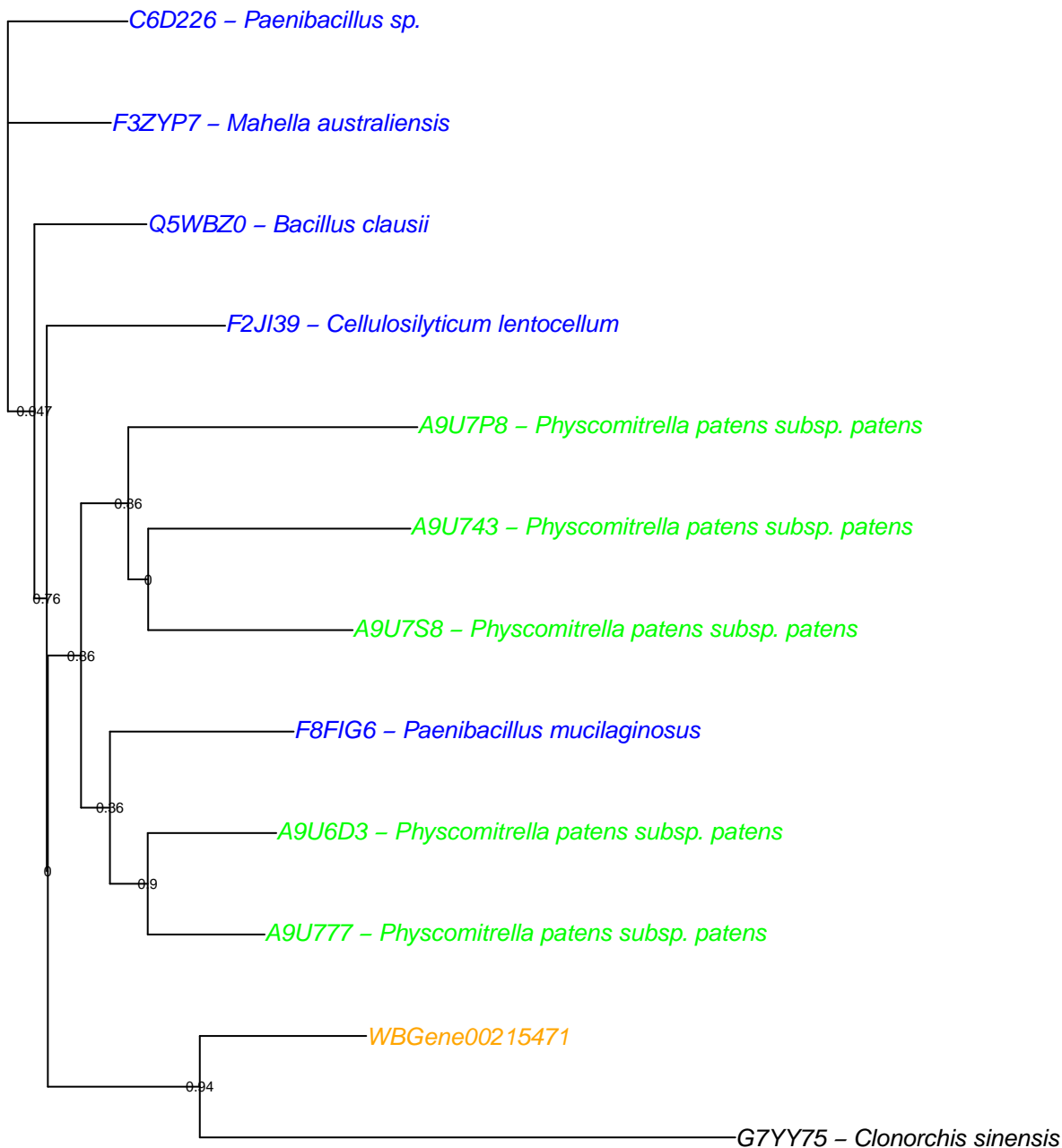




D8SP96 – *Selaginella moellendorffii*

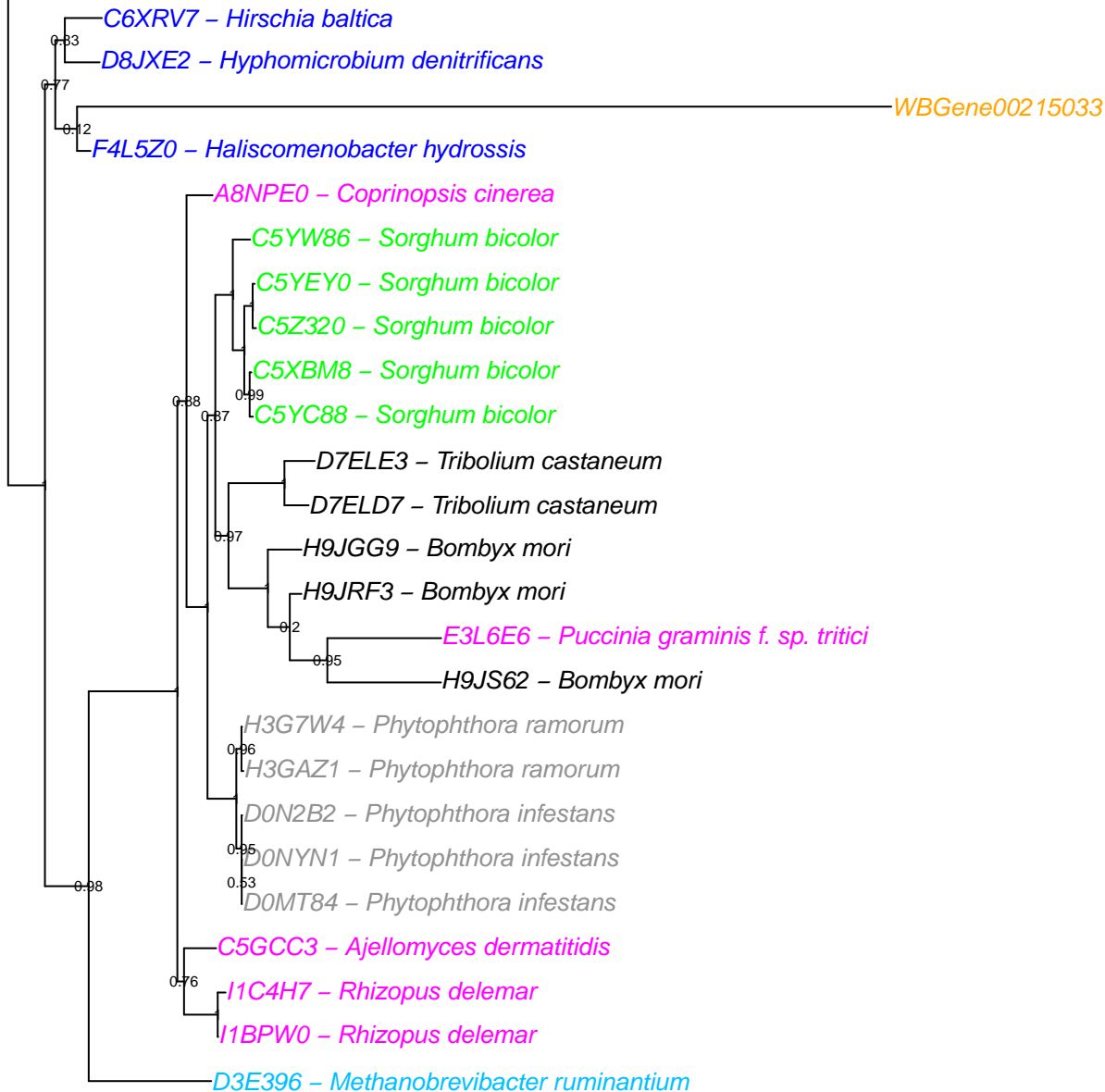
D8RFU2 – *Selaginella moellendorffii*

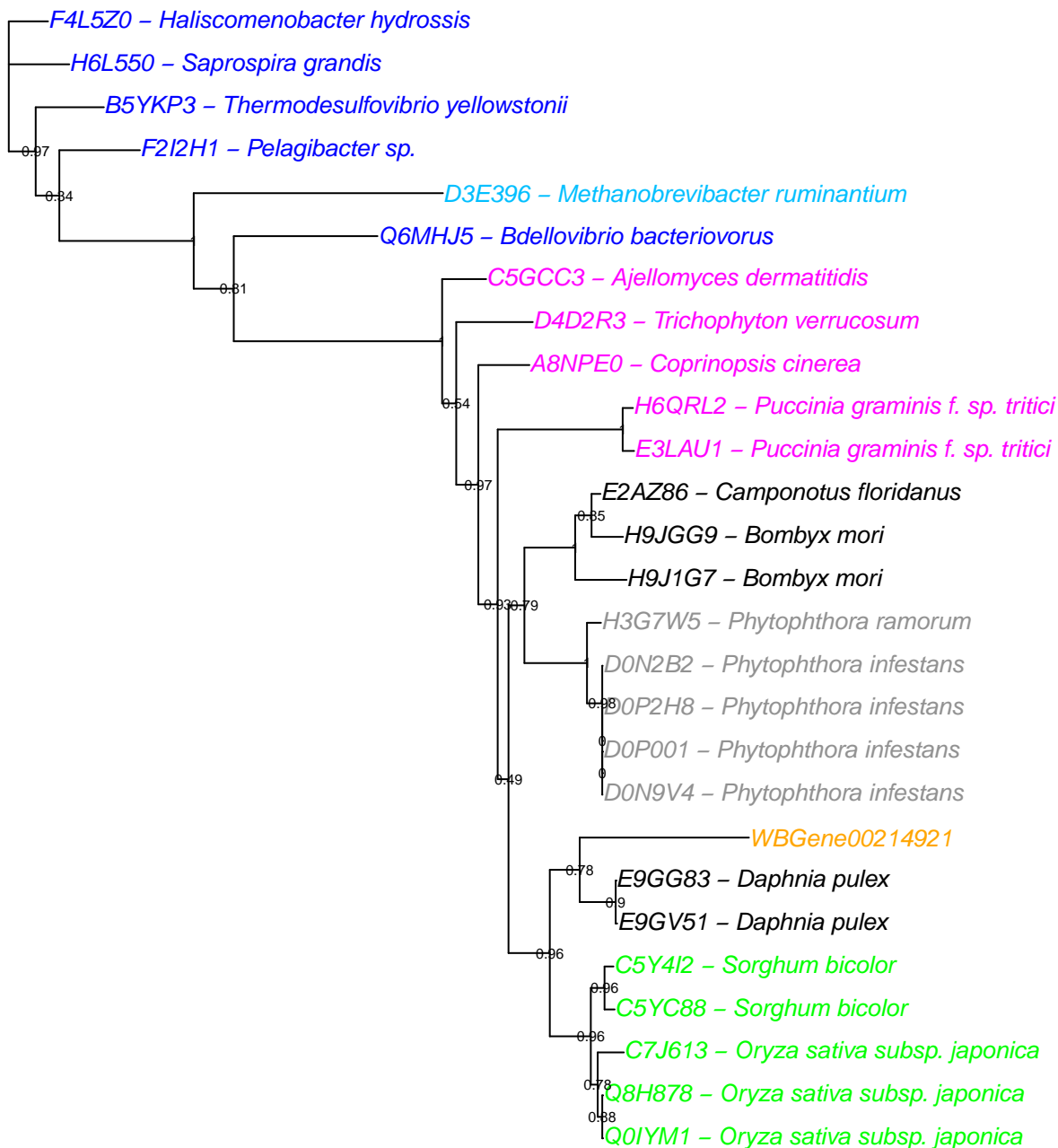




A5CV73 – *Clavibacter michiganensis* subsp. *michiganensis*

B0RDJ9 – *Clavibacter michiganensis* subsp. *sepedonicus*

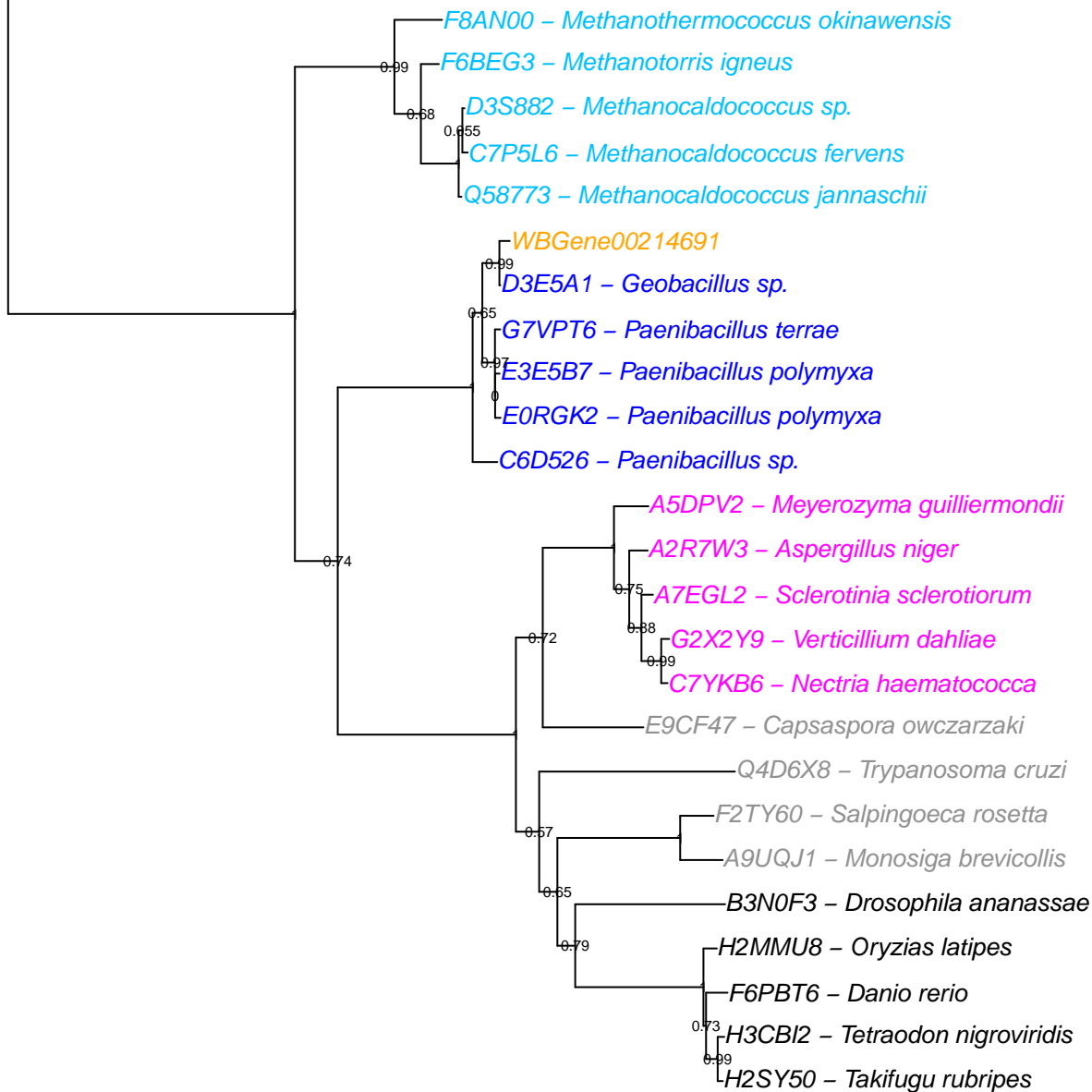


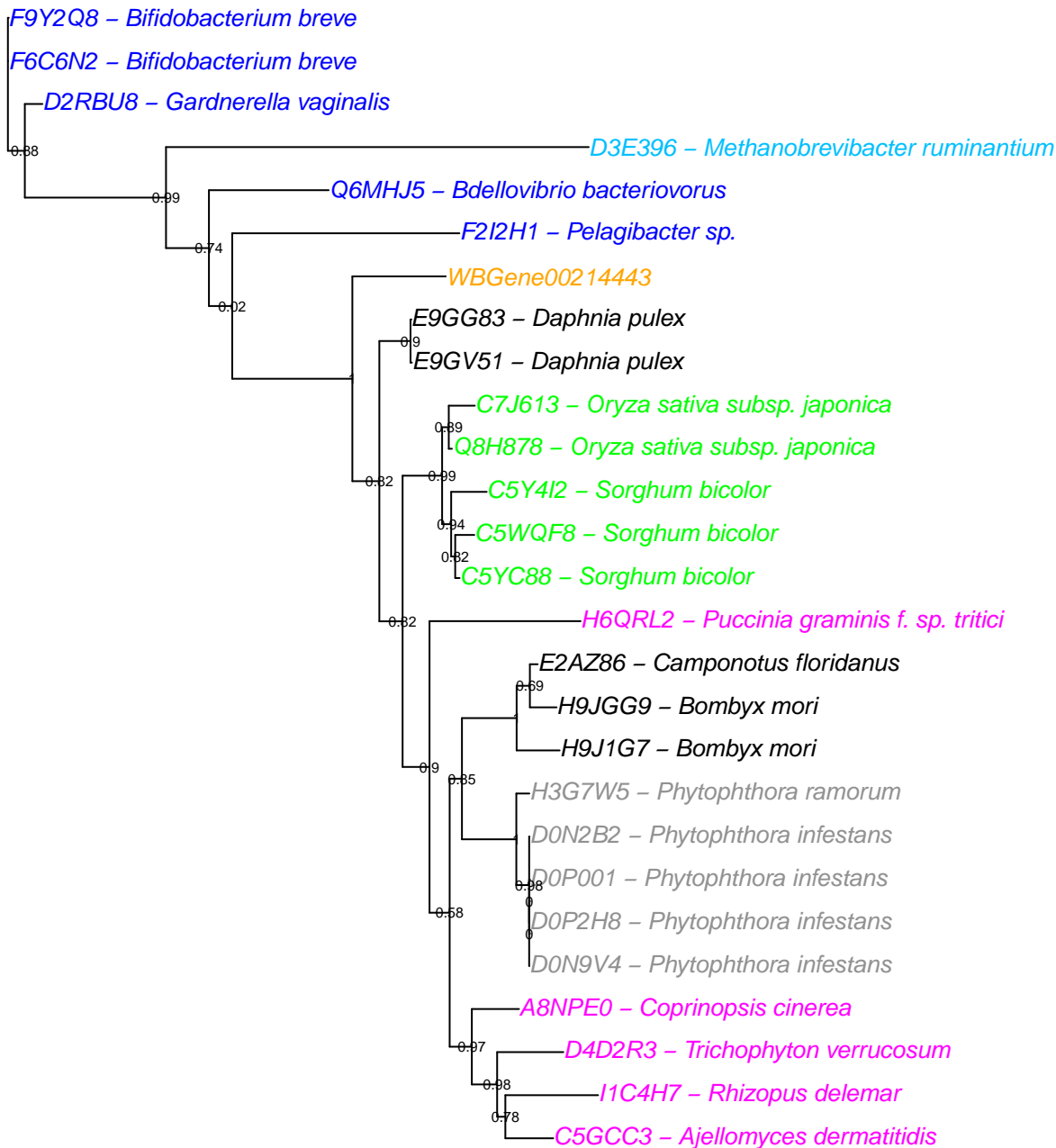


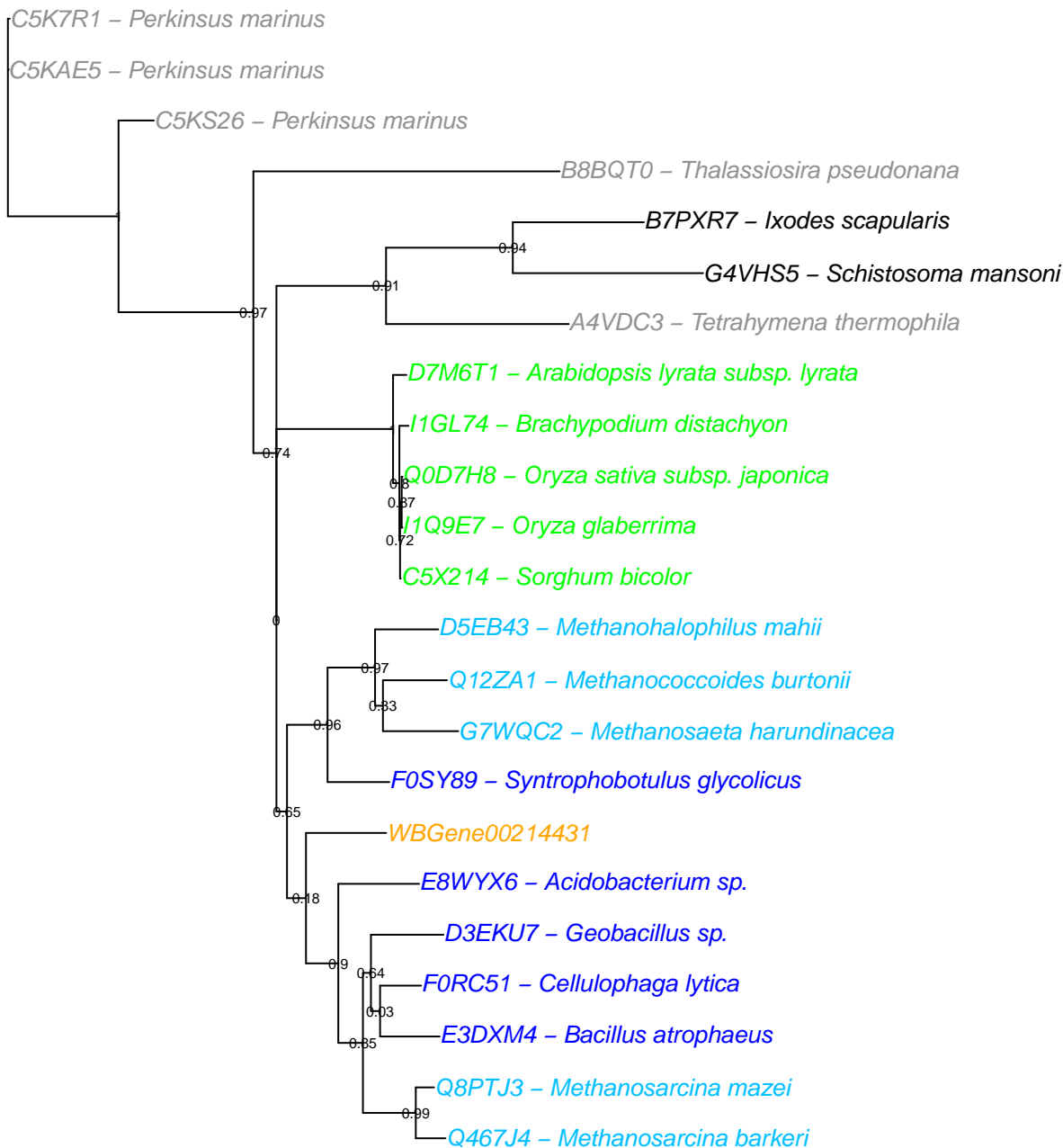


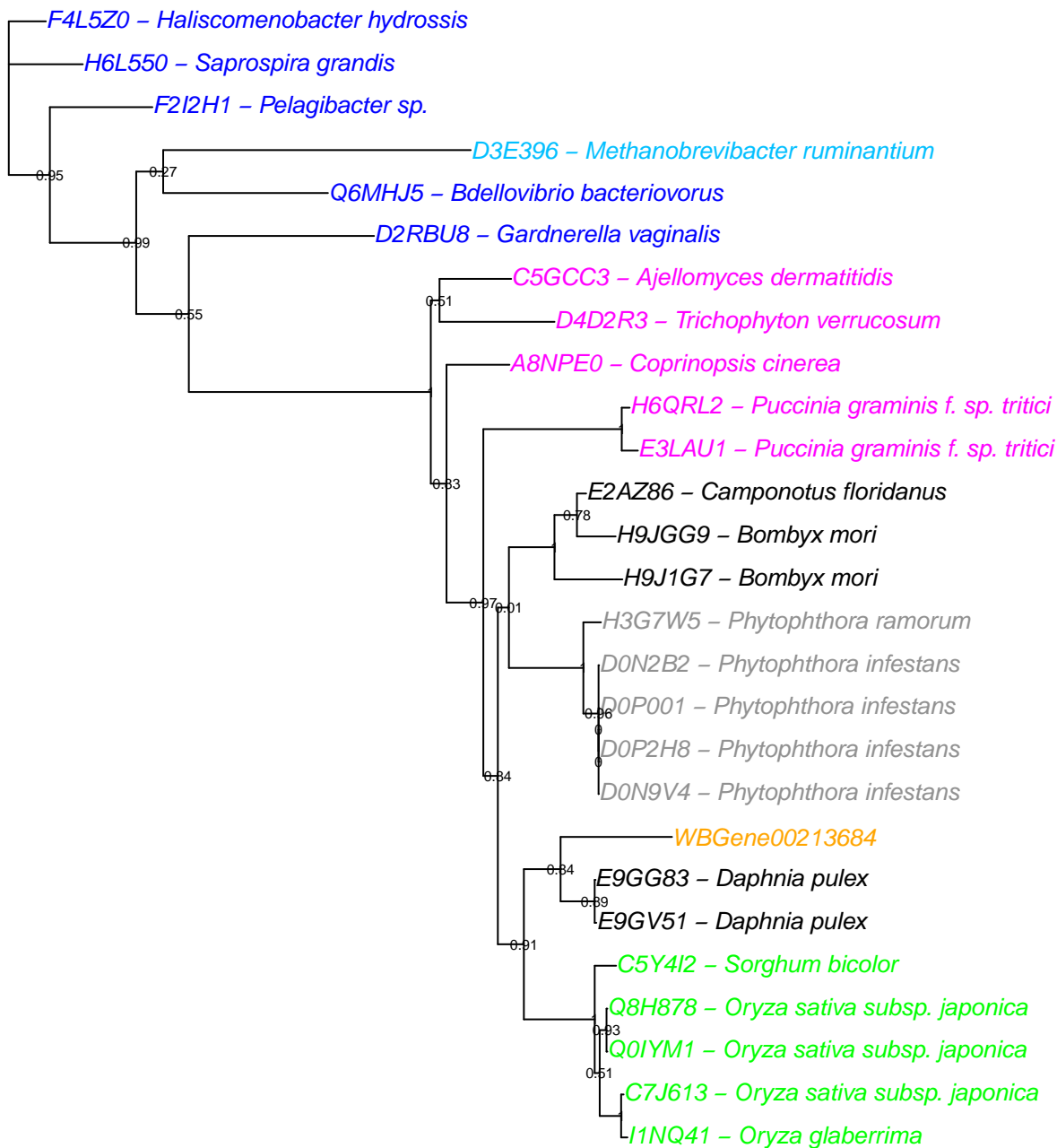
D8RF71 – *Selaginella moellendorffii*

D8SDC5 – *Selaginella moellendorffii*



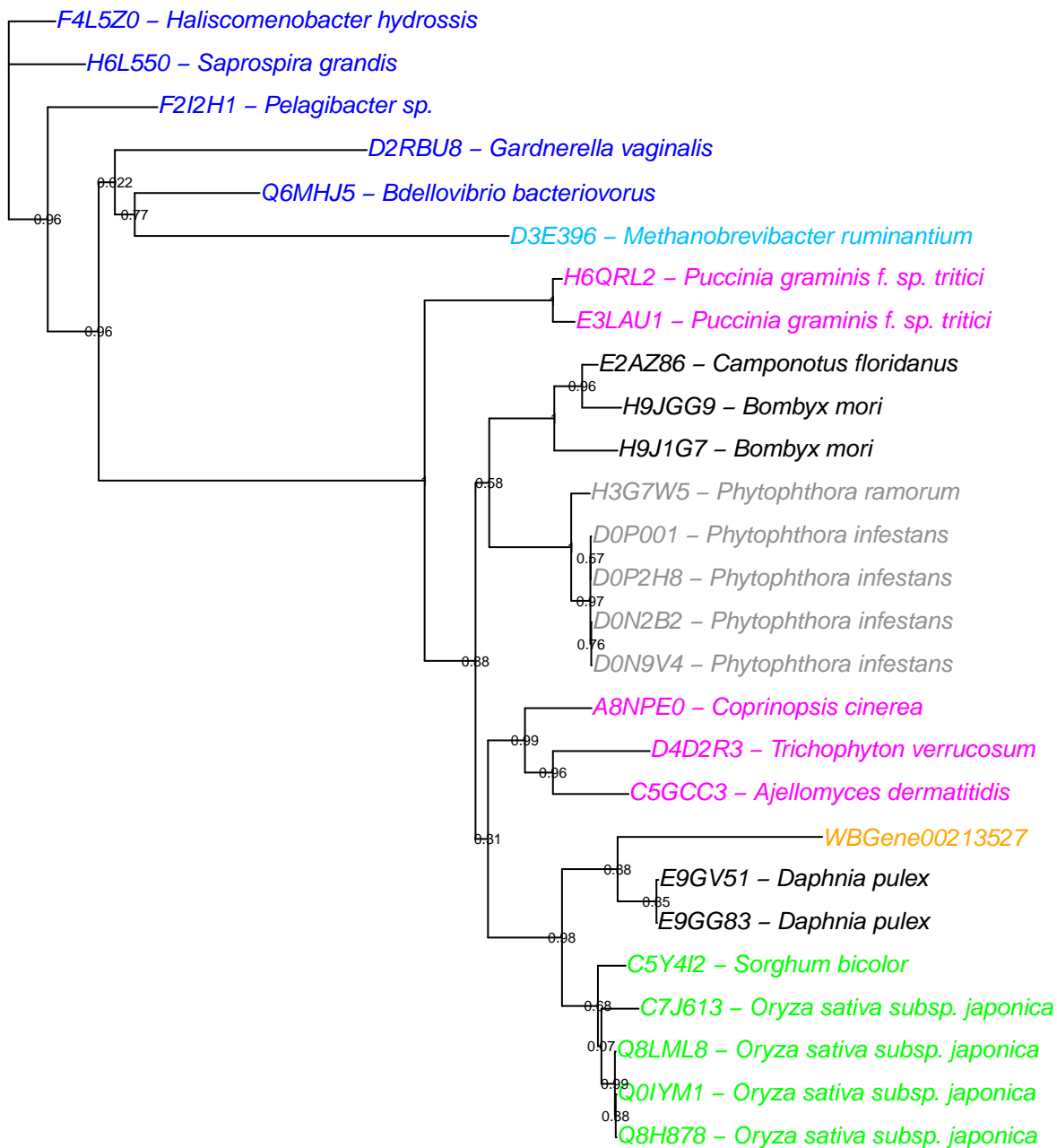






A3M6I0 – *Acinetobacter baumannii*

Q8H878 – *Oryza sativa* subsp. *japonica*



H3BNS4 – *Homo sapiens*

H3BNF0 – *Homo sapiens*

H9JBS8 – *Bombyx mori*

C6A2G2 – *Thermococcus sibiricus*

Q9UZ60 – *Pyrococcus abyssi*

F4HIV1 – *Pyrococcus* sp.

F0LHD4 – *Thermococcus barophilus*

C5A1S5 – *Thermococcus gammatolerans*

G4T4I0 – *Methylobacterium alcaliphilum*

A7FC89 – *Yersinia pseudotuberculosis* serotype O:1b

B3SEZ1 – *Trichoplax adhaerens*

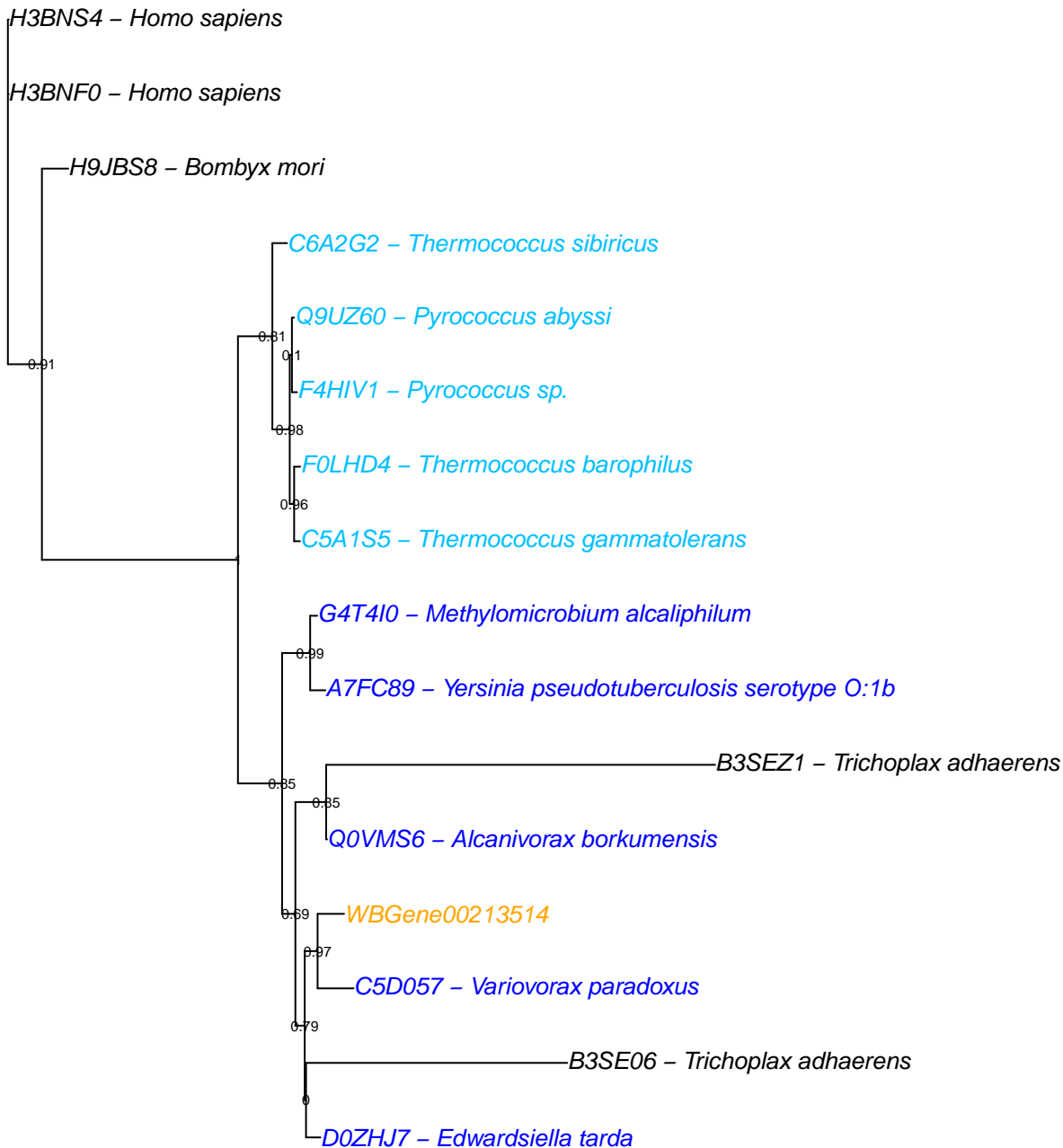
Q0VMS6 – *Alcanivorax borkumensis*

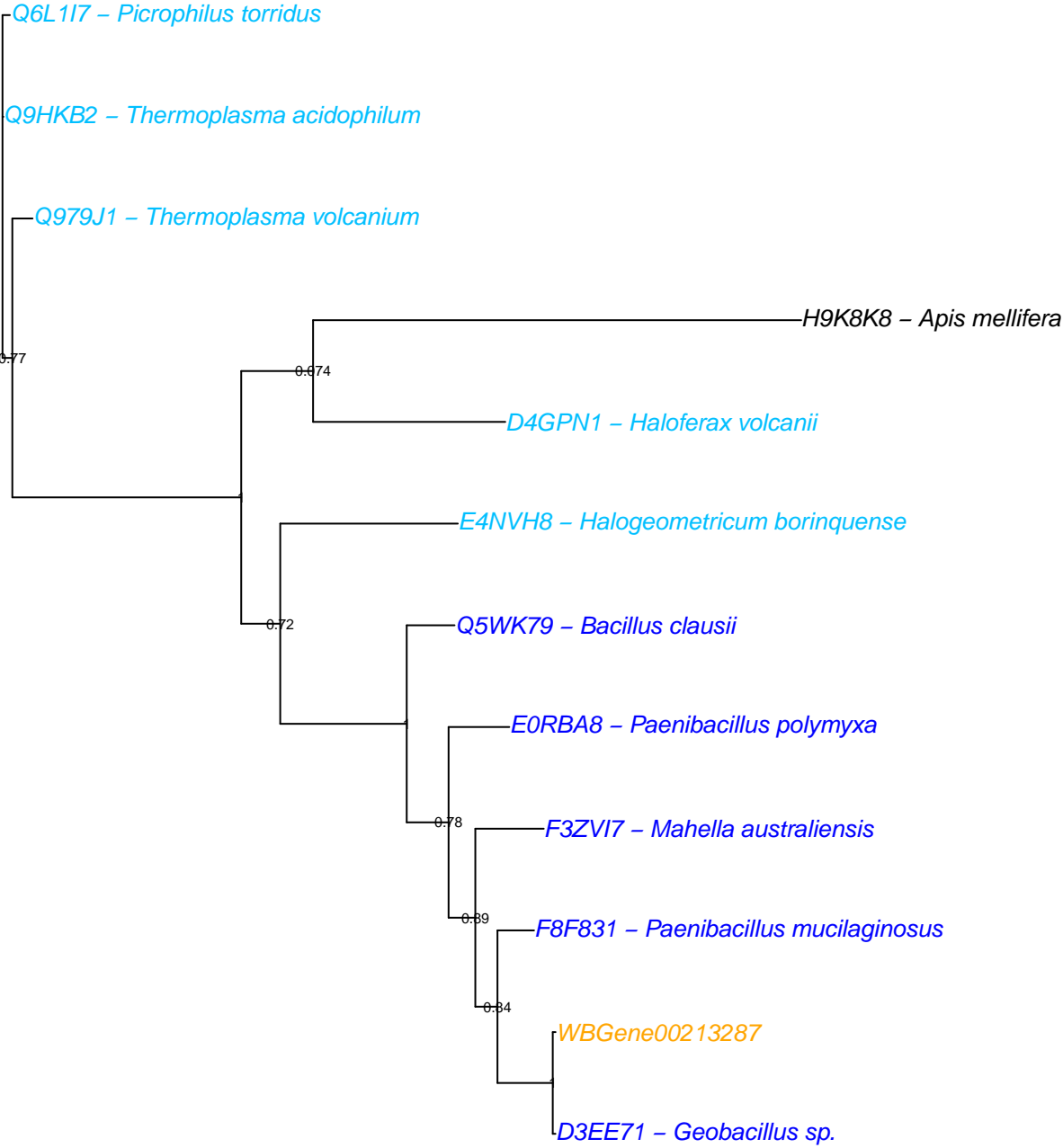
WBGene00213514

C5D057 – *Variovorax paradoxus*

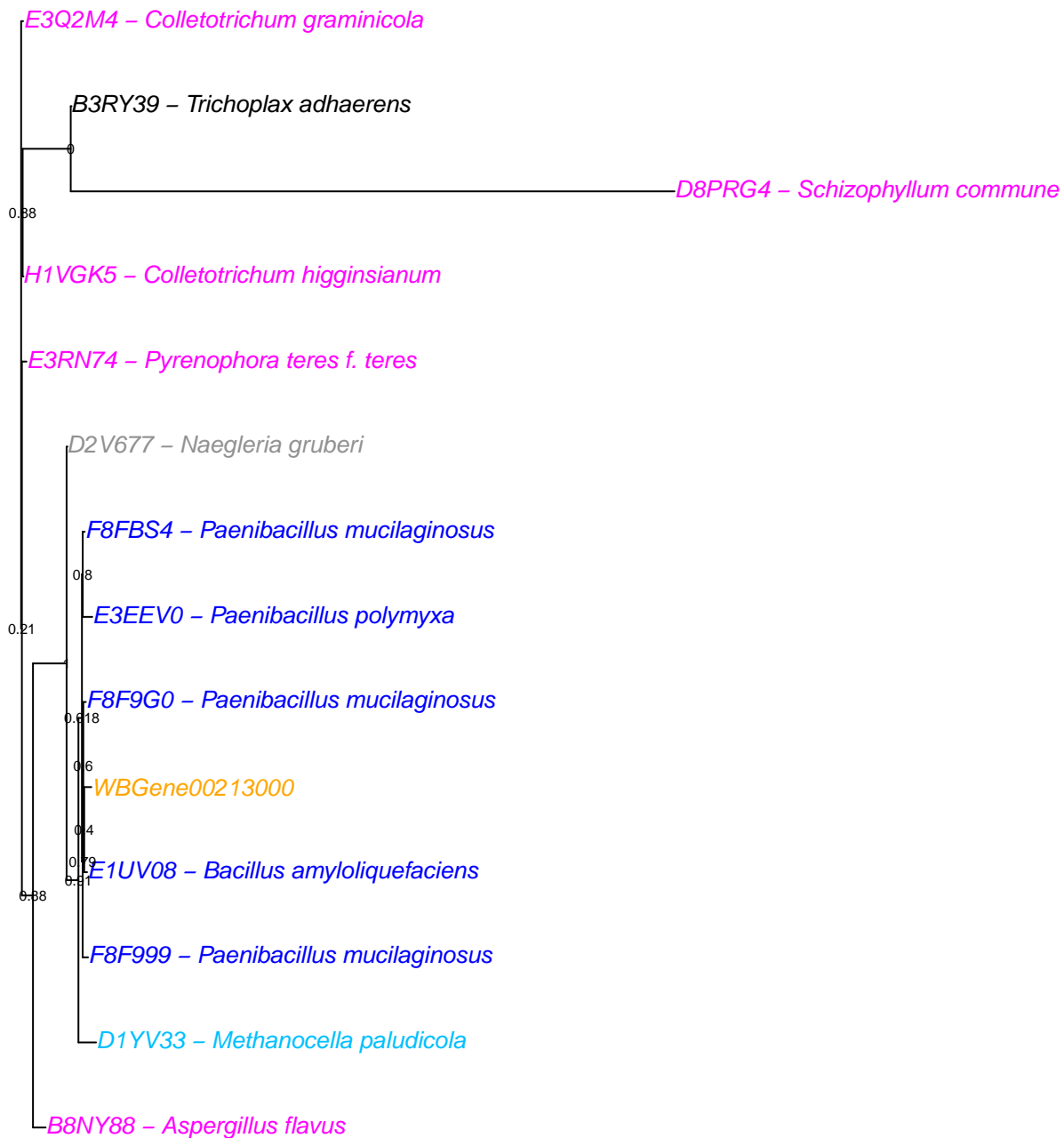
B3SE06 – *Trichoplax adhaerens*

D0ZHJ7 – *Edwardsiella tarda*









H3G651 – *Phytophthora ramorum*

-A8ND84 – *Coprinopsis cinerea*

-Q6MHJ5 – *Bdellovibrio bacteriovorus*

– *D3E396* – *Methanobrevibacter ruminantium*

-F2I2H1 – *Pelagibacter* sp.

—F4L5Z0 – *Haliscomenobacter hydrossis*

—H6L550 – *Saprospira grandis*

–B5YKP3 – *Thermodesulfovibrio yellowstonii*

– H2VQP2 – *Caenorhabditis japonica*

## H2X1F4 – *Caenorhabditis japonica*

**H2X1B1 – *Caenorhabditis japonica***

– *WBGene00212496*

– H2W8M8 – *Caenorhabditis japonica*

—H2XD84 – *Caenorhabditis japonica*

E9GV51 – *Daphnia pulex*

E9GG83 – *Daphnia pulex*

-C5Y260 – *Sorghum bicolor*

—C5Y4I2 – *Sorghum bicolor*

0.99 C7J613 – *Oryza sativa* subsp. *japonica*

Q8H878 – *Oryza sativa* subsp. *japonica*

Q0IYM1 – *Oryza sativa* subsp. *japonica*

-H9J1G7 - *Bombyx mori*

✓E2AZ86 – *Camponotus floridanus*

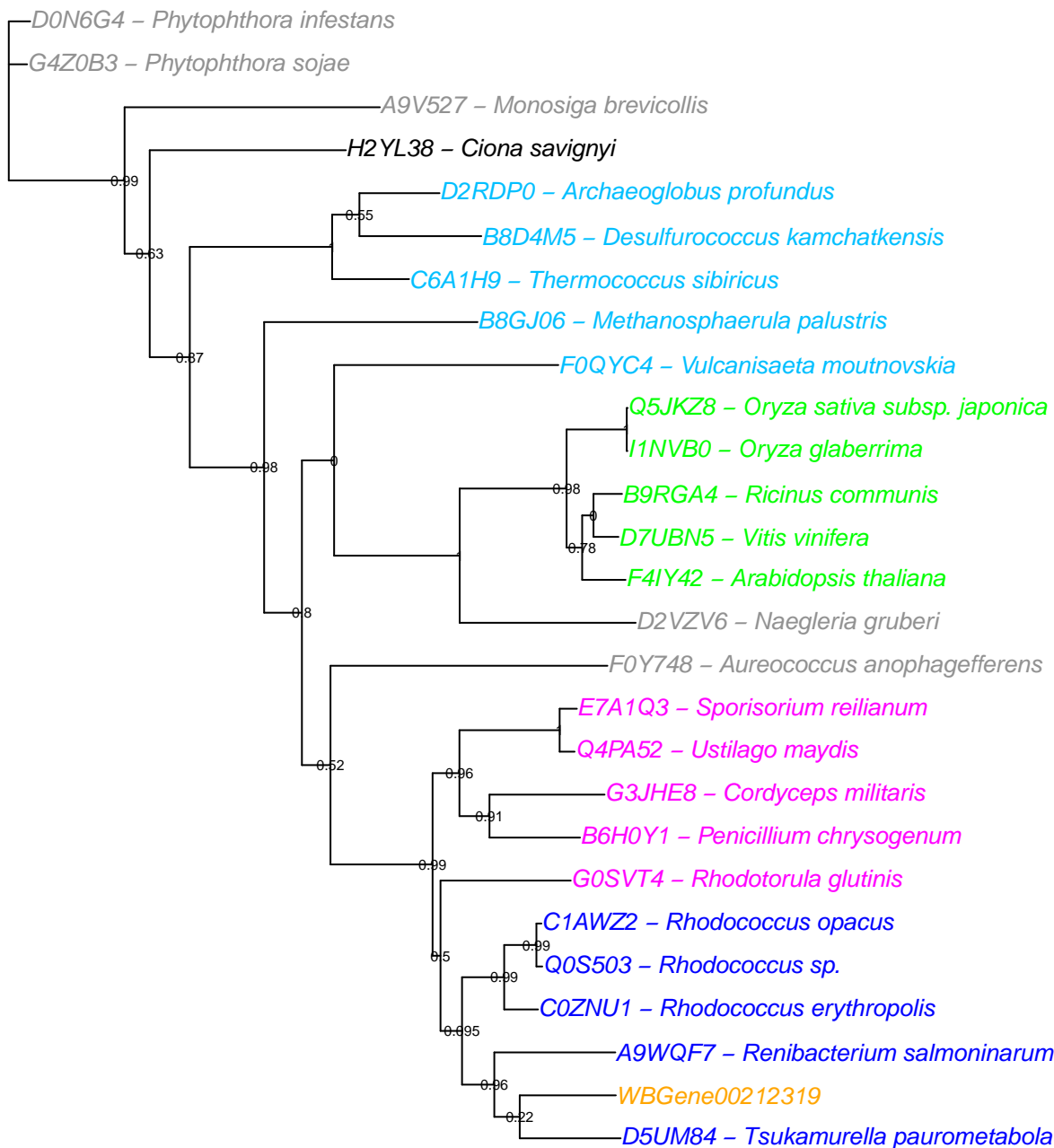
—H9JGG9 – *Bombyx mori*

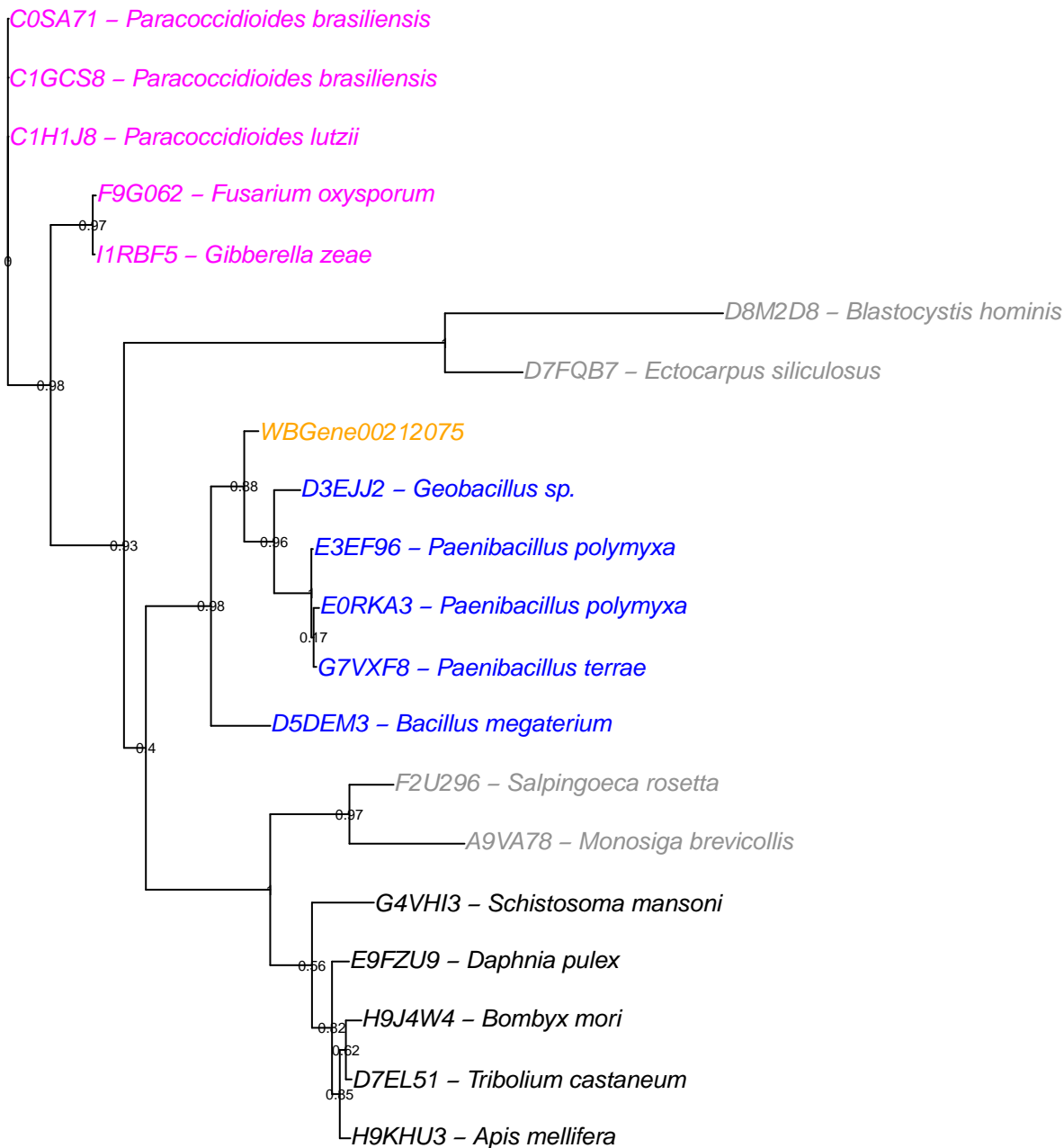
– E3LAU1 – *Puccinia graminis* f. sp. tritici

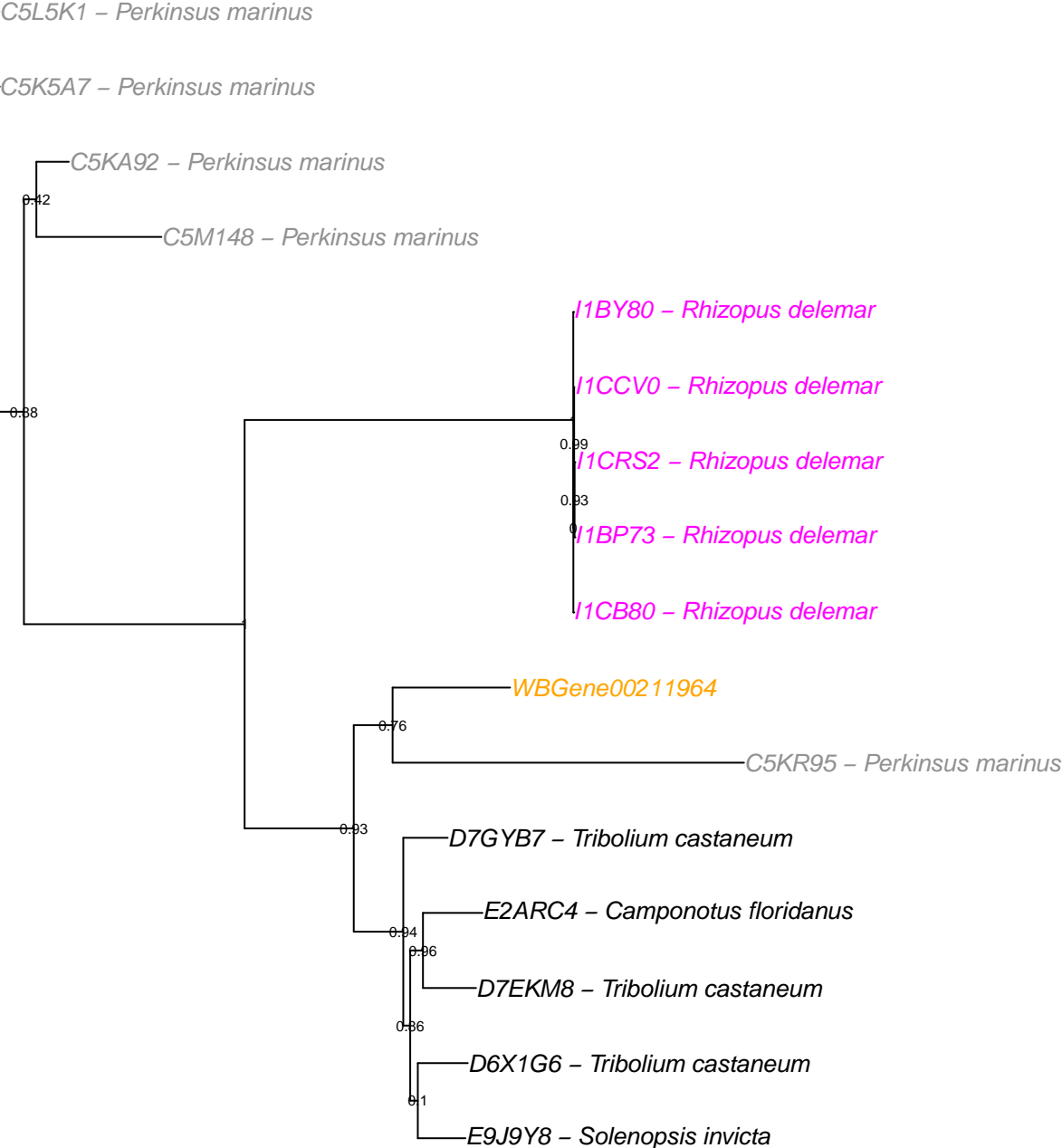
**H6QRL2 – *Puccinia graminis* f. sp. tritici**

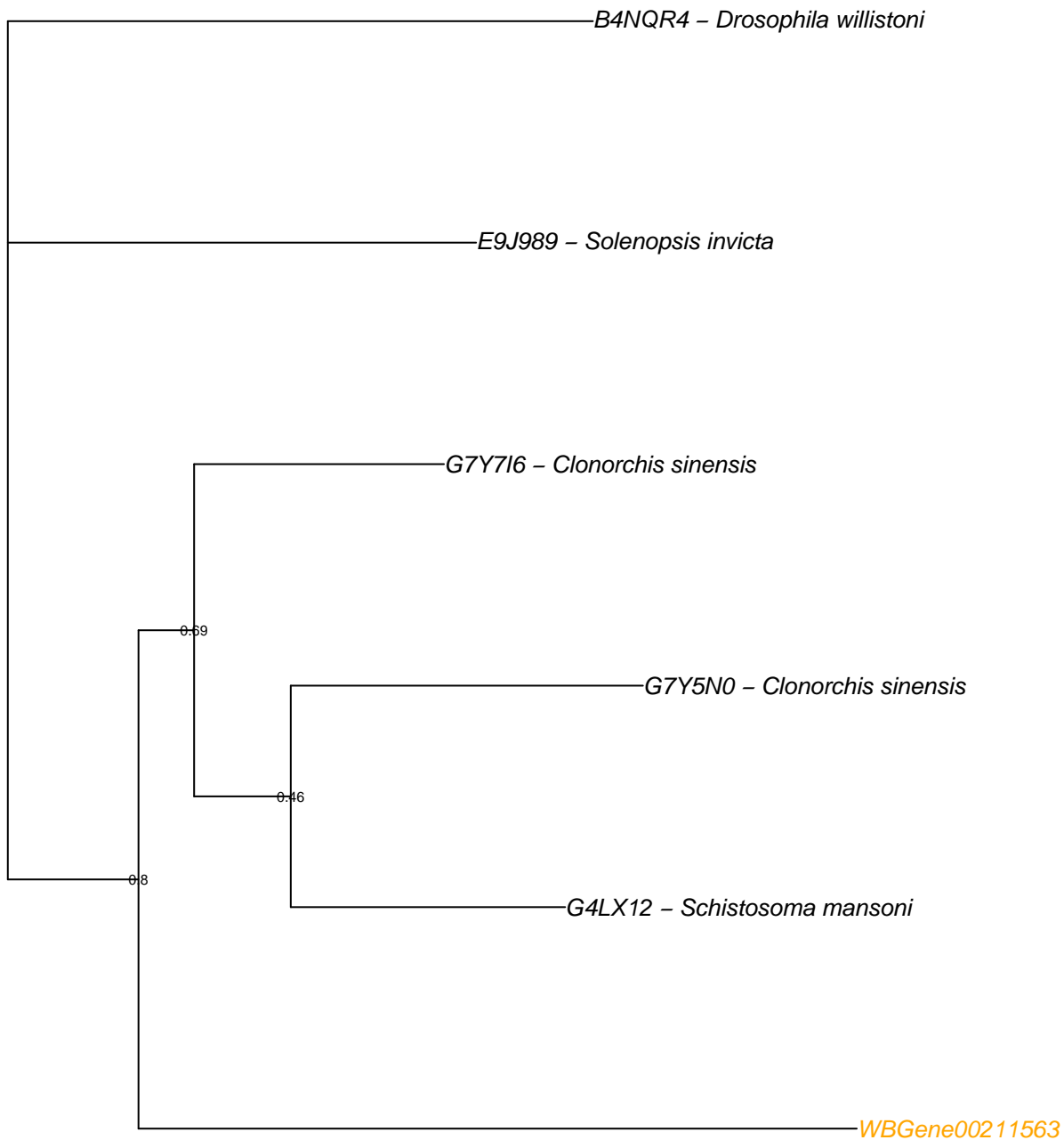
-A8NPE0 – *Coprinopsis cinerea*

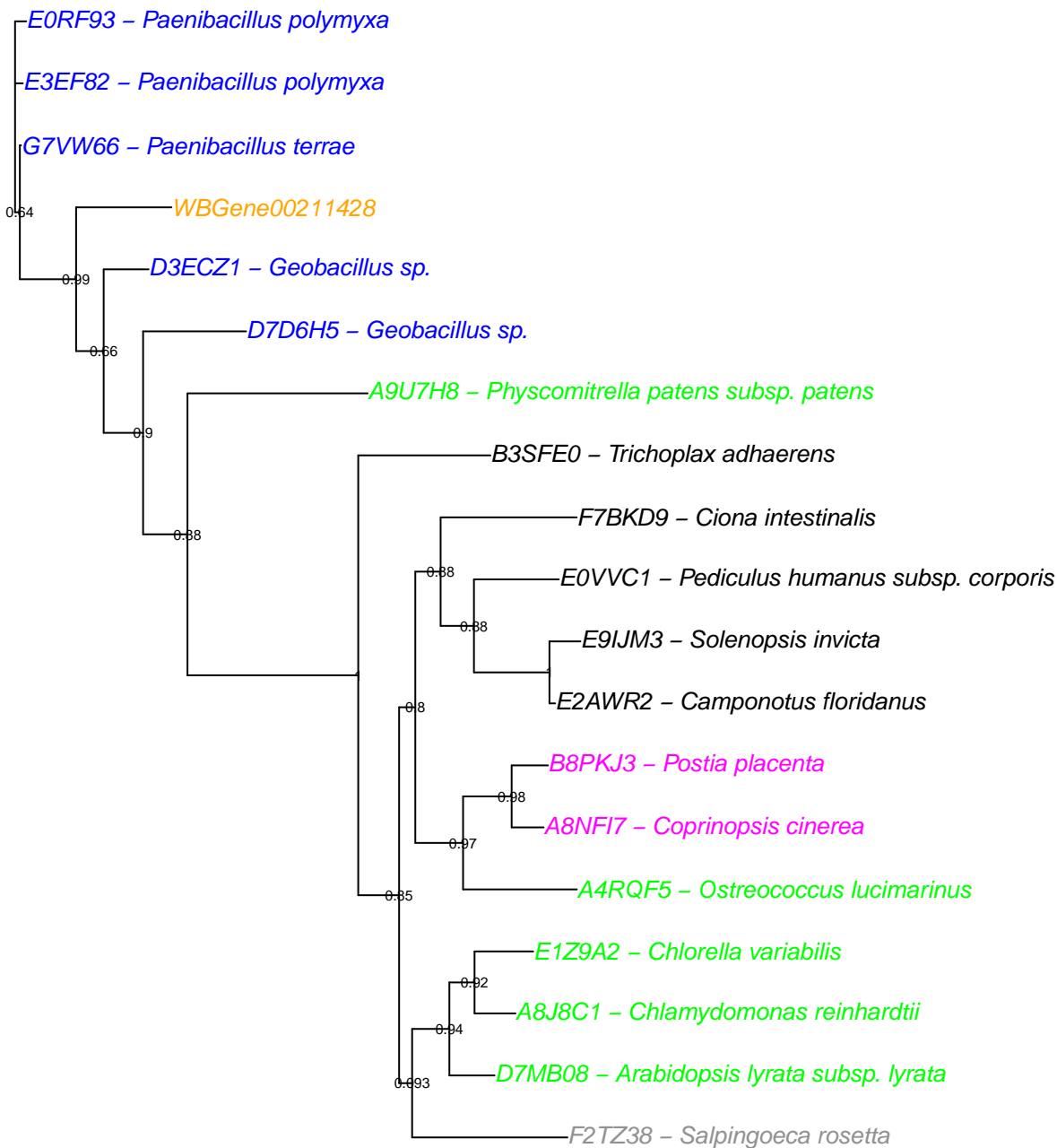
-D4D2R3 – *Trichophyton verrucosum*

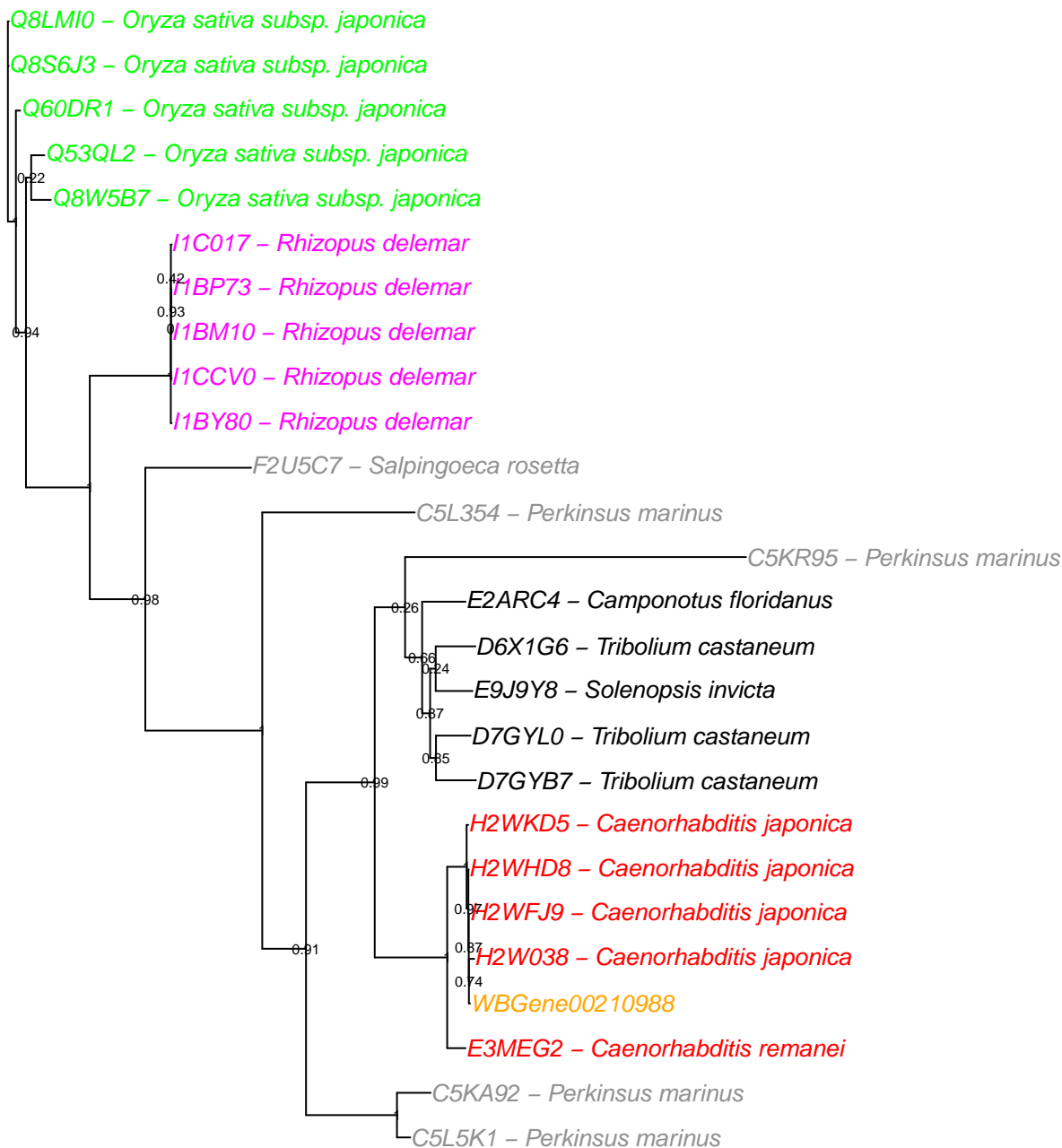




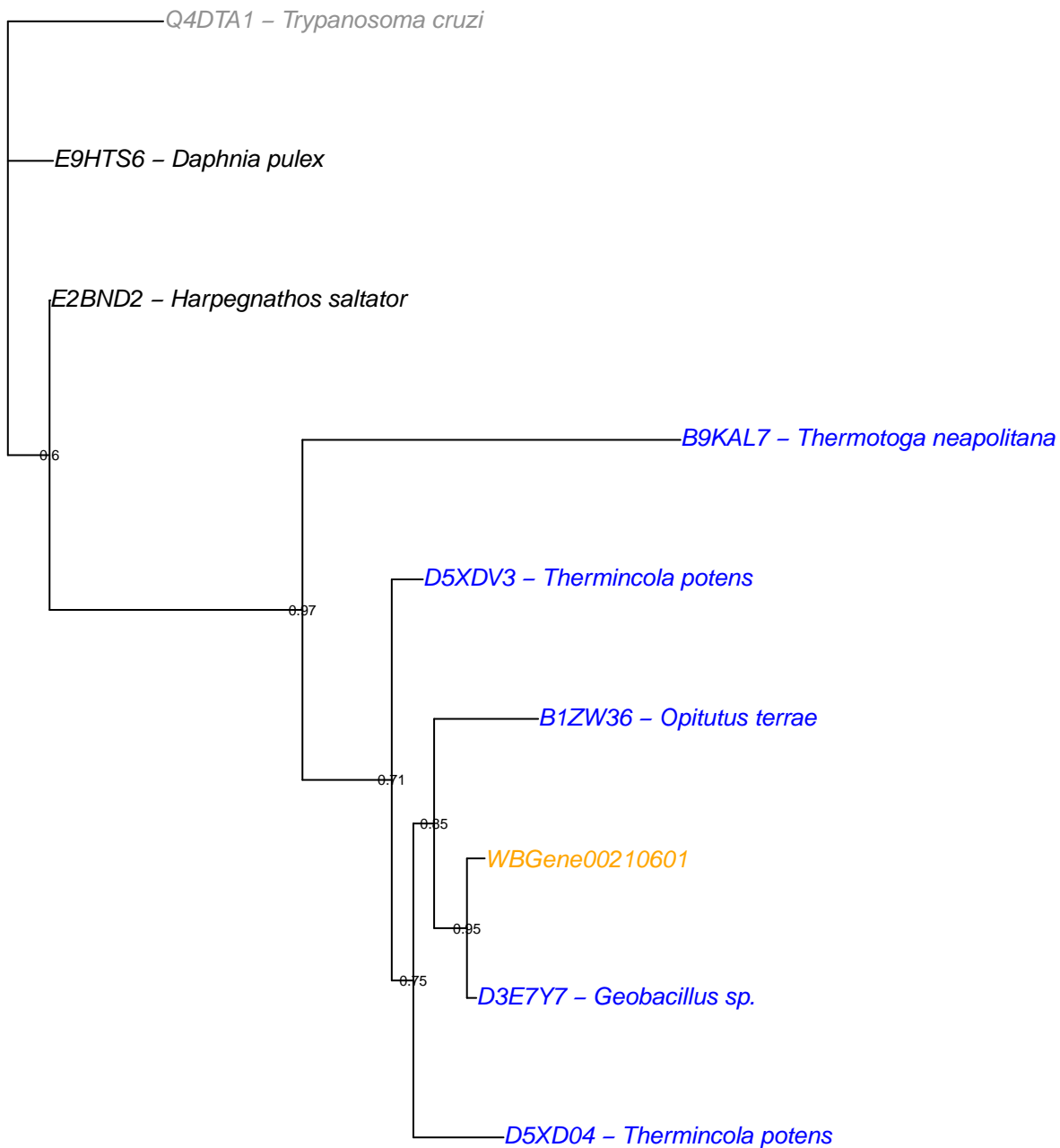












B7IAN0 – *Acinetobacter baumannii*

B7H158 – *Acinetobacter baumannii*

B2HTR8 – *Acinetobacter baumannii*

E8PIU8 – *Acinetobacter baumannii*

A3M6I0 – *Acinetobacter baumannii*

D3E396 – *Methanobrevibacter ruminantium*

0.64  
0.62  
I1C4H7 – *Rhizopus delemar*

0.6  
C5GCC3 – *Ajellomyces dermatitidis*

0.6  
D4D2R3 – *Trichophyton verrucosum*

A8NPE0 – *Coprinopsis cinerea*

H6QRL2 – *Puccinia graminis f. sp. tritici*

0.88  
D7ELD7 – *Tribolium castaneum*

0.79  
D7ELE3 – *Tribolium castaneum*

WBGene00209451

0.96  
H9JGG9 – *Bombyx mori*

0.93  
E2AZ86 – *Camponotus floridanus*

0.93  
H9J1G7 – *Bombyx mori*

0.63  
H3G7W5 – *Phytophthora ramorum*

0.6  
D0N2B2 – *Phytophthora infestans*

0.6  
D0N9V4 – *Phytophthora infestans*

0.94  
D0P001 – *Phytophthora infestans*

0.45  
0.19  
D0P2H8 – *Phytophthora infestans*

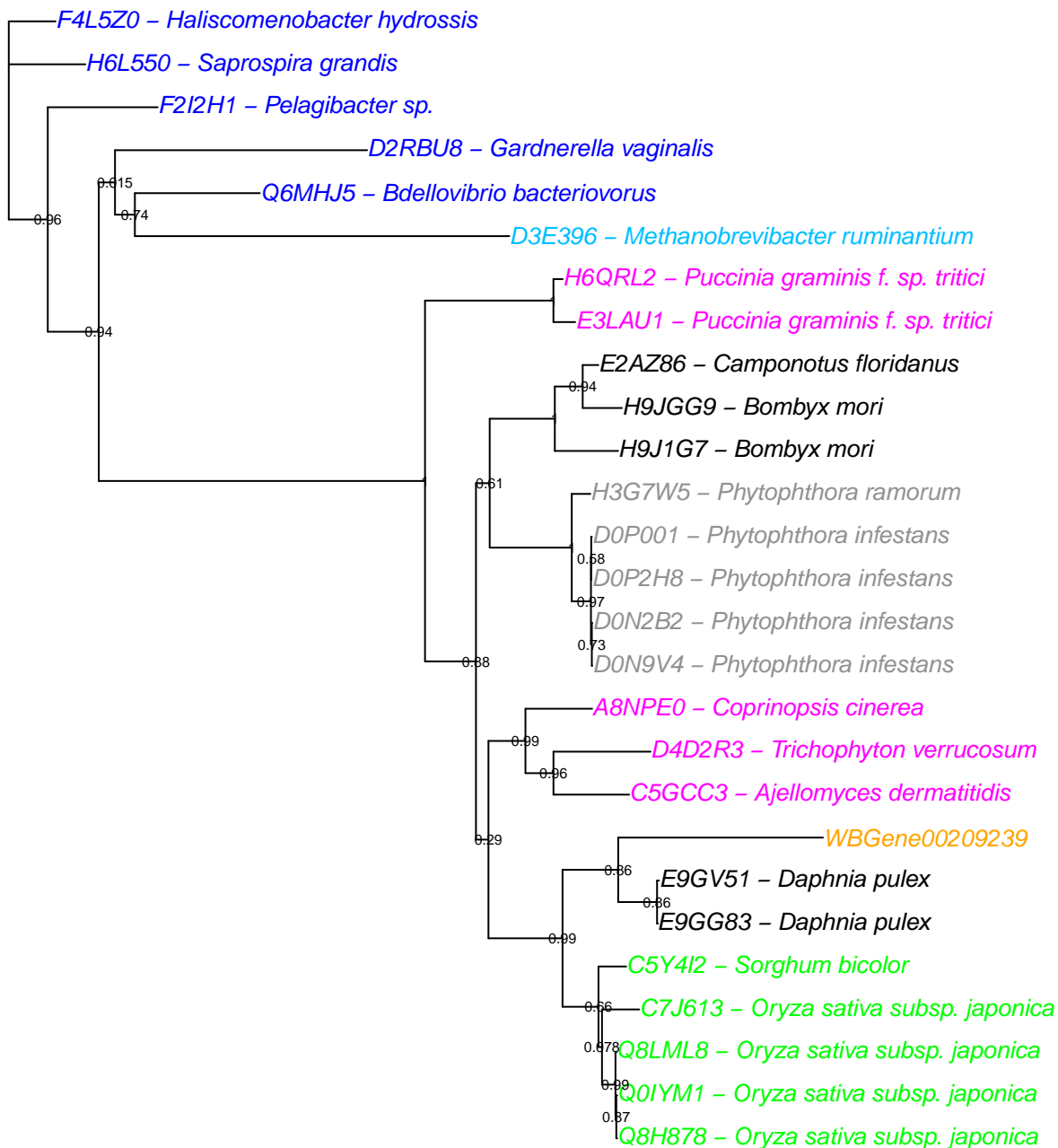
C5YC88 – *Sorghum bicolor*

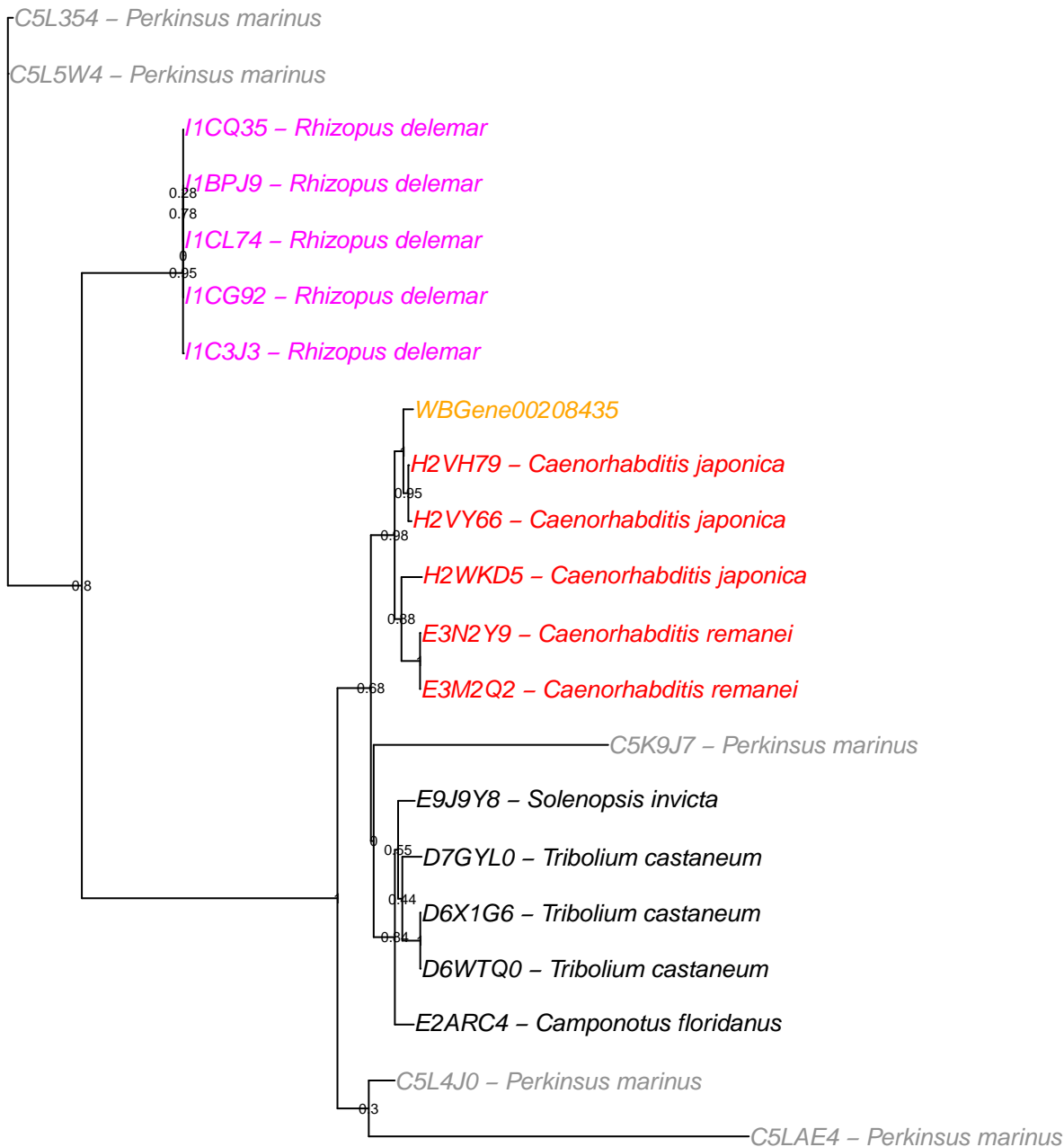
0.89  
C5WQF8 – *Sorghum bicolor*

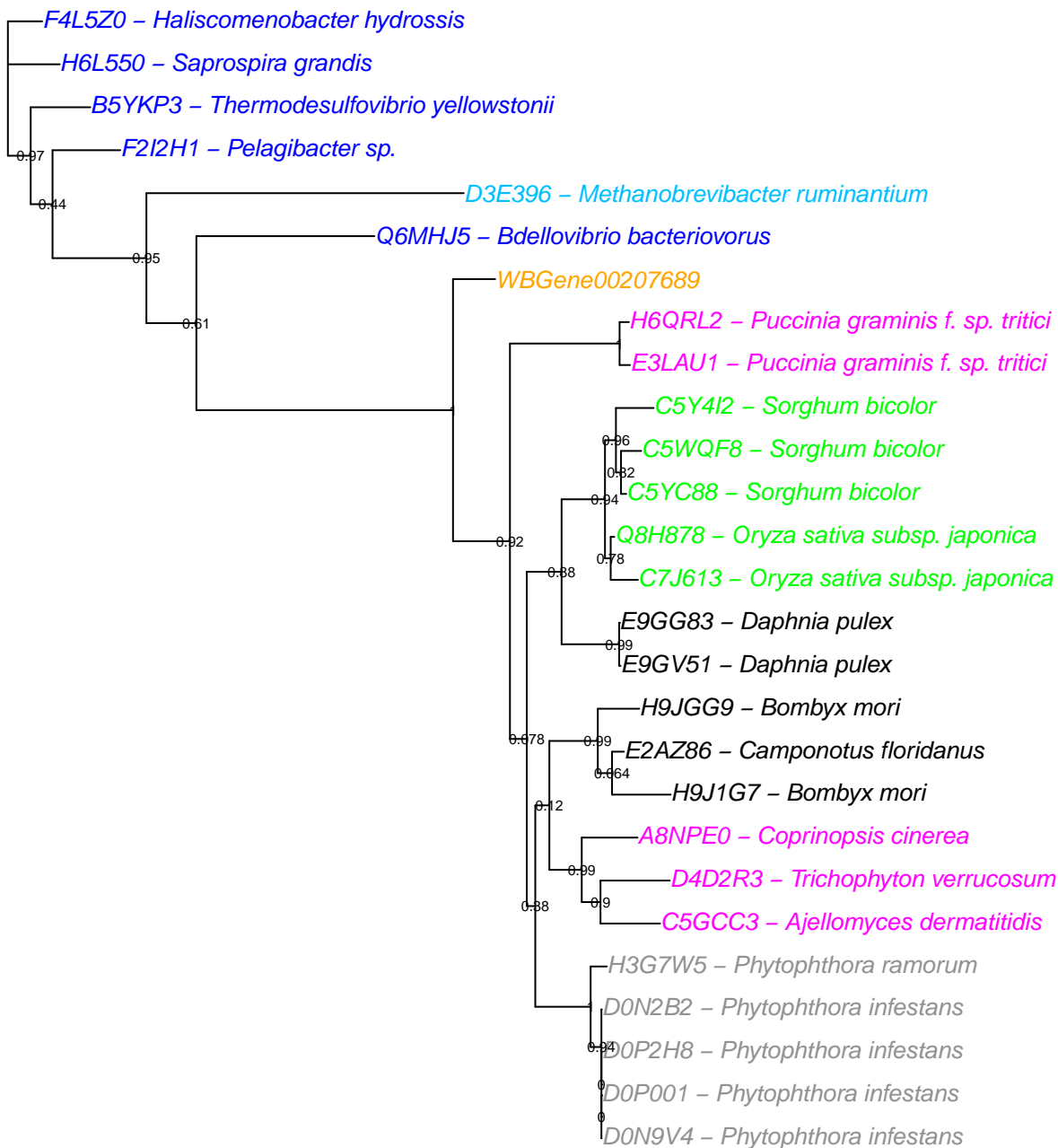
0.63  
C5Y4I2 – *Sorghum bicolor*

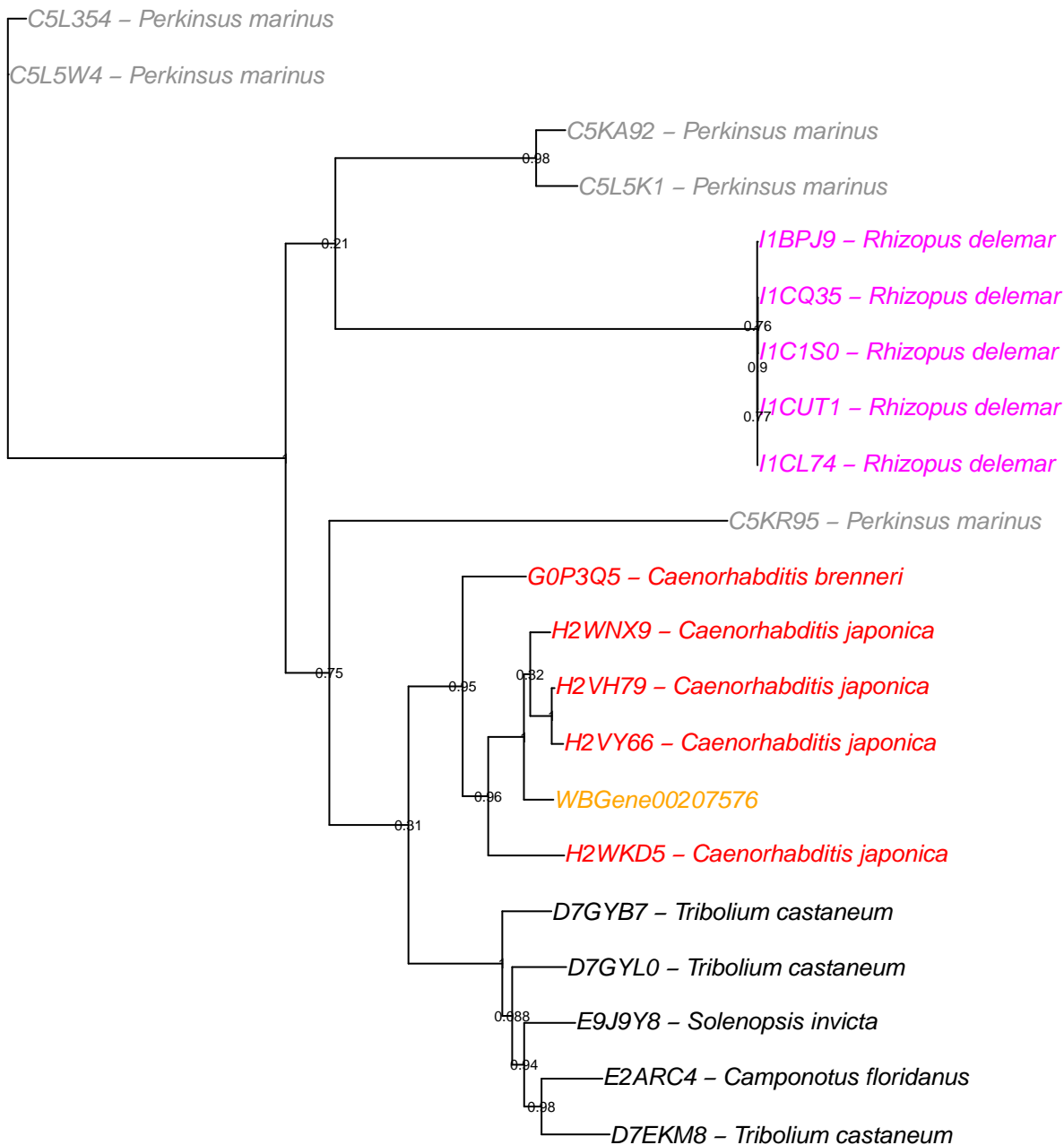
0.76  
C7J613 – *Oryza sativa subsp. japonica*

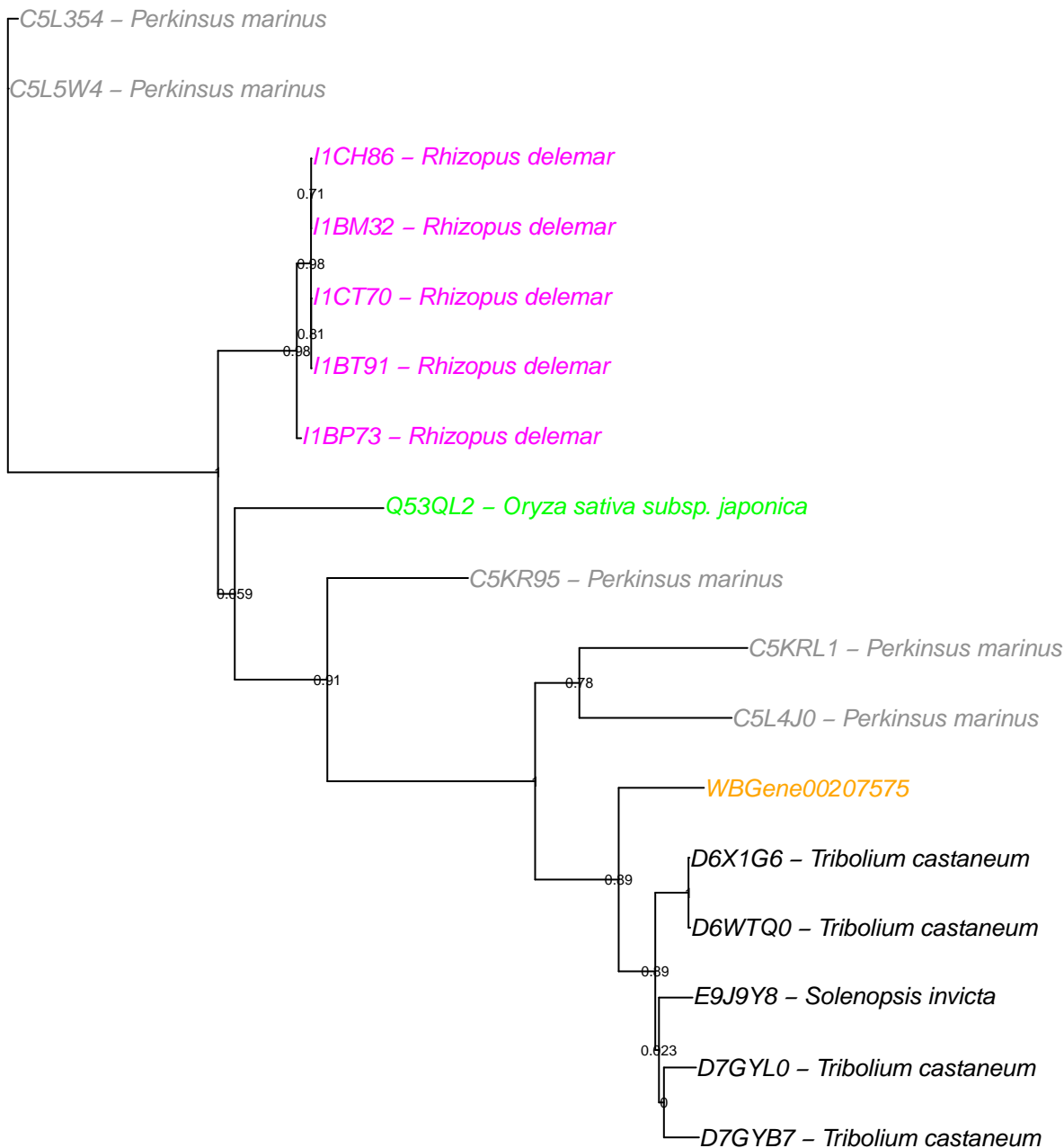
Q8H878 – *Oryza sativa subsp. japonica*

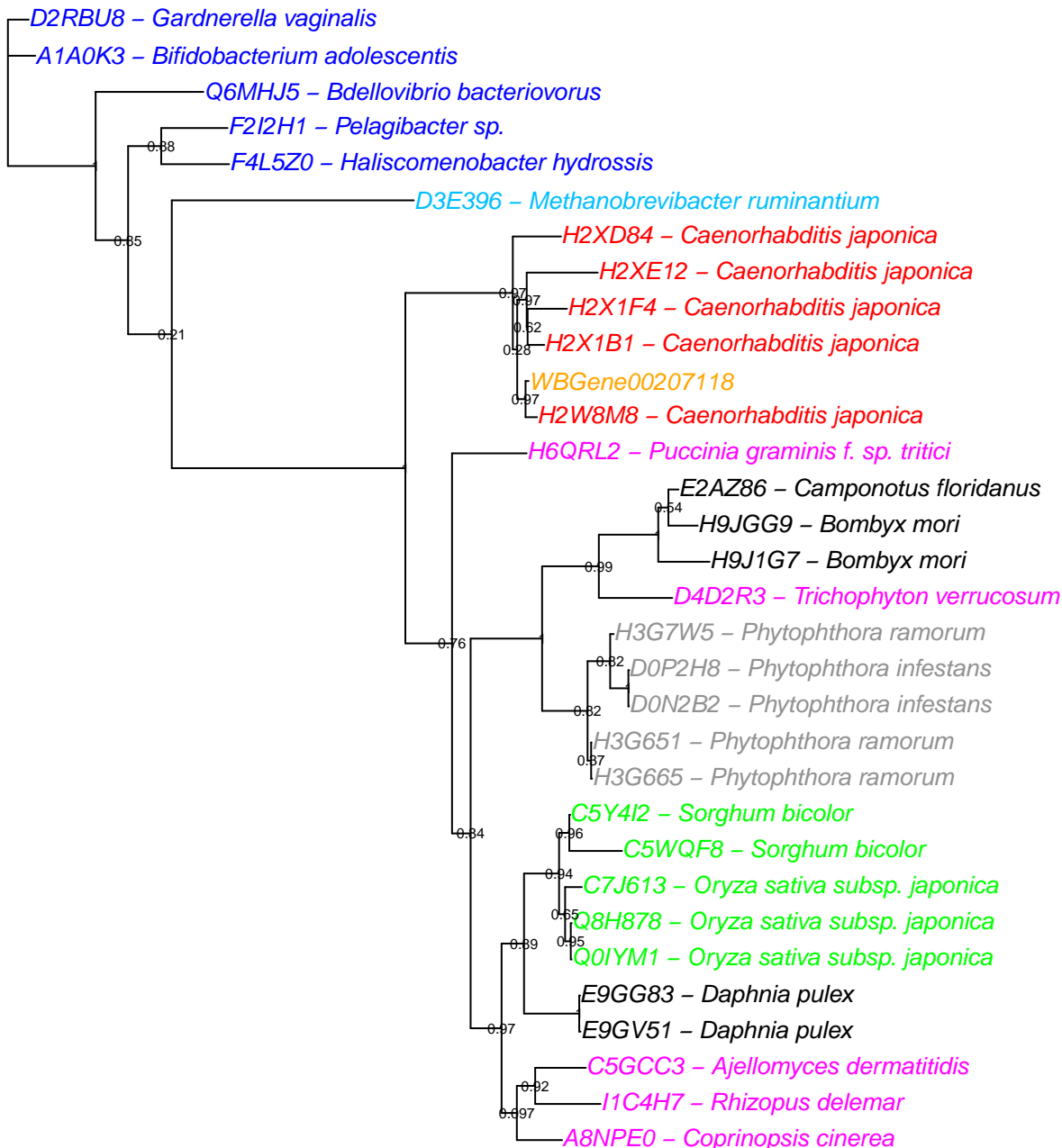




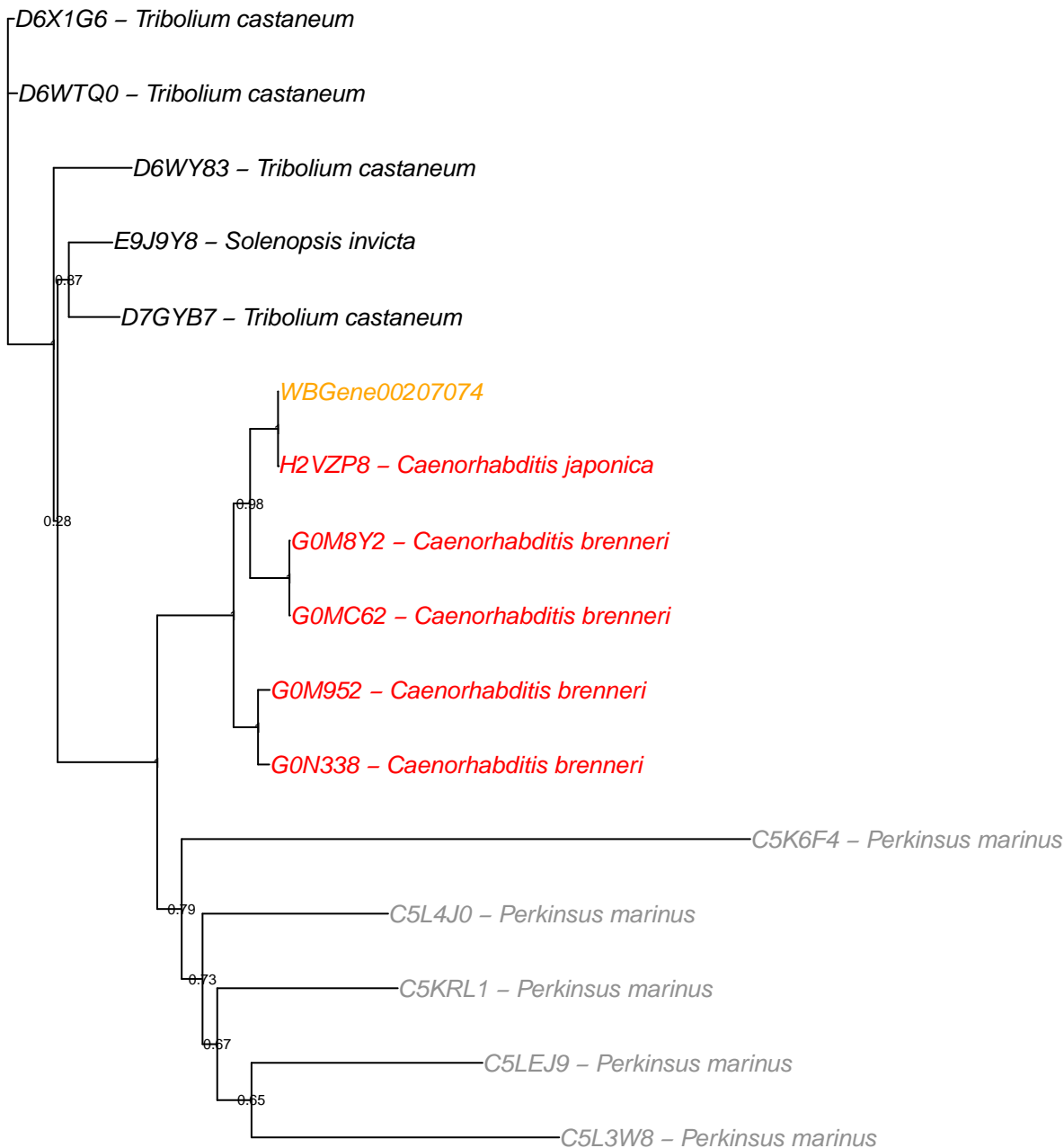


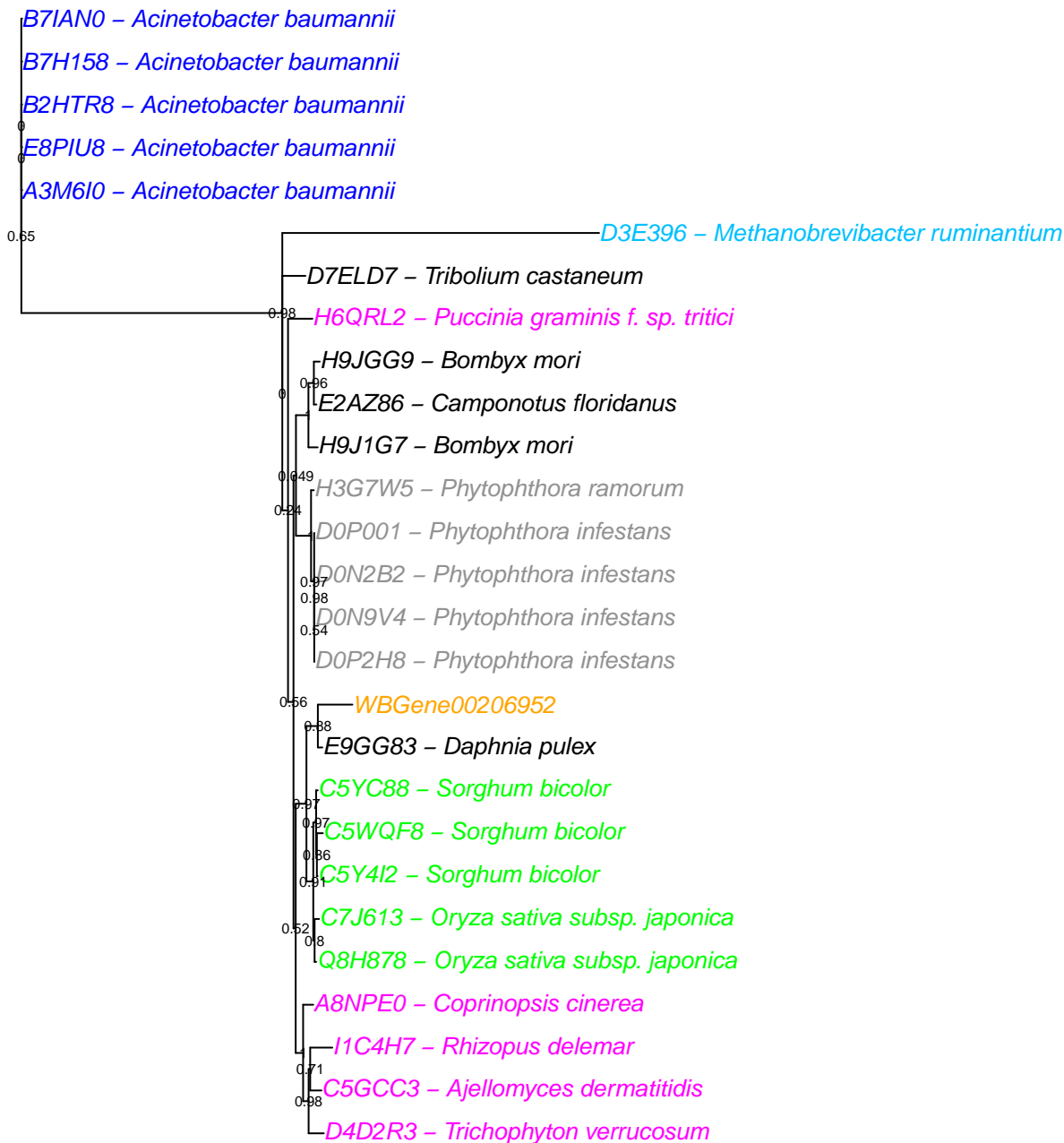


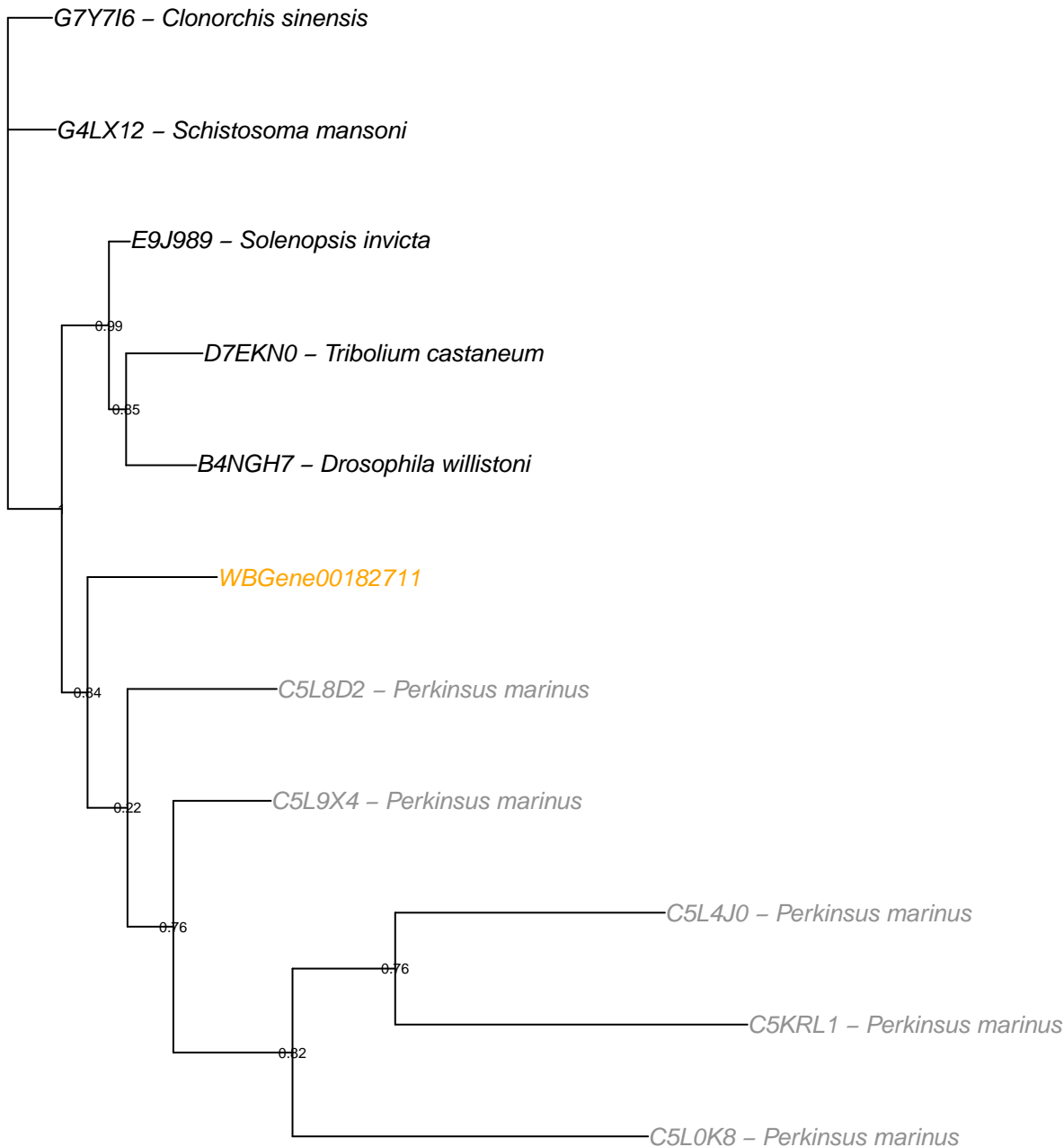


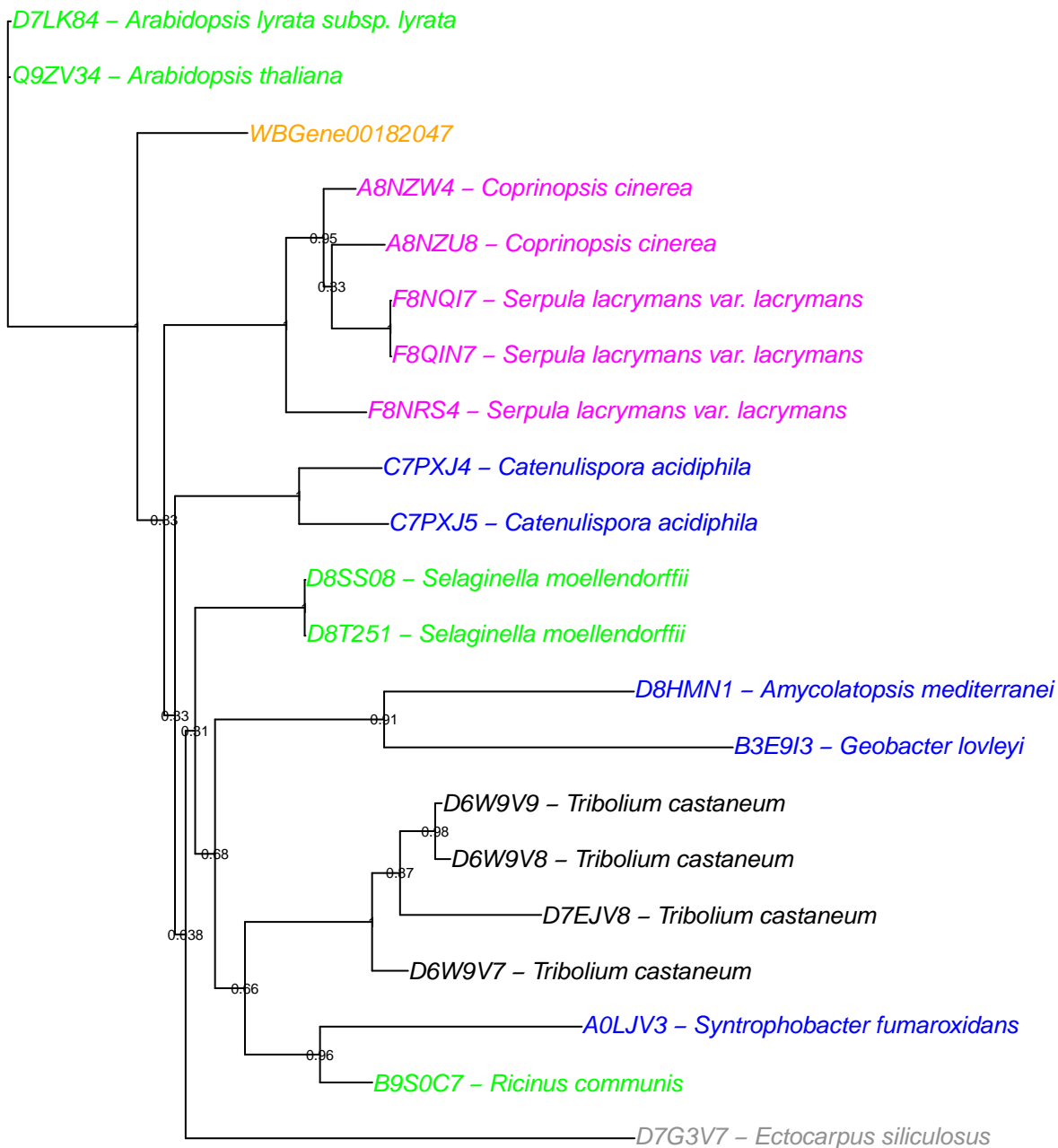




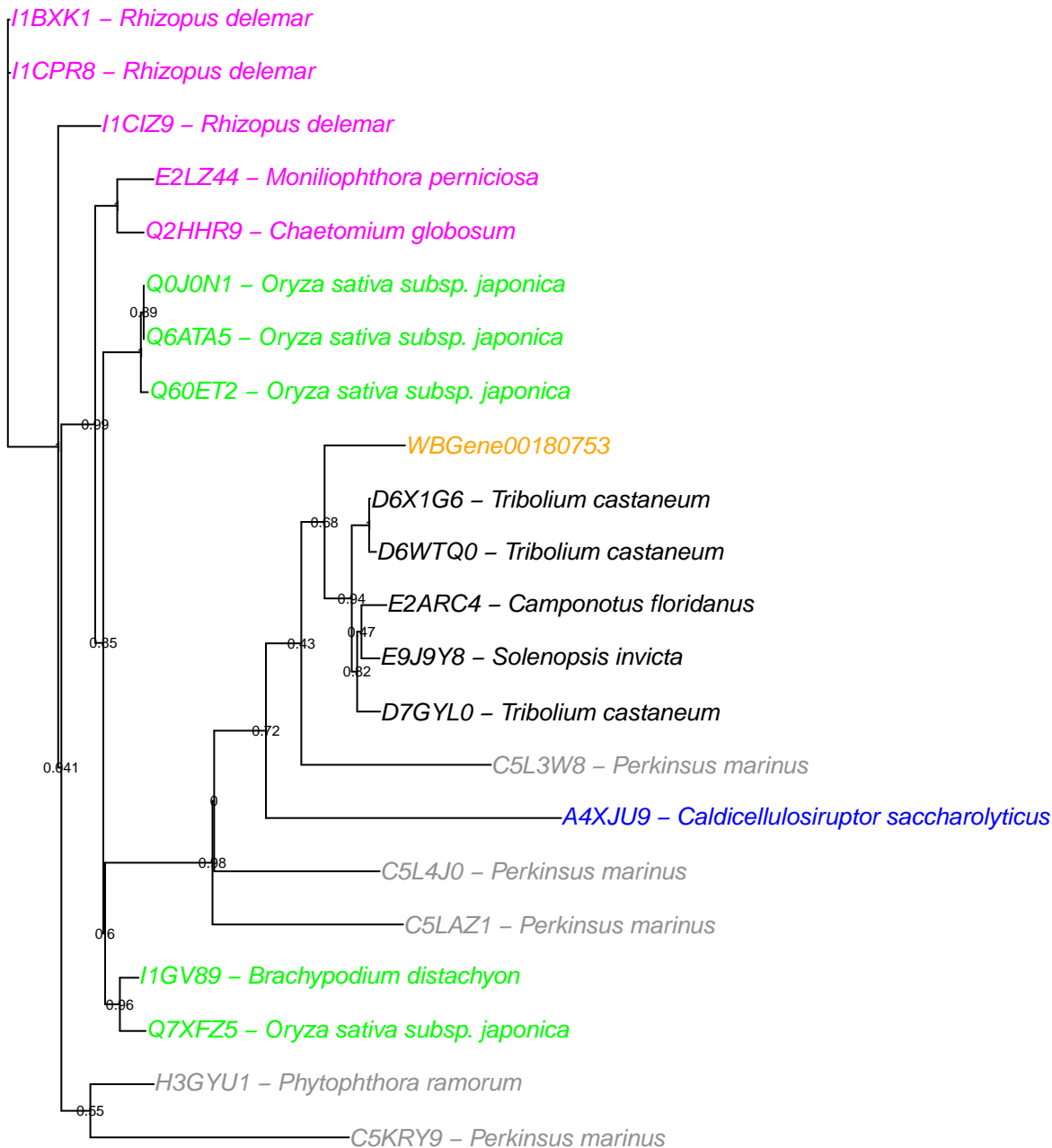


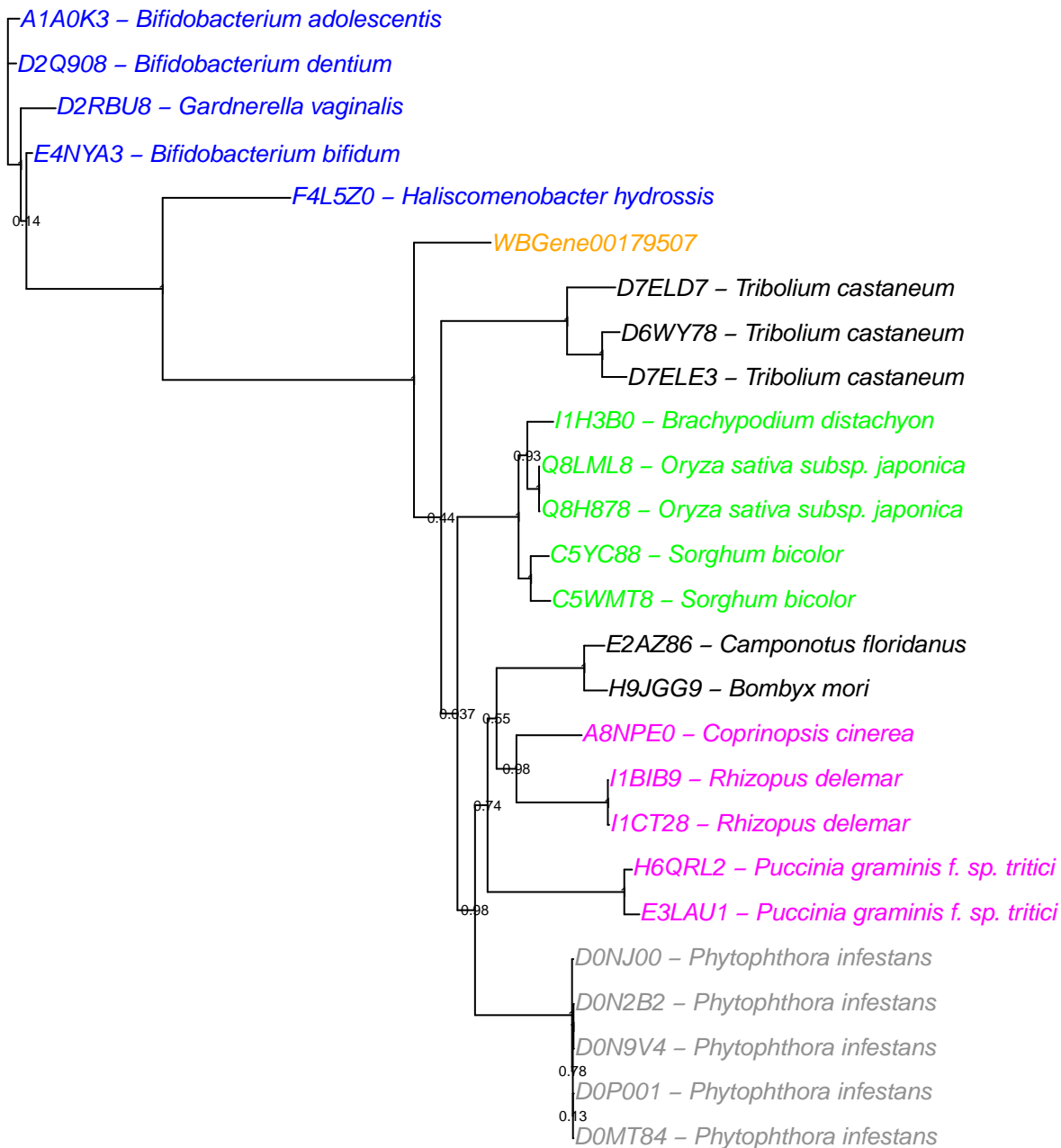


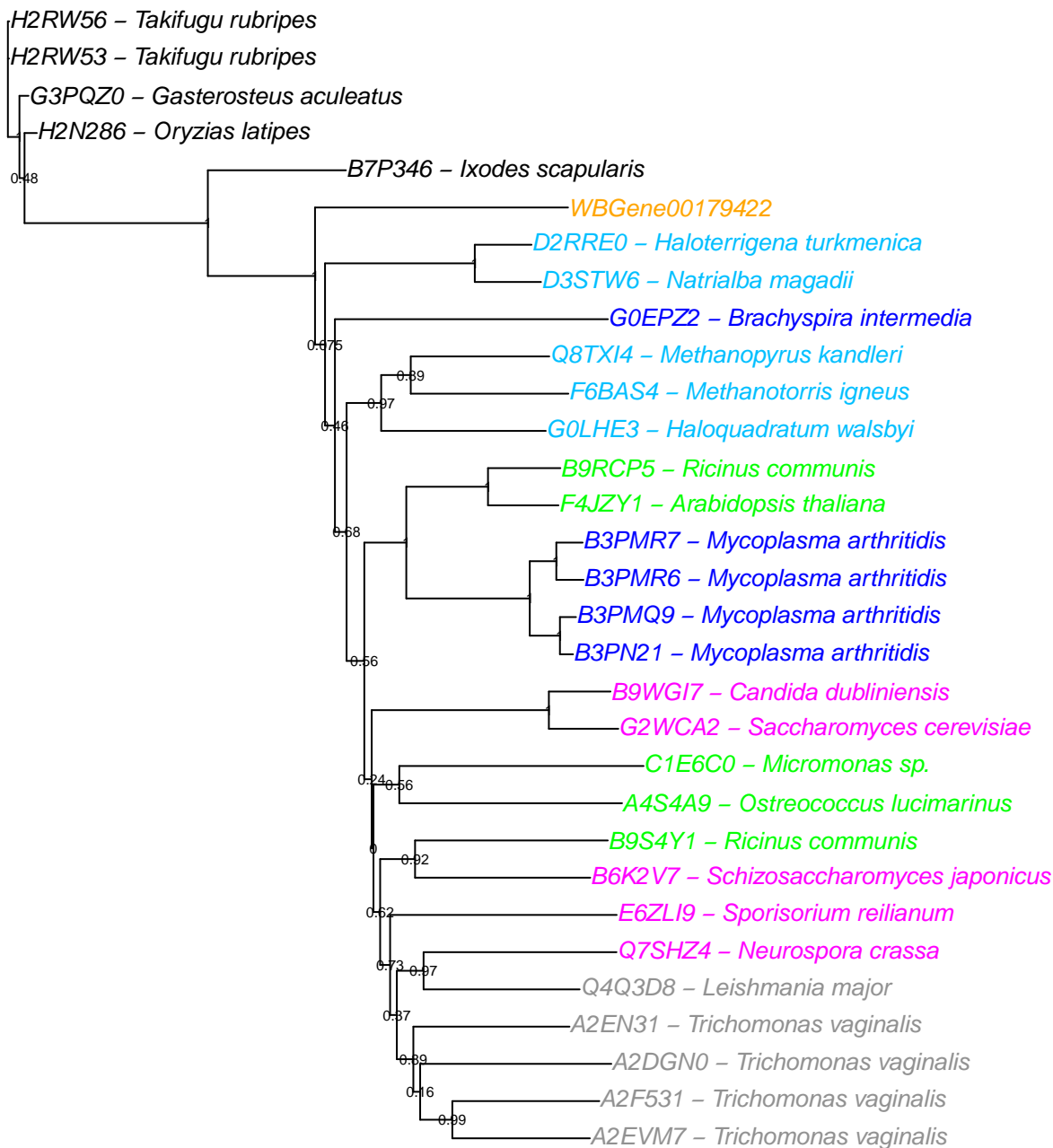




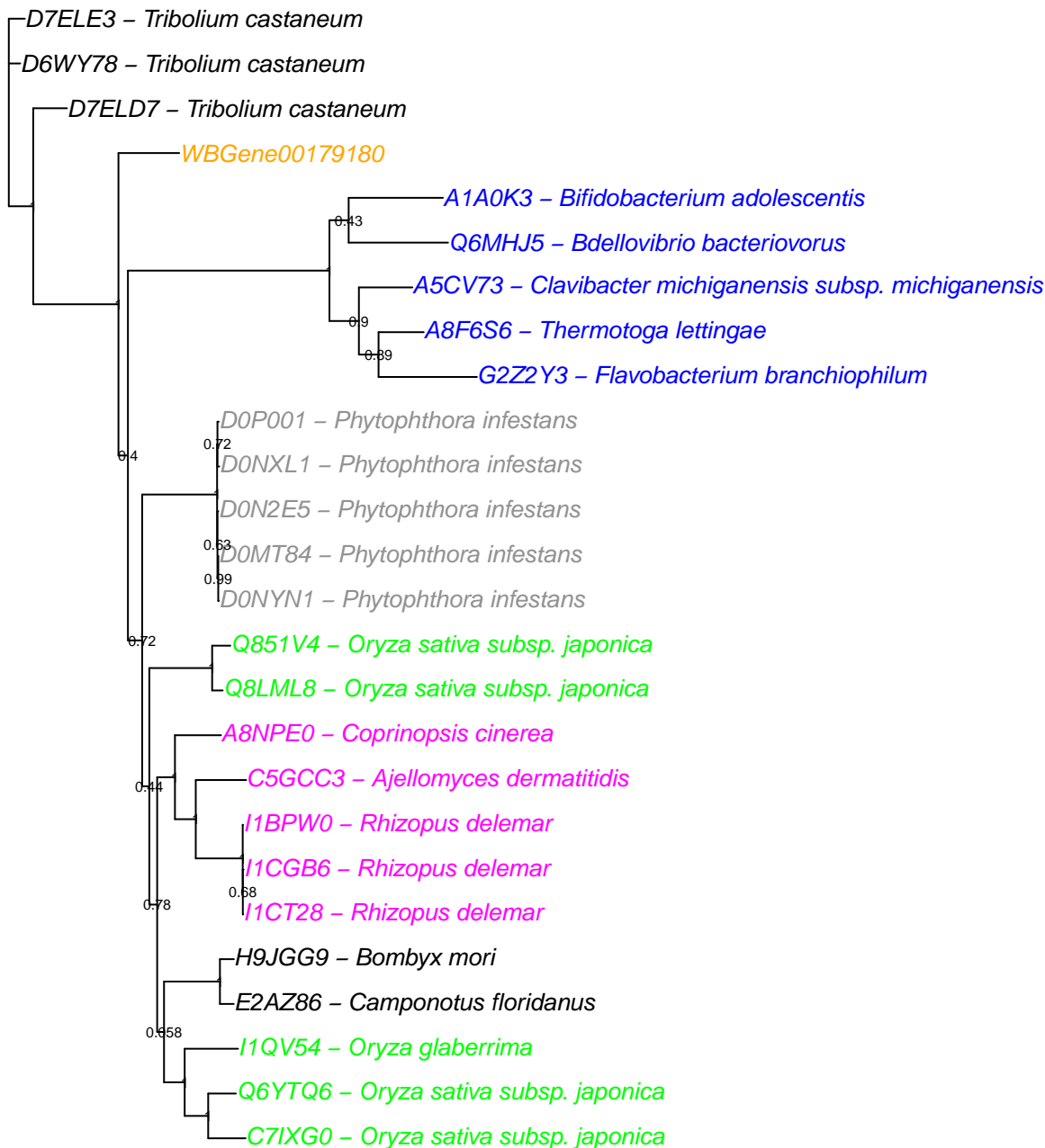












WBGene00178898

D3EJQ1 – *Geobacillus* sp.

B1HW67 – *Lysinibacillus sphaericus*

0.76

Q4V108 – *Bacillus cereus*

0.07

D3G1A6 – *Bacillus pseudofirmus*

0.38

B7JTB6 – *Bacillus cereus*

E0W2Z0 – *Pediculus humanus subsp. corporis*

H0WPB7 – *Otolemur garnettii*

F7B4R0 – *Macaca mulatta*

H2QXK3 – *Pan troglodytes*

G3QNK2 – *Gorilla gorilla gorilla*

Q12UJ3 – *Methanococcoides burtonii*

Q12XV1 – *Methanococcoides burtonii*

0.99

Q12Y20 – *Methanococcoides burtonii*

0.77

Q12UG1 – *Methanococcoides burtonii*

0.74

0.44

Q46BR7 – *Methanosarcina barkeri*

0.42

Q1XGD2 – *Physcomitrella patens subsp. patens*

C7U027 – *Pichia sorbitophila*

0.99

P03876 – *Saccharomyces cerevisiae*

0.65

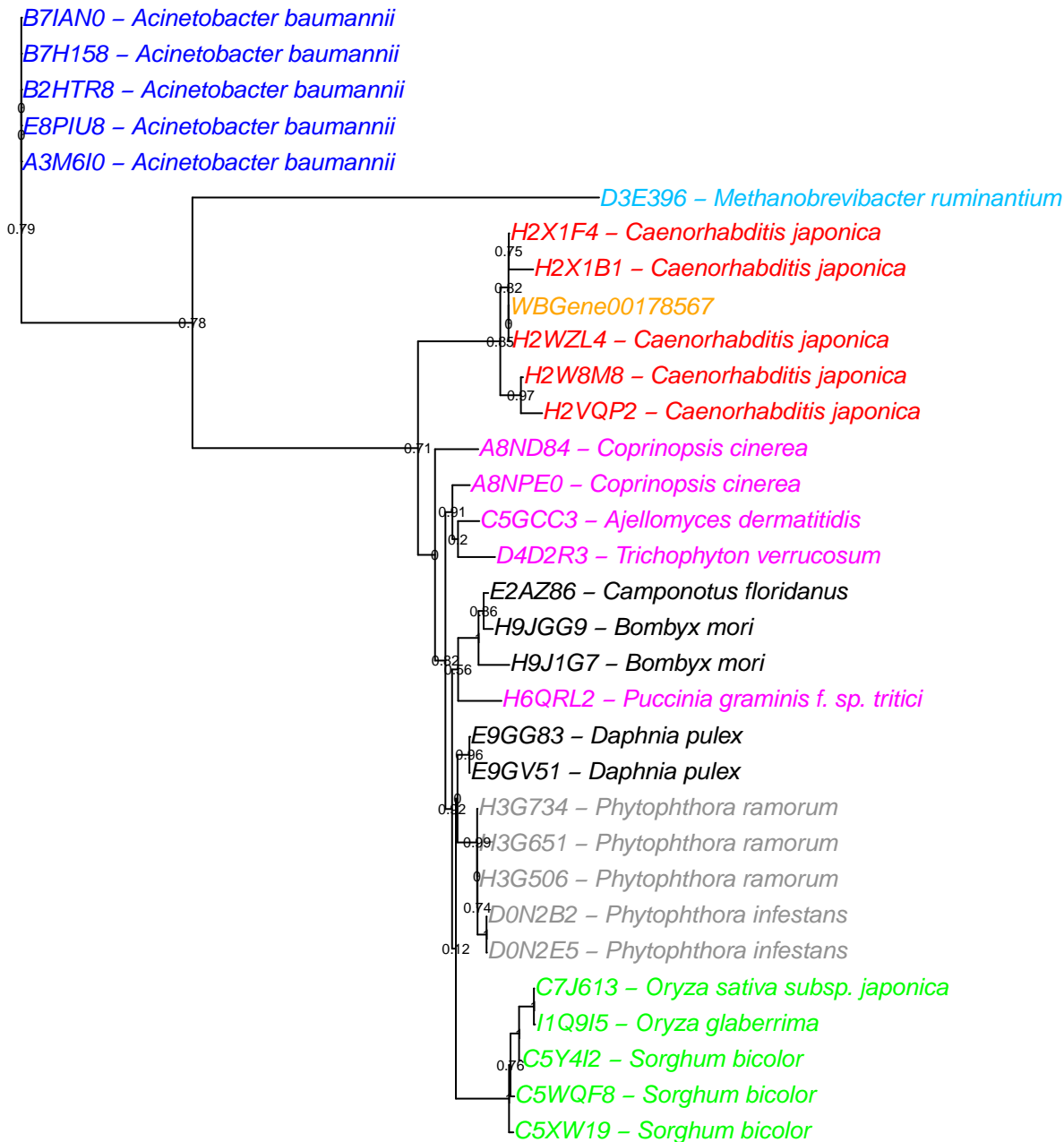
H6D5C3 – *Nectria haematococca*

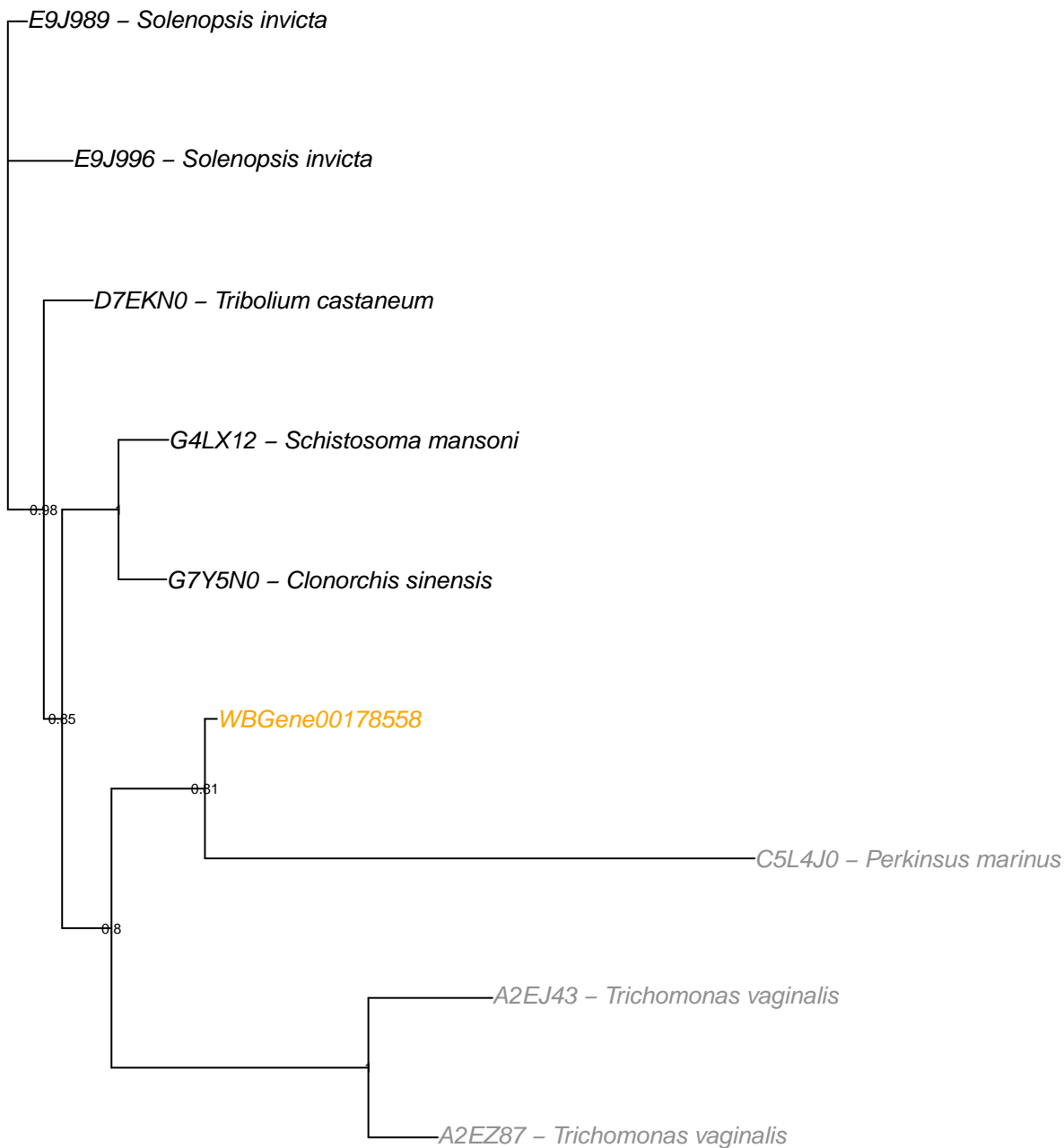
0.9

Q02718 – *Podospora anserina*

0.85

Q02717 – *Podospora anserina*





*F4BXE4 – Methanosaeta concilii*

*F4BTW8 – Methanosaeta concilii*

*H9K556 – Apis mellifera*

*D1YV08 – Methanocella paludicola*

*C6CTH3 – Paenibacillus sp.*

*F8IA14 – Sulfobacillus acidophilus*

*B7GET7 – Anoxybacillus flavithermus*

*A4ILD5 – Geobacillus thermodenitrificans*

*E3IDP3 – Geobacillus sp.*

*WBGene00178305*

0.78

0.2

0.9

0.66

0.22



D6ZVW1 – *Bifidobacterium longum* subsp. *longum*

E8MVE1 – *Bifidobacterium longum* subsp. *infantis*

D5EYL4 – *Prevotella ruminicola*

D2QM70 – *Spirosoma linguale*

Q6MHJ5 – *Bdellovibrio bacteriovorus*

H3G7W5 – *Phytophthora ramorum*

D0P2H8 – *Phytophthora infestans*

D0MT84 – *Phytophthora infestans*

D0P001 – *Phytophthora infestans*

D0N2B2 – *Phytophthora infestans*

A8N977 – *Coprinopsis cinerea*

E3LAU1 – *Puccinia graminis* f. sp. *tritici*

E2AZ86 – *Camponotus floridanus*

H9JGG9 – *Bombyx mori*

H9J1G7 – *Bombyx mori*

D7EK44 – *Tribolium castaneum*

A8NPE0 – *Coprinopsis cinerea*

D4D2R3 – *Trichophyton verrucosum*

Q5B2F2 – *Emericella nidulans*

WBGene00177548

E9GG83 – *Daphnia pulex*

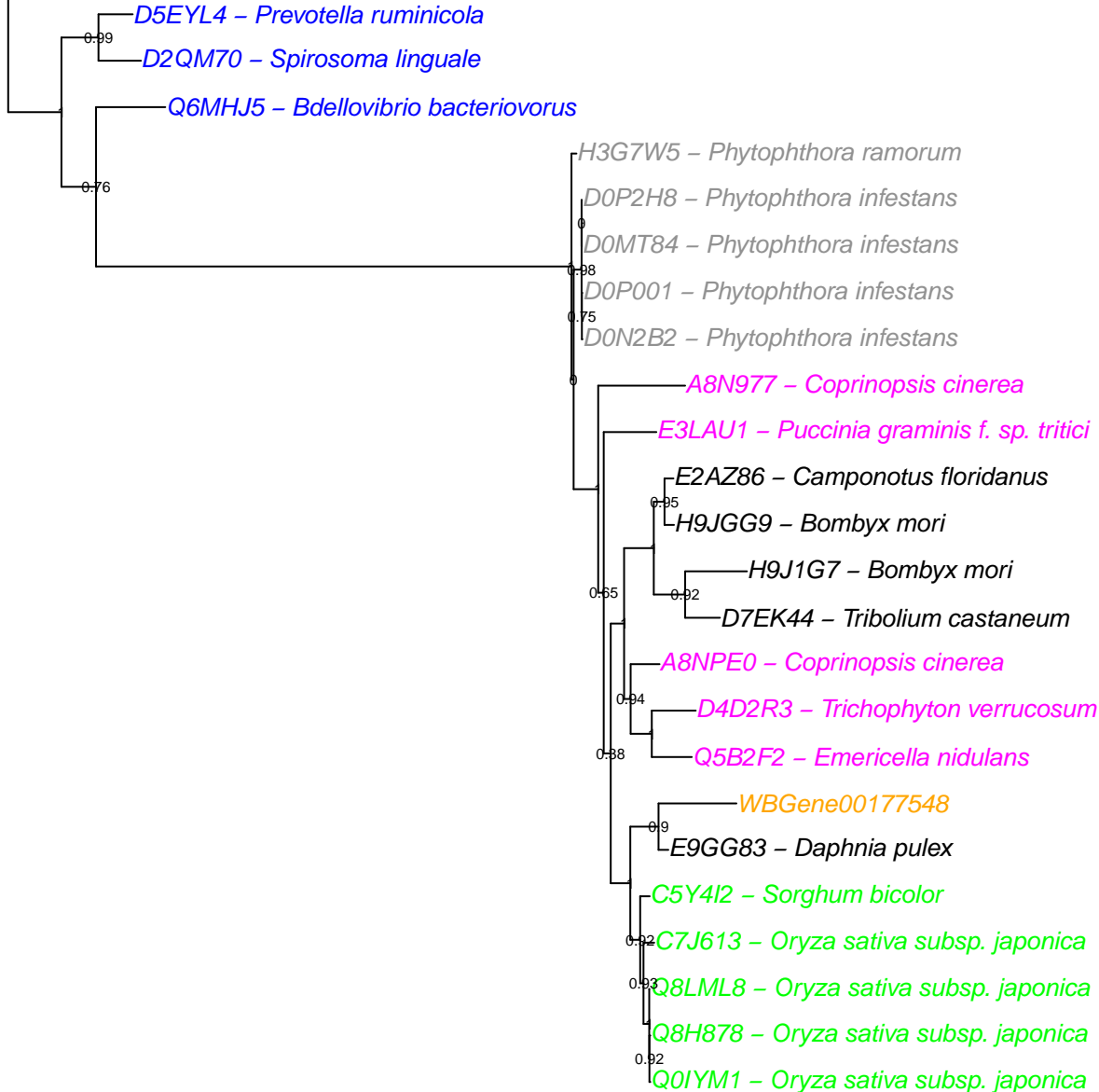
C5Y4I2 – *Sorghum bicolor*

C7J613 – *Oryza sativa* subsp. *japonica*

Q8LML8 – *Oryza sativa* subsp. *japonica*

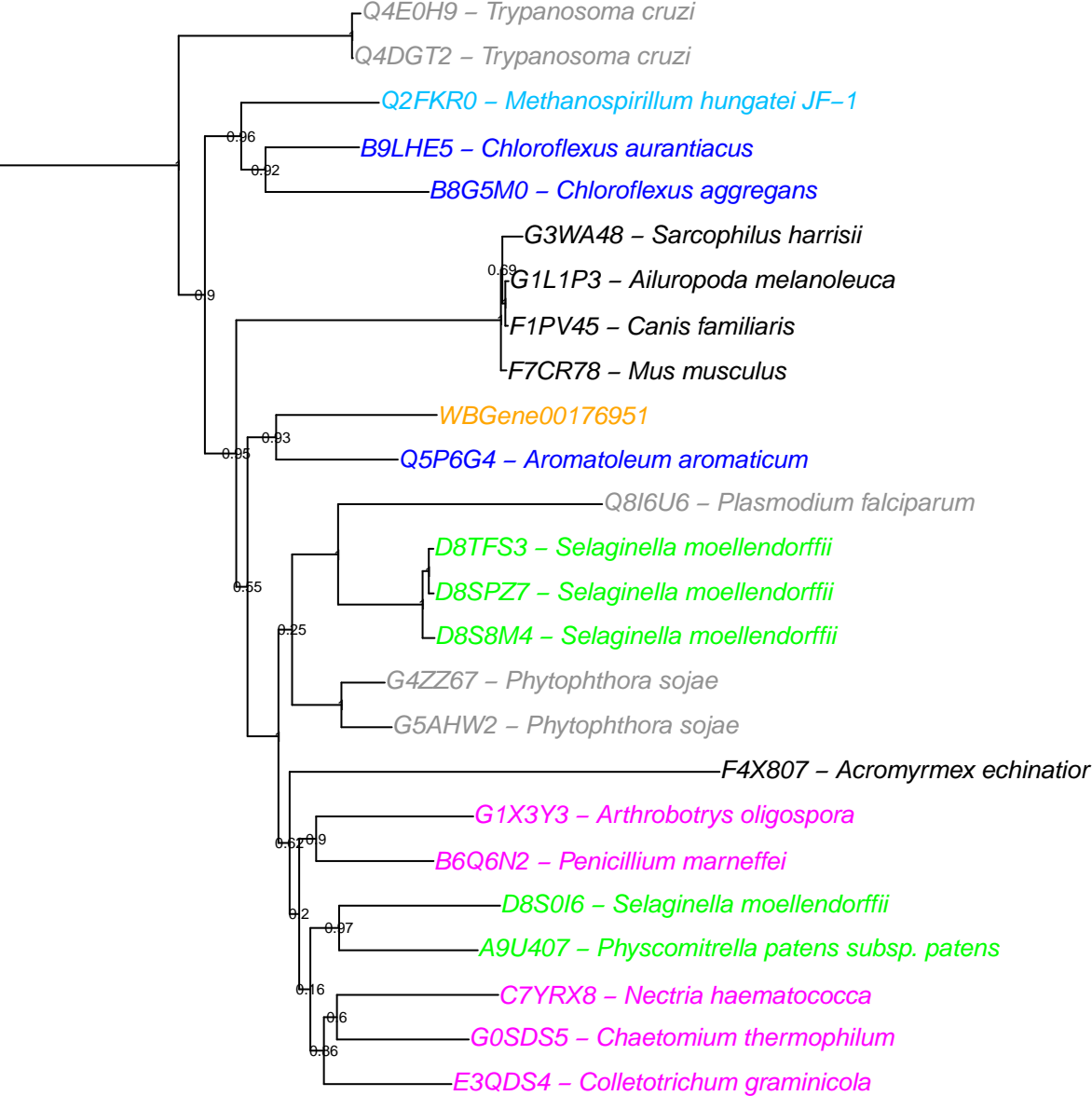
Q8H878 – *Oryza sativa* subsp. *japonica*

Q0IYM1 – *Oryza sativa* subsp. *japonica*

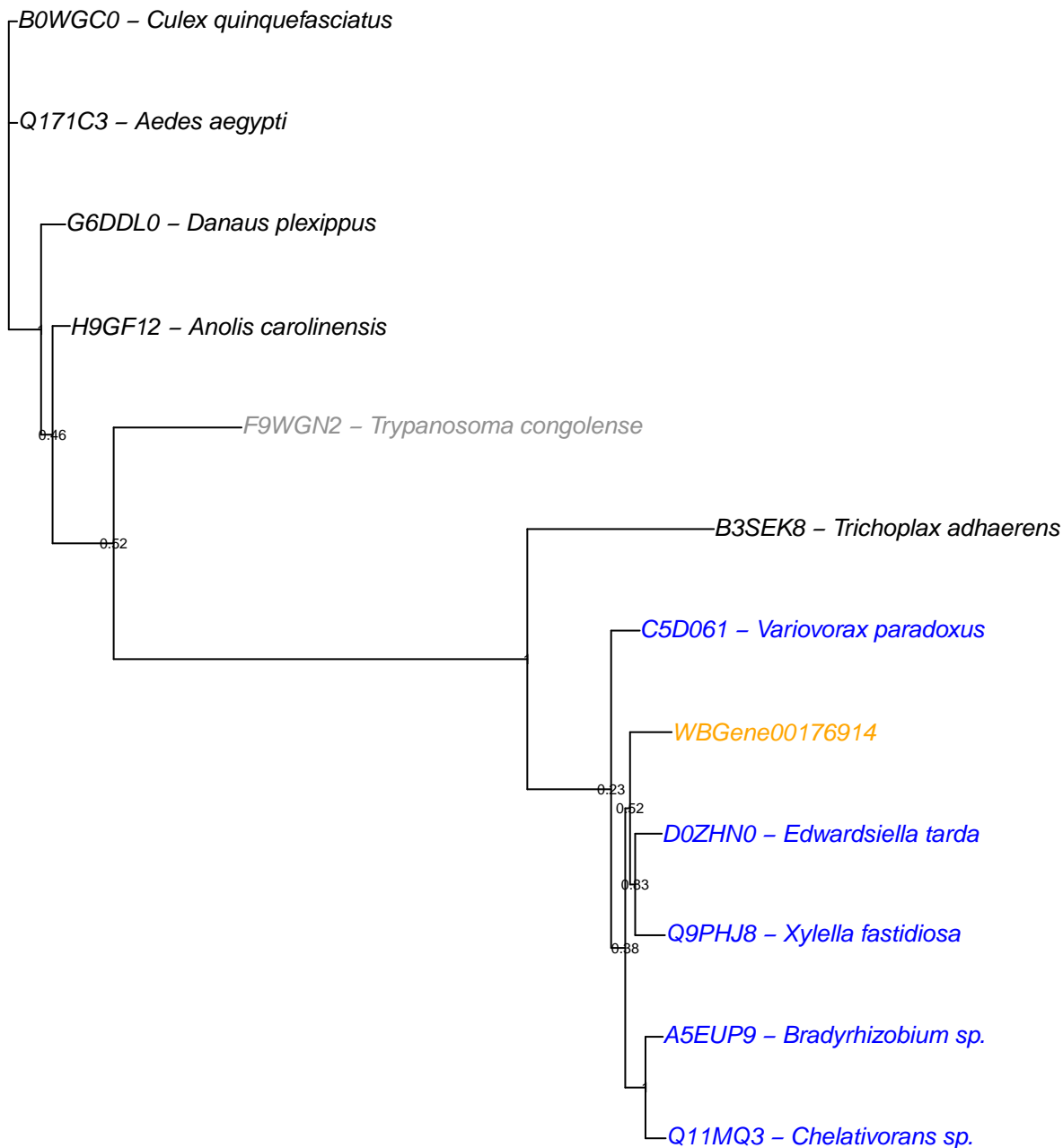


Q06852 – *Clostridium thermocellum*

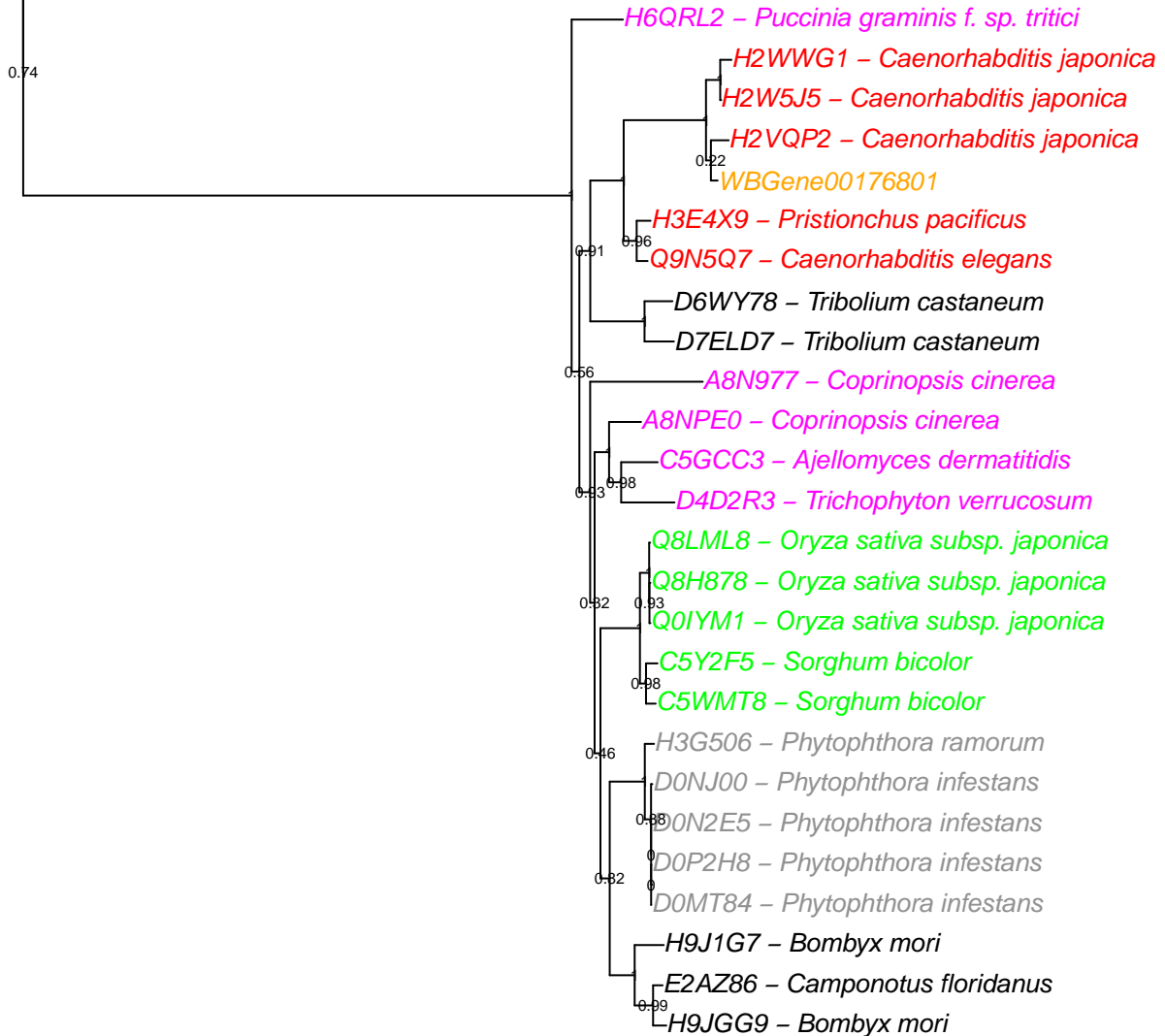
E6UU83 – *Clostridium thermocellum*

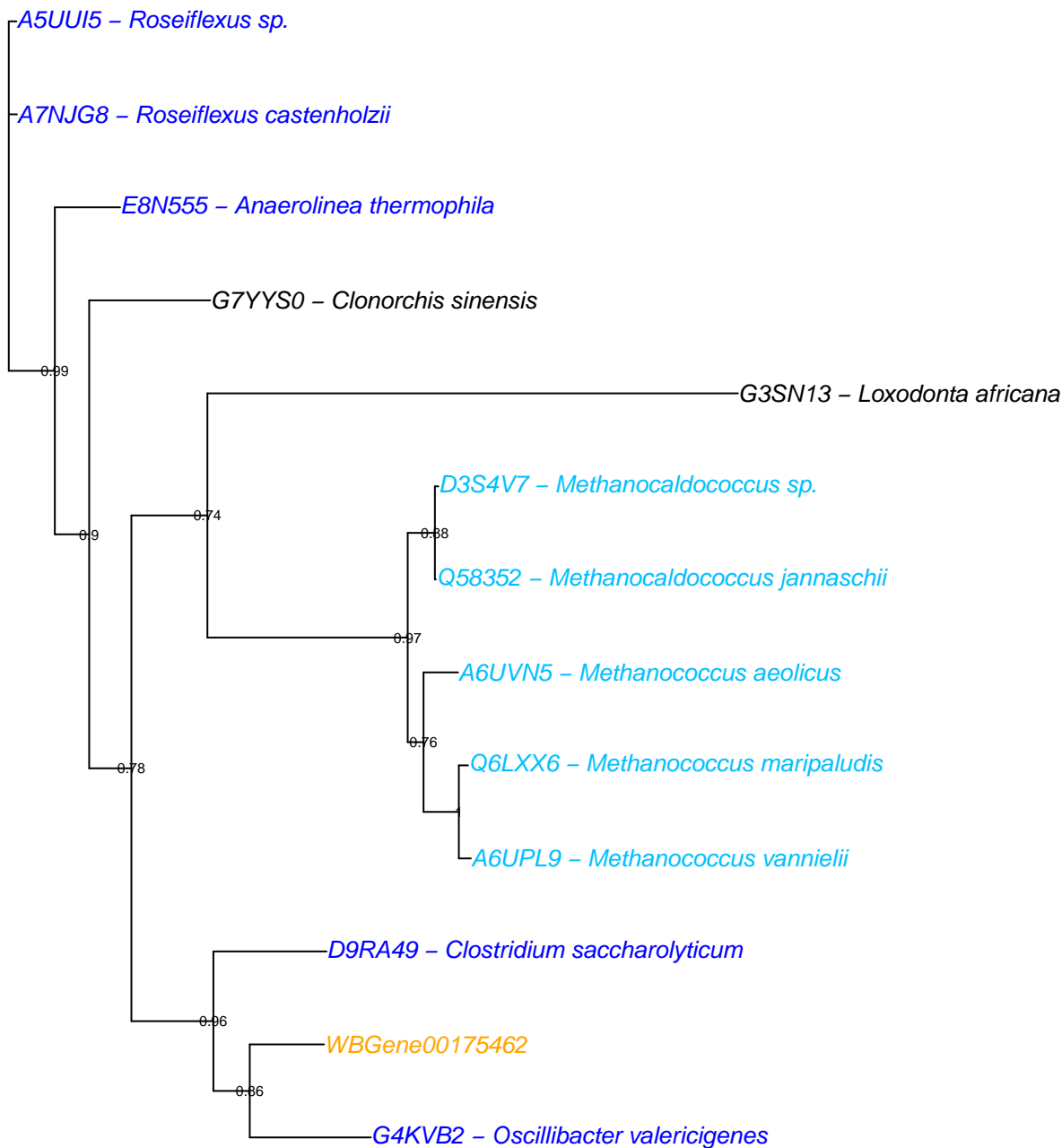


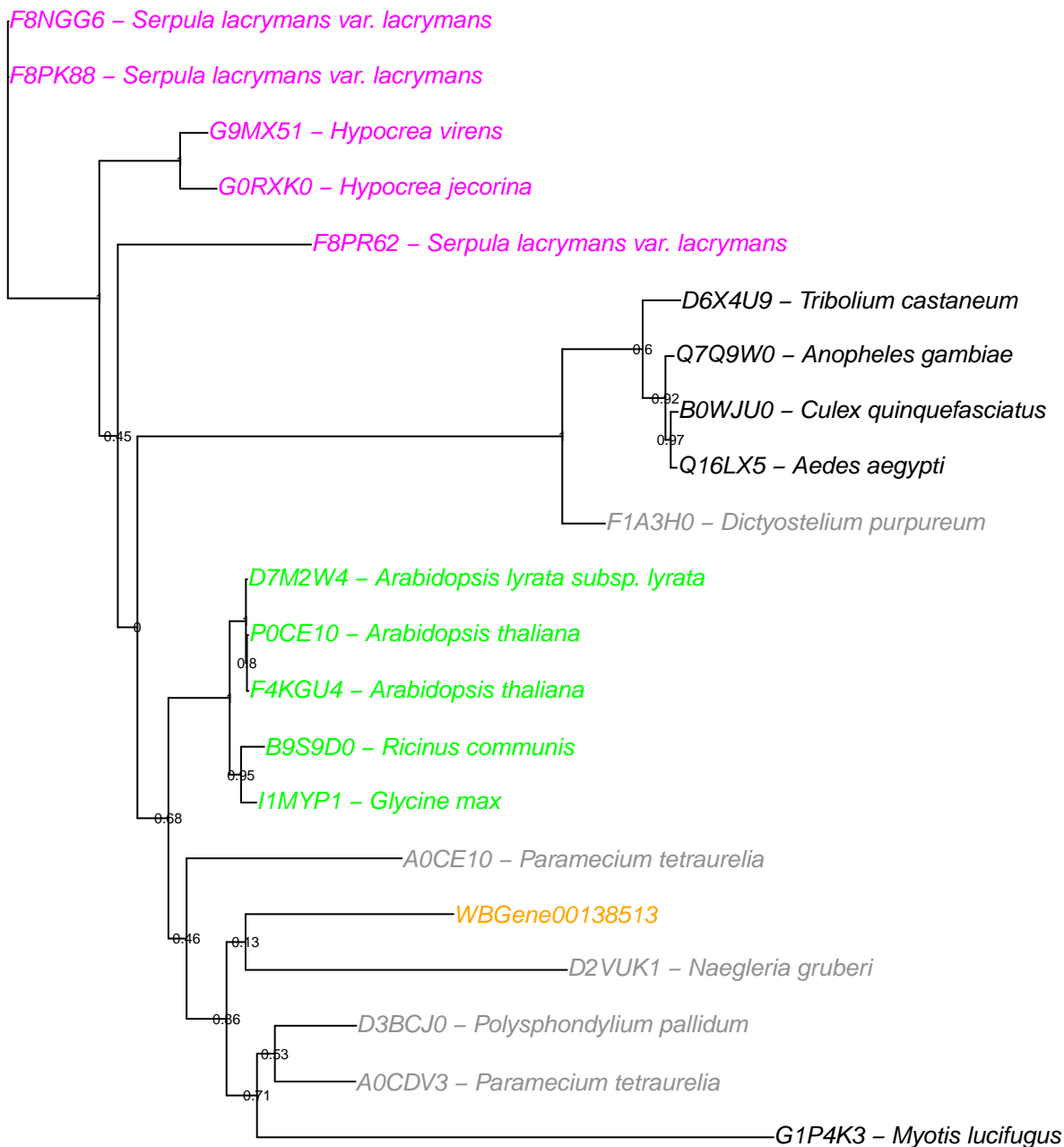


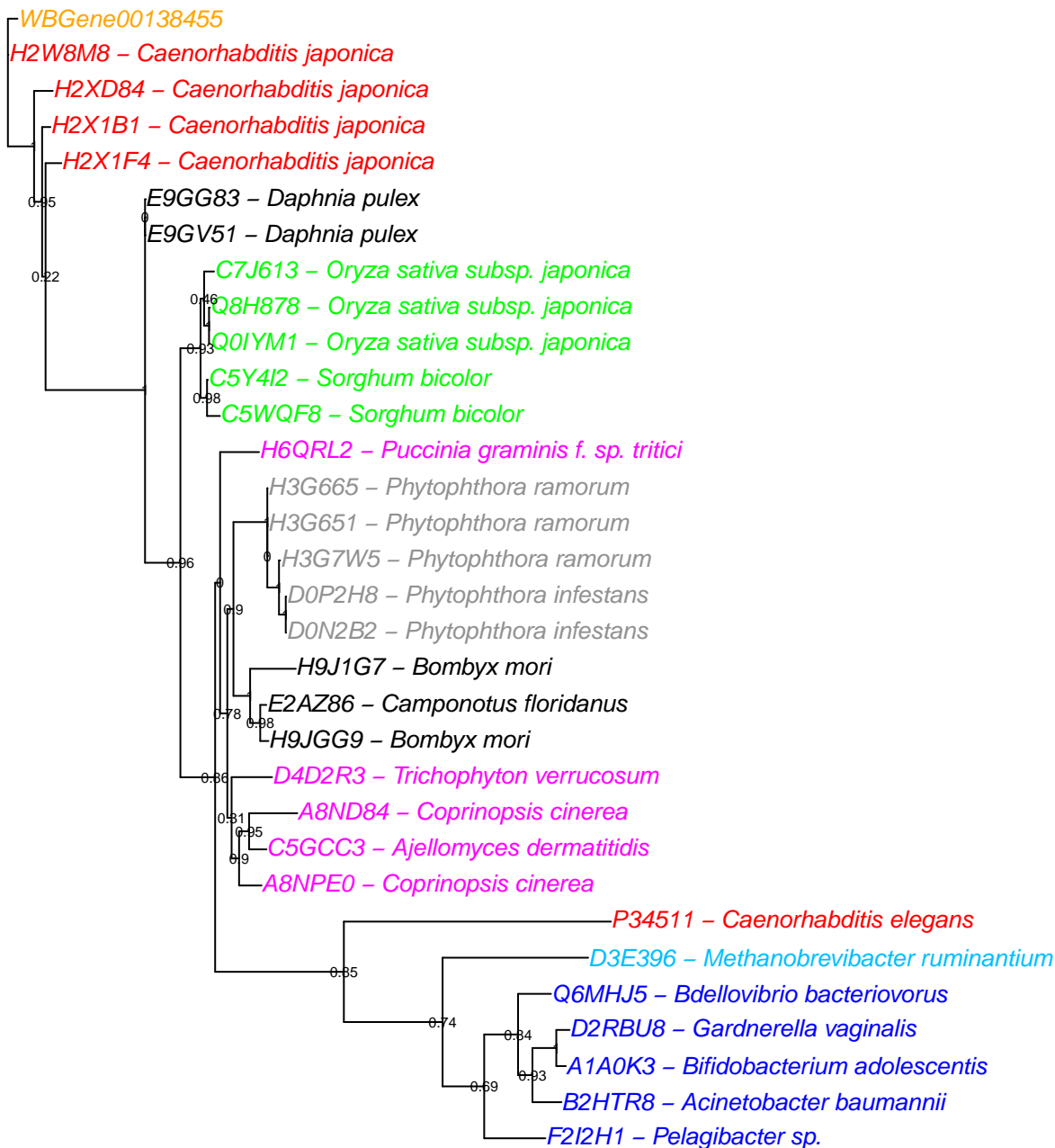


B7IAN0 – *Acinetobacter baumannii*  
B7H158 – *Acinetobacter baumannii*  
B2HTR8 – *Acinetobacter baumannii*  
E8PIU8 – *Acinetobacter baumannii*  
A3M6I0 – *Acinetobacter baumannii*









B9J2N8 – *Bacillus cereus*

B7HT93 – *Bacillus cereus*

Q6CCA1 – *Yarrowia lipolytica*

D7G1E0 – *Ectocarpus siliculosus*

WBGene00137912

E9HBU8 – *Daphnia pulex*

E9G5J7 – *Daphnia pulex*

C7QBM5 – *Catenulispora acidiphila*

Q03VD7 – *Leuconostoc mesenteroides* subsp. *mesenteroides*

A6ZVT9 – *Saccharomyces cerevisiae*

A8Q556 – *Malassezia globosa*

G2Q0X9 – *Thielavia heterothallica*

D8TRG7 – *Volvox carteri*

C4M5V9 – *Entamoeba histolytica*

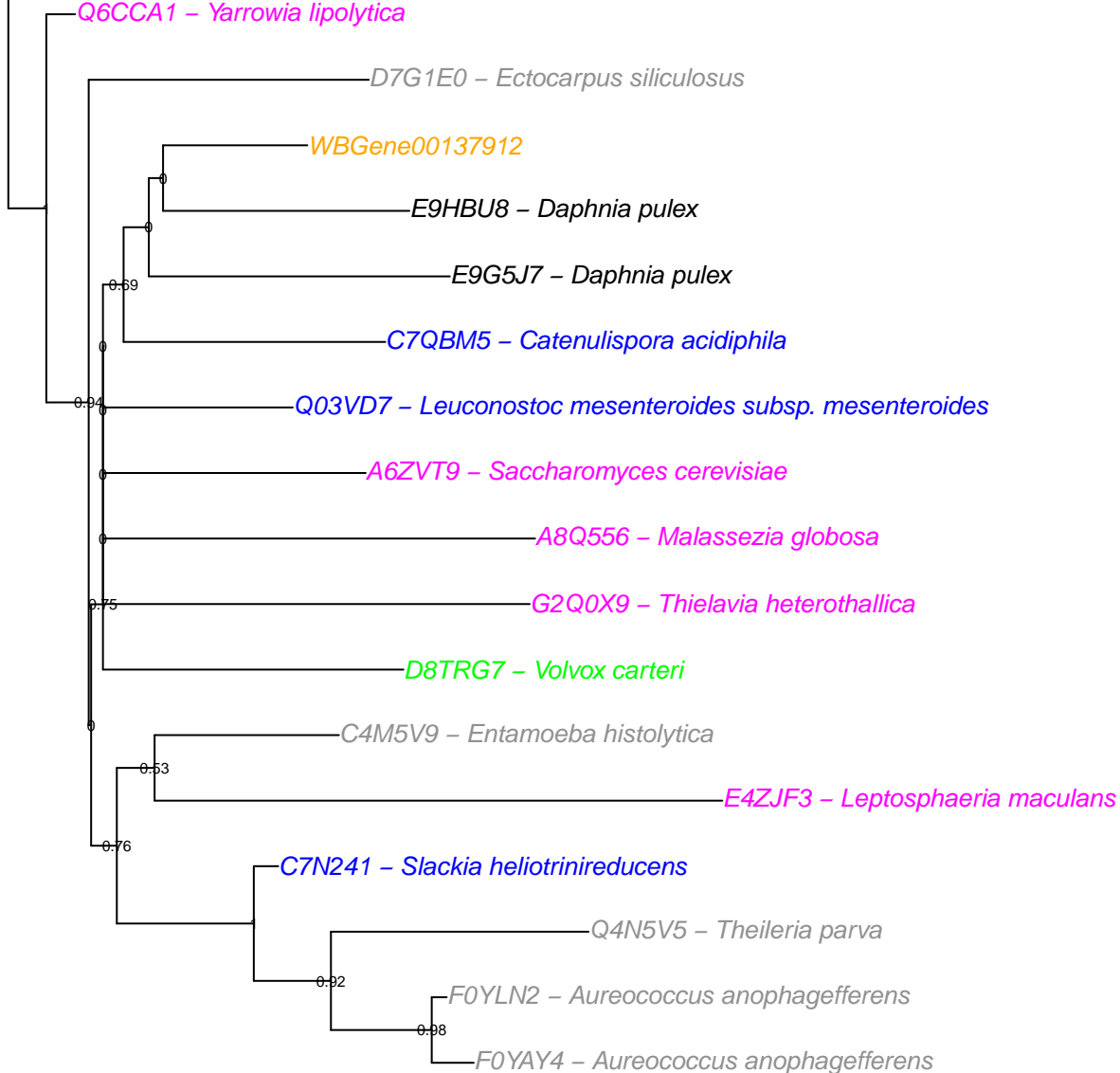
E4ZJF3 – *Leptosphaeria maculans*

C7N241 – *Slackia heliotrinireducens*

Q4N5V5 – *Theileria parva*

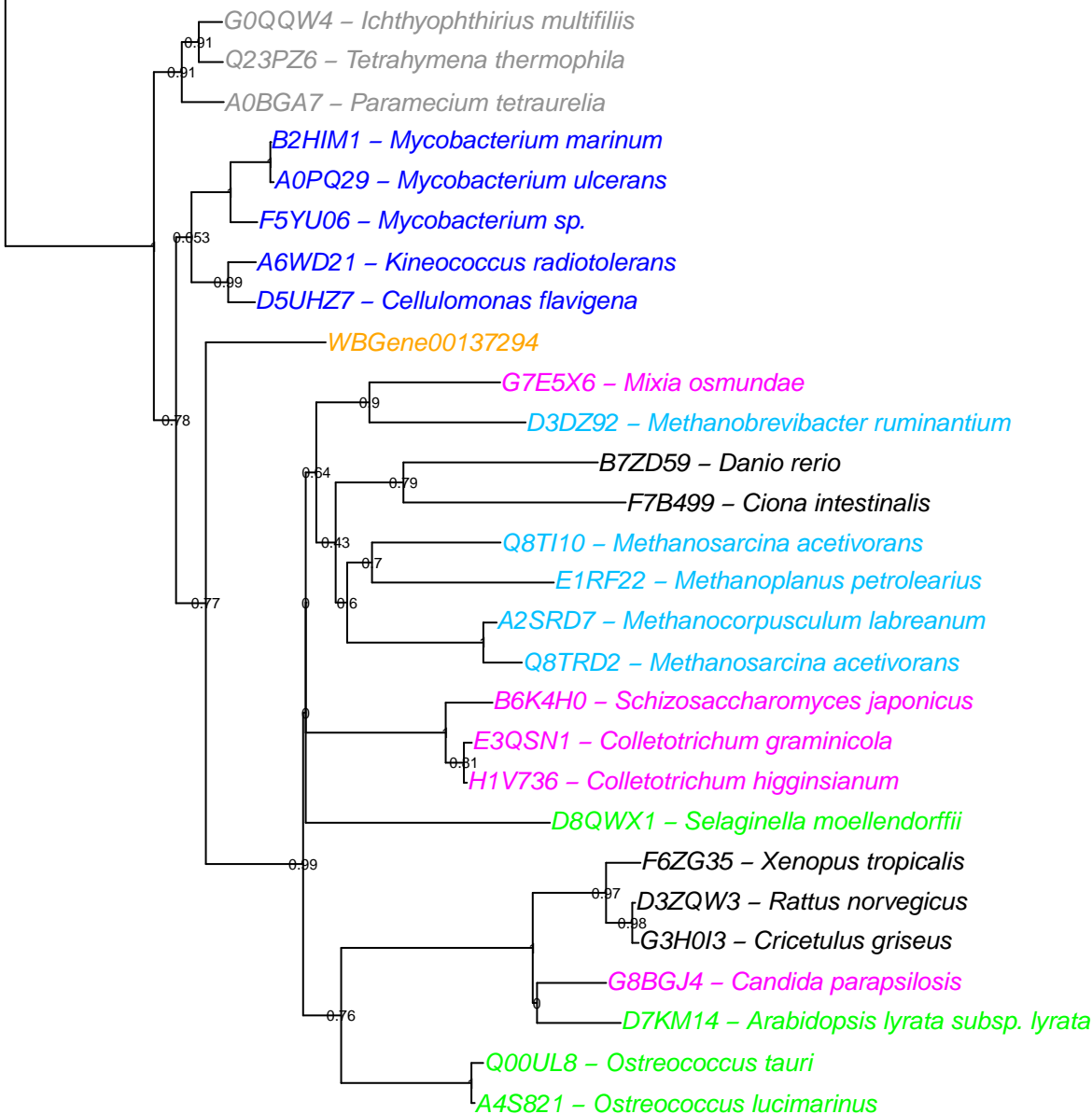
F0YLN2 – *Aureococcus anophagefferens*

F0YAY4 – *Aureococcus anophagefferens*



Q5CNW9 – *Cryptosporidium hominis*

Q5CVP5 – *Cryptosporidium parvum*



D6X1G6 – *Tribolium castaneum*

D6WTQ0 – *Tribolium castaneum*

D7GYL0 – *Tribolium castaneum*

E9J9Y8 – *Solenopsis invicta*

I1CT70 – *Rhizopus delemar*

I1BT91 – *Rhizopus delemar*

I1BM32 – *Rhizopus delemar*

I1BL30 – *Rhizopus delemar*

I1CH86 – *Rhizopus delemar*

D7GYB7 – *Tribolium castaneum*

C5KR95 – *Perkinsus marinus*

WBGene00137143

C5LEJ9 – *Perkinsus marinus*

C5KRL1 – *Perkinsus marinus*

C5L4J0 – *Perkinsus marinus*

C5K6F4 – *Perkinsus marinus*

0.639

0.13

0.42

0.31

0.76

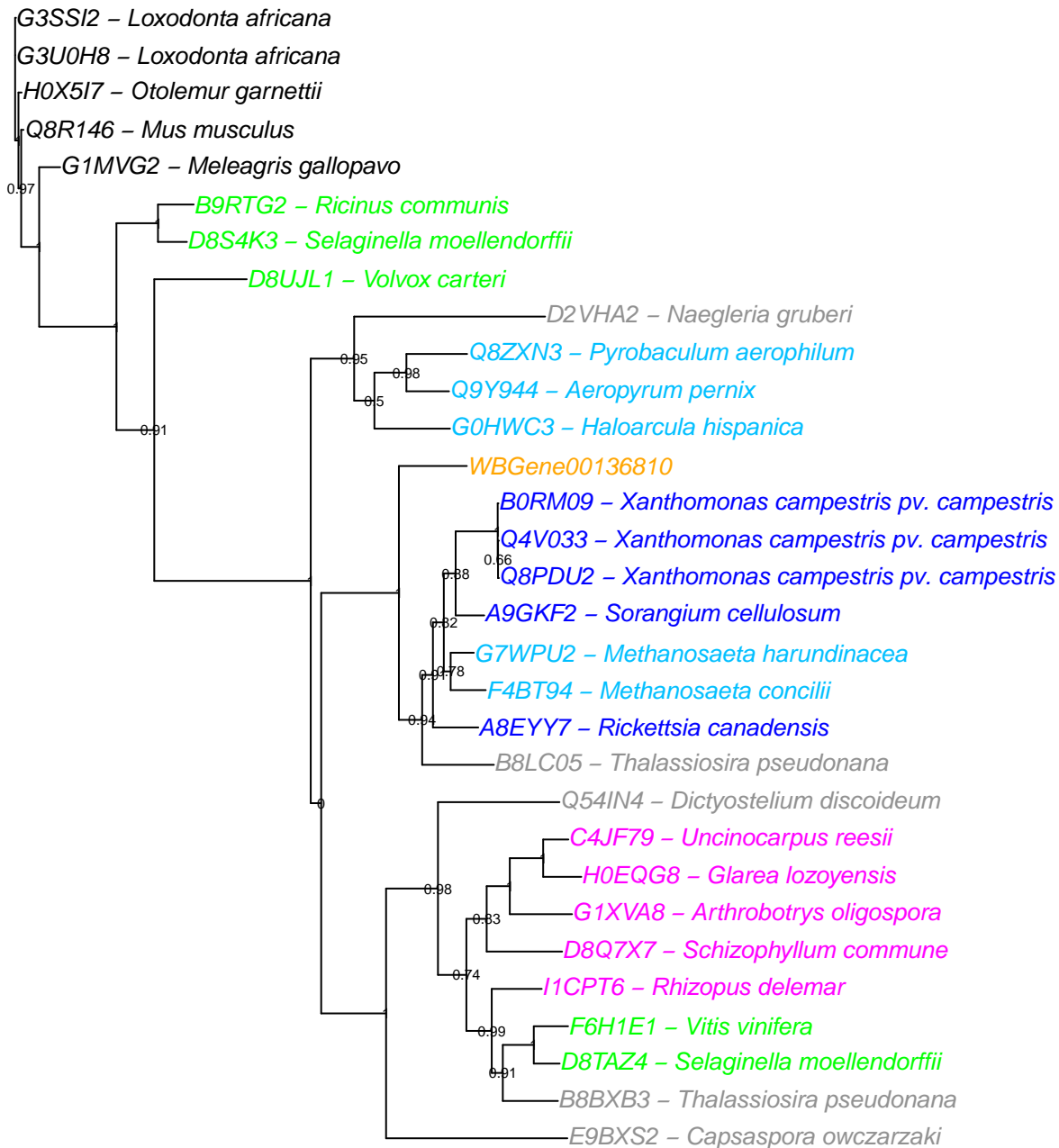
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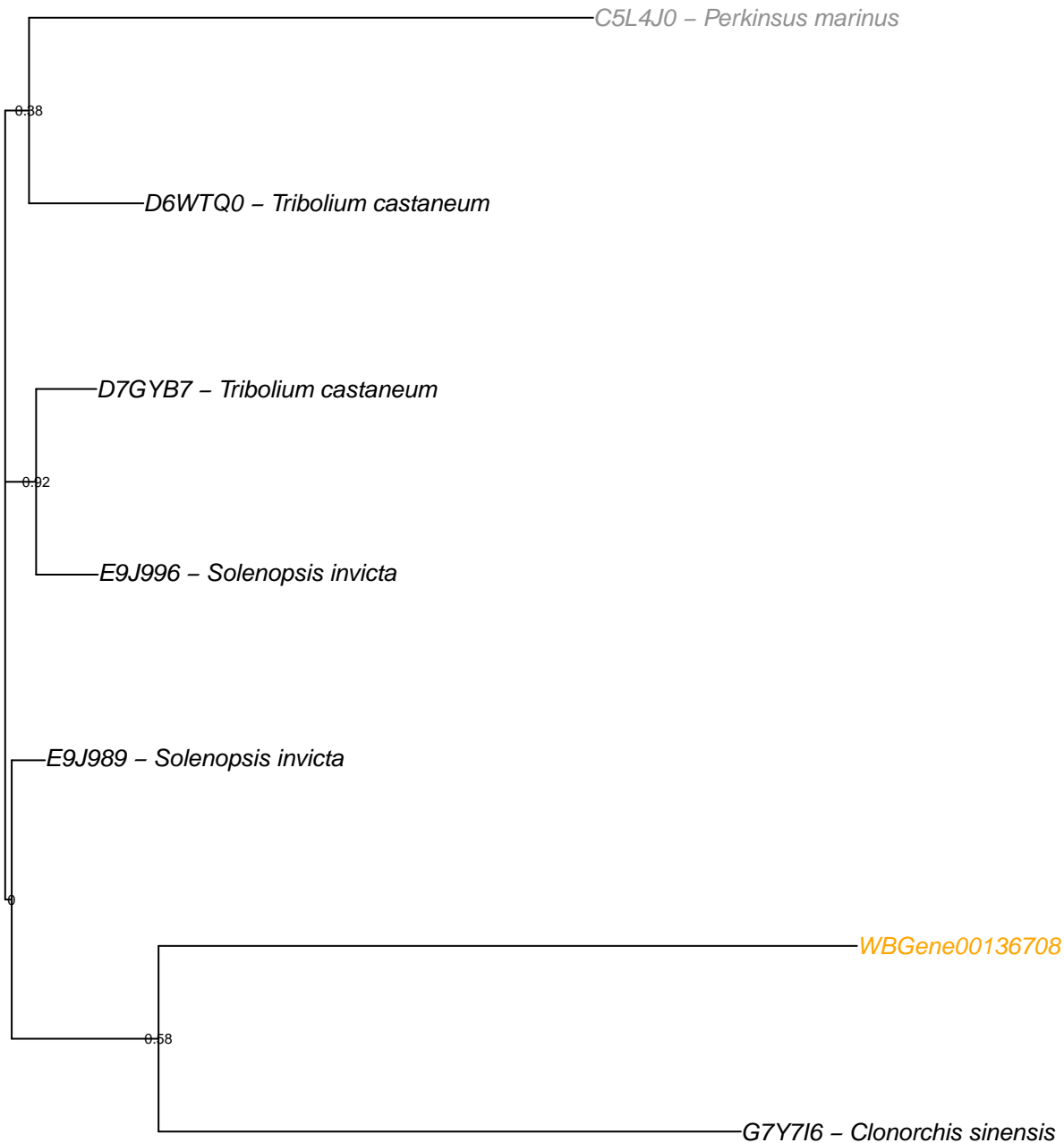
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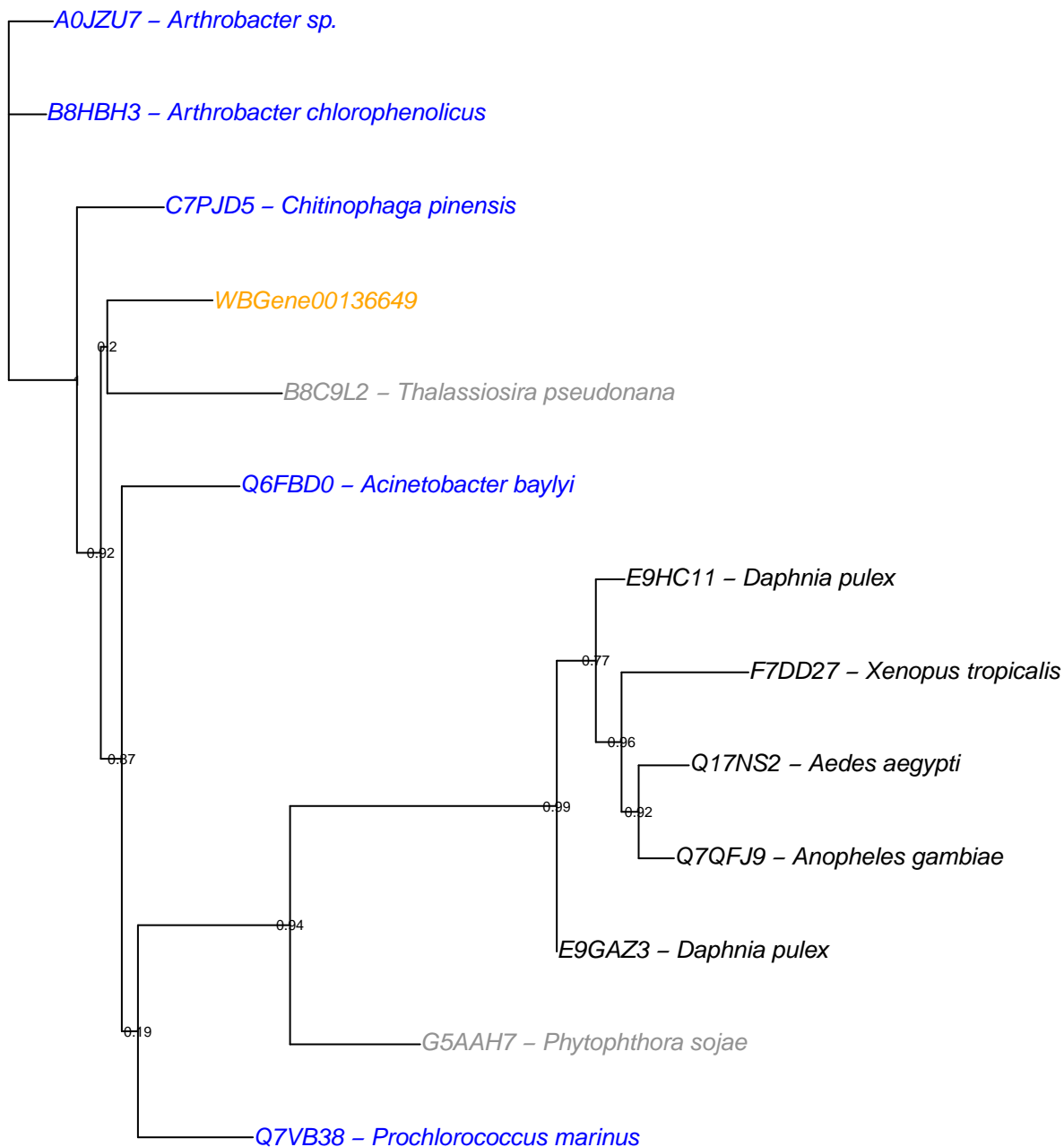
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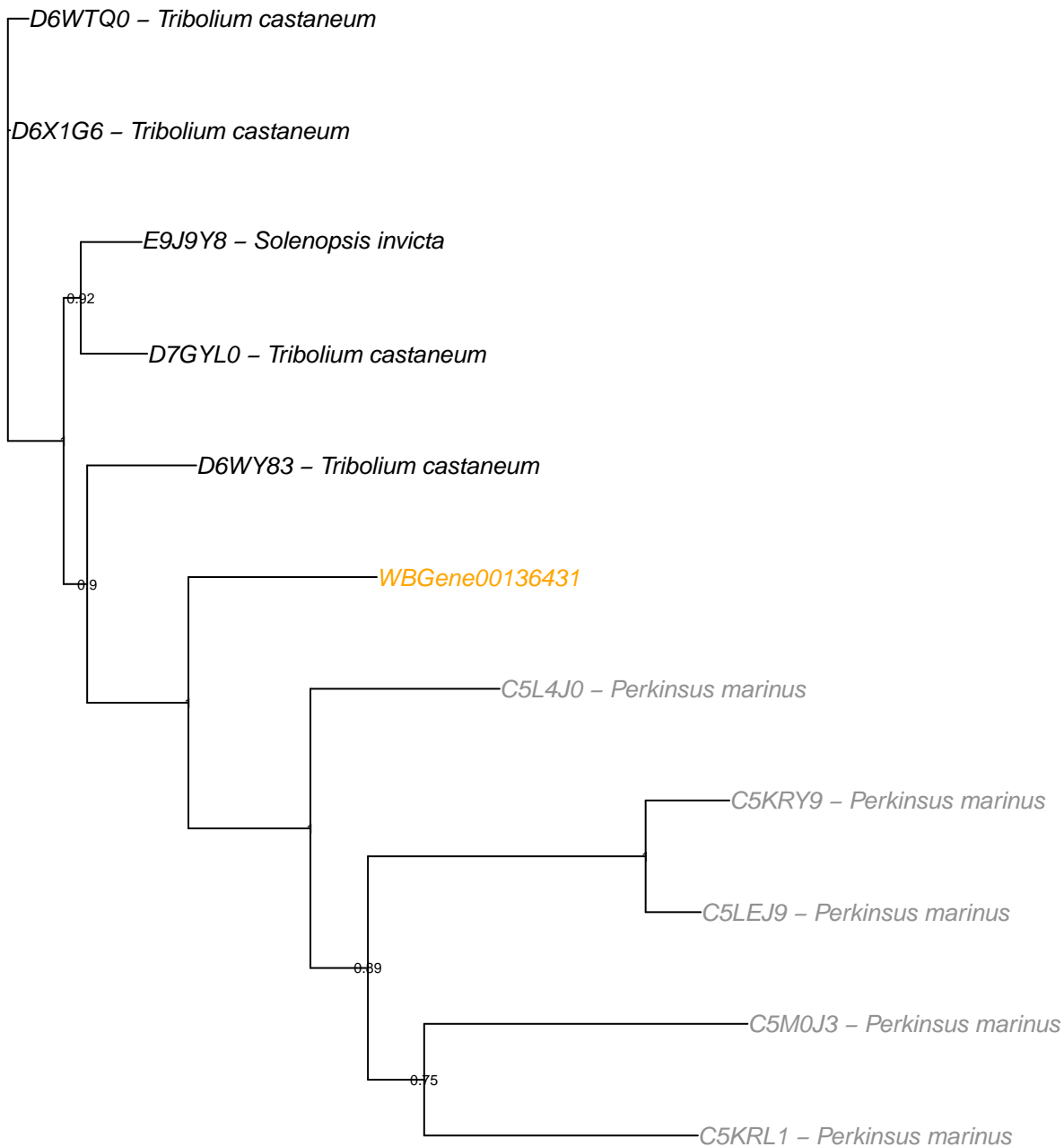
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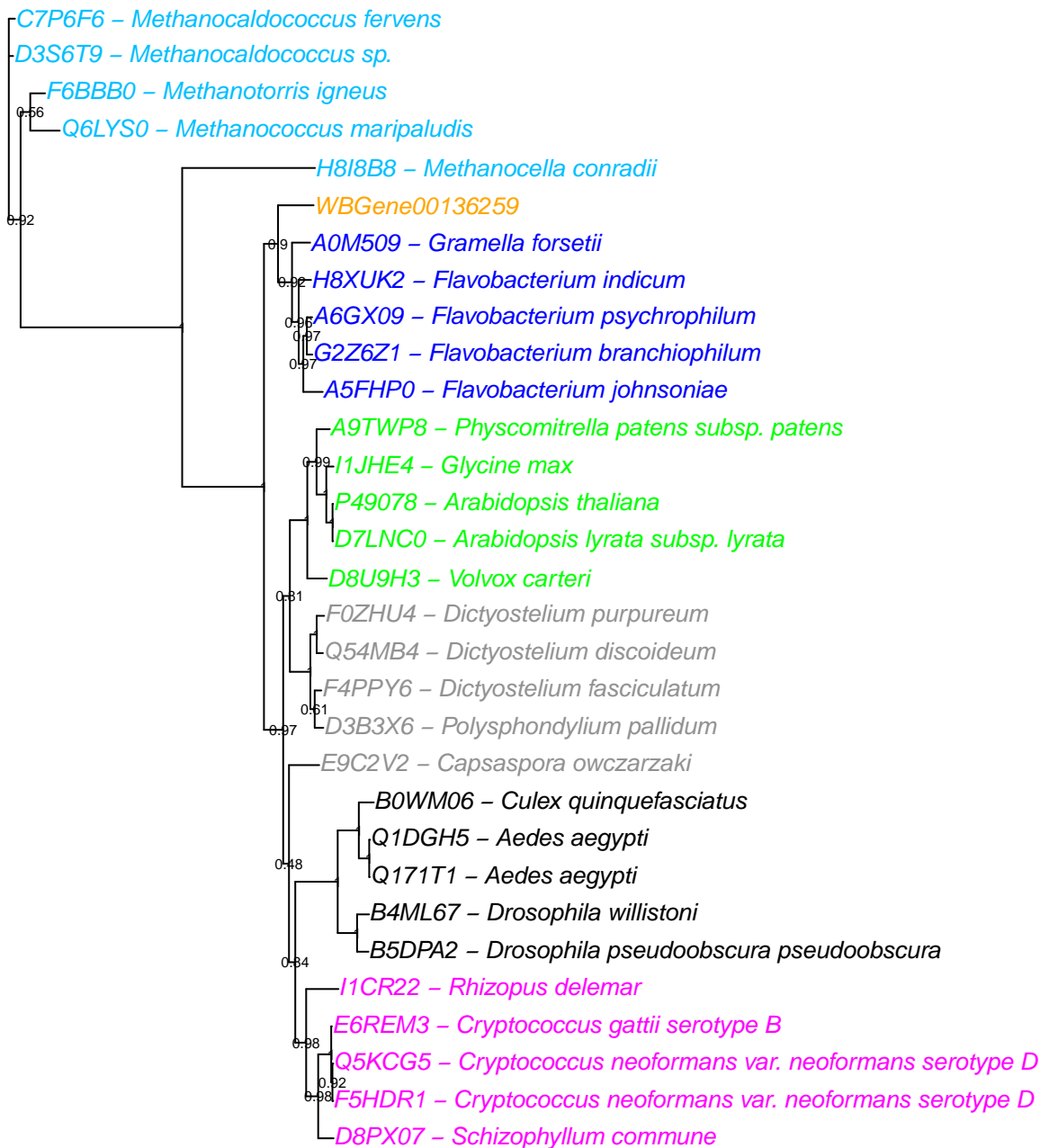












D6X1G6 – *Tribolium castaneum*

D6WTQ0 – *Tribolium castaneum*

E9J9Y8 – *Solenopsis invicta*

0.18  
D7GYB7 – *Tribolium castaneum*

E2ARC4 – *Camponotus floridanus*

H2WKD5 – *Caenorhabditis japonica*

H2WHD8 – *Caenorhabditis japonica*

0.98  
WBGene00136040

0.91  
H2WFJ9 – *Caenorhabditis japonica*

0.76  
H2W038 – *Caenorhabditis japonica*

E3MH13 – *Caenorhabditis remanei*

C5LHE7 – *Perkinsus marinus*

C5KA92 – *Perkinsus marinus*

I1BY80 – *Rhizopus delemar*

I1BP73 – *Rhizopus delemar*

0.43  
I1BM10 – *Rhizopus delemar*

I1C017 – *Rhizopus delemar*

0.29  
I1CCV0 – *Rhizopus delemar*

C5KRL1 – *Perkinsus marinus*

0.15  
Q53QL2 – *Oryza sativa subsp. japonica*

Q8LMI0 – *Oryza sativa subsp. japonica*

Q8S6J3 – *Oryza sativa subsp. japonica*

0.12  
Q60DR1 – *Oryza sativa subsp. japonica*

Q8W5B7 – *Oryza sativa subsp. japonica*

C5LEJ9 – *Perkinsus marinus*

C5LQE6 – *Perkinsus marinus*

F4NWL5 – *Batrachochytrium dendrobatidis*

F4P737 – *Batrachochytrium dendrobatidis*

I1BTE0 – *Rhizopus delemar*

E3JYQ2 – *Puccinia graminis* f. sp. *tritici*

F4RLN8 – *Melampsora larici-populina*

WBGene00135874

G4Z4C6 – *Phytophthora sojae*

D0NPP8 – *Phytophthora infestans*

F4PJN5 – *Dictyostelium fasciculatum*

Q76P11 – *Dictyostelium discoideum*

F1A2S2 – *Dictyostelium purpureum*

E9HAW8 – *Daphnia pulex*

H2S303 – *Takifugu rubripes*

G3V8S4 – *Rattus norvegicus*

IP54708 – *Rattus norvegicus*

G3VK56 – *Sarcophilus harrisii*

D8THV5 – *Volvox carteri*

E1ZE44 – *Chlorella variabilis*

A4RQL0 – *Ostreococcus lucimarinus*

Q01GZ3 – *Ostreococcus tauri*

Q8THY0 – *Methanosarcina acetivorans*

Q12YQ7 – *Methanococcoides burtonii*

Q2LRR0 – *Syntrophus aciditrophicus*

Q2FLJ9 – *Methanospirillum hungatei* JF–1

F0T8T6 – *Methanobacterium* sp.

F6BJQ5 – *Thermoanaerobacterium xylanolyticum*

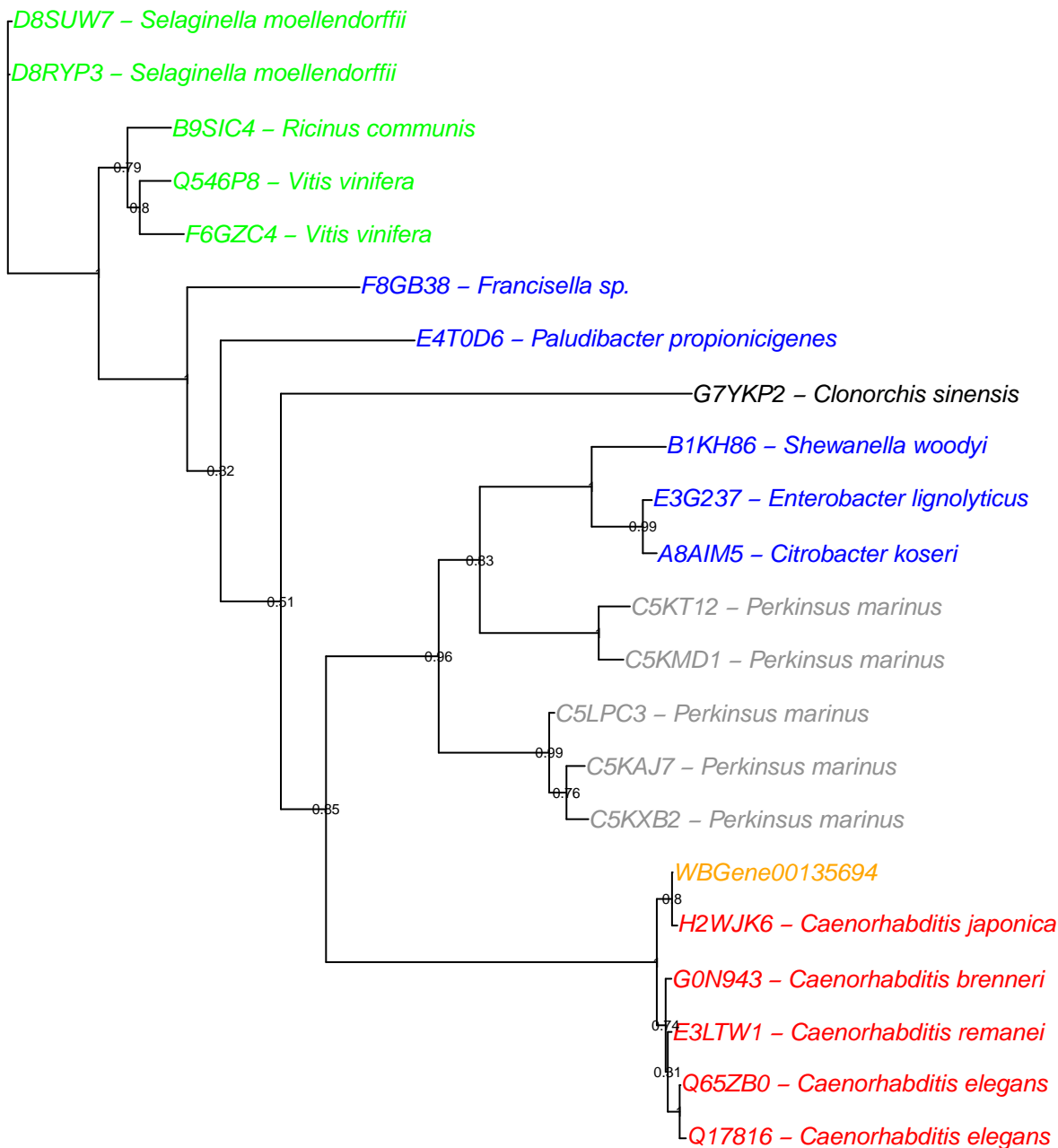
Q8TIR0 – *Methanosarcina acetivorans*

A7GRK4 – *Bacillus cereus* subsp. *cytotoxis*

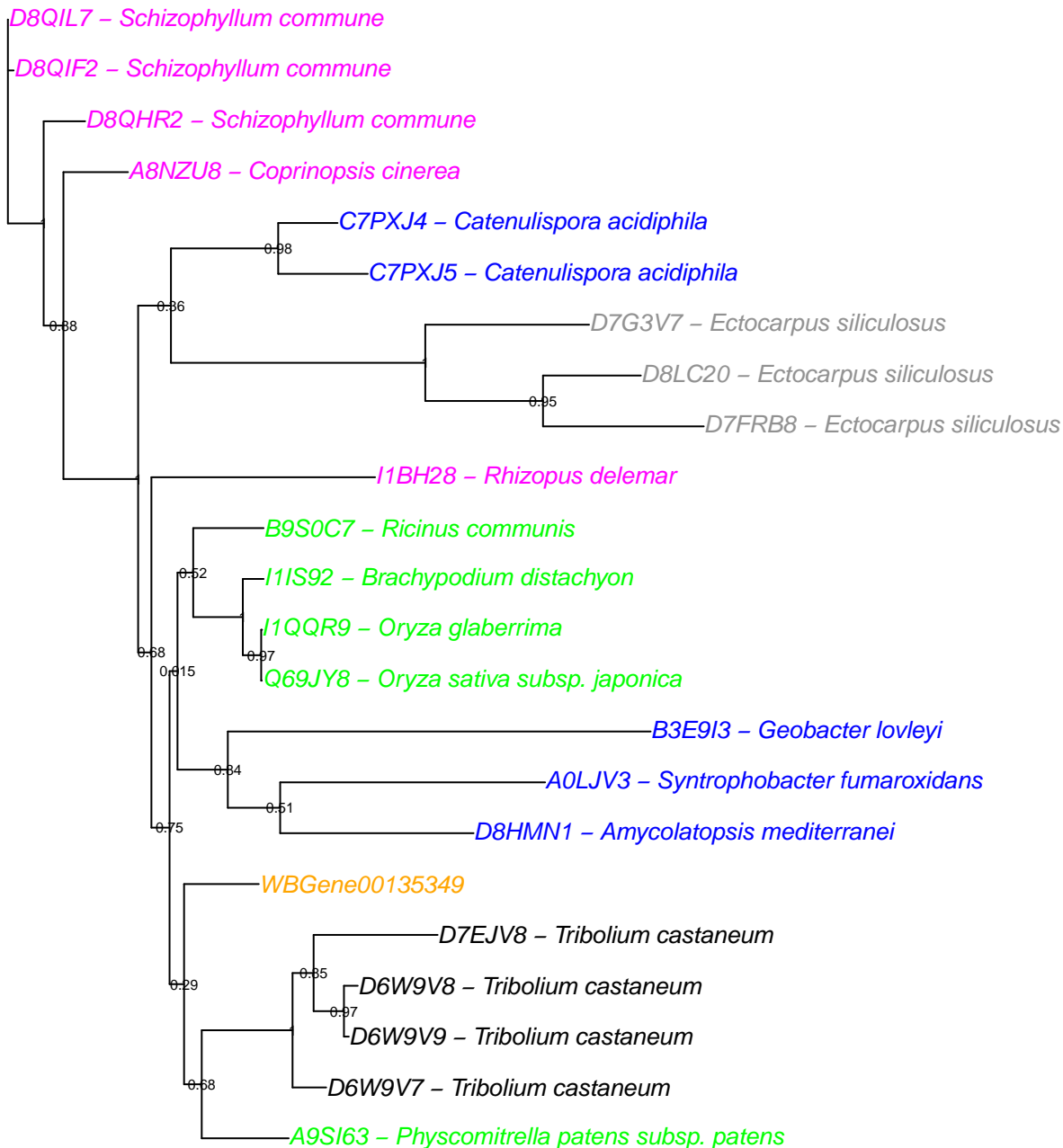
D7KHV9 – *Arabidopsis lyrata* subsp. *lyrata*

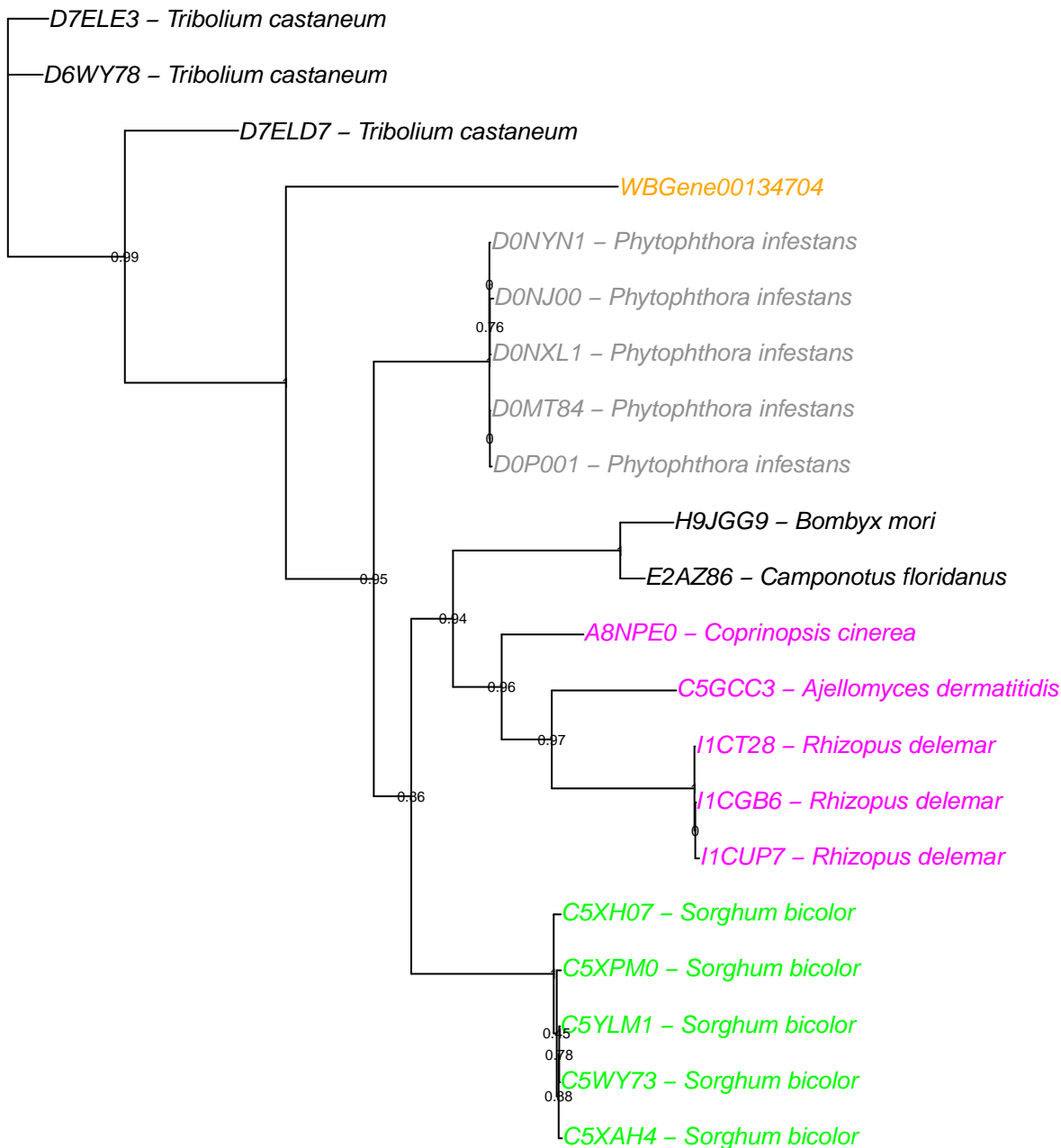
A5G6N9 – *Geobacter uraniireducens*

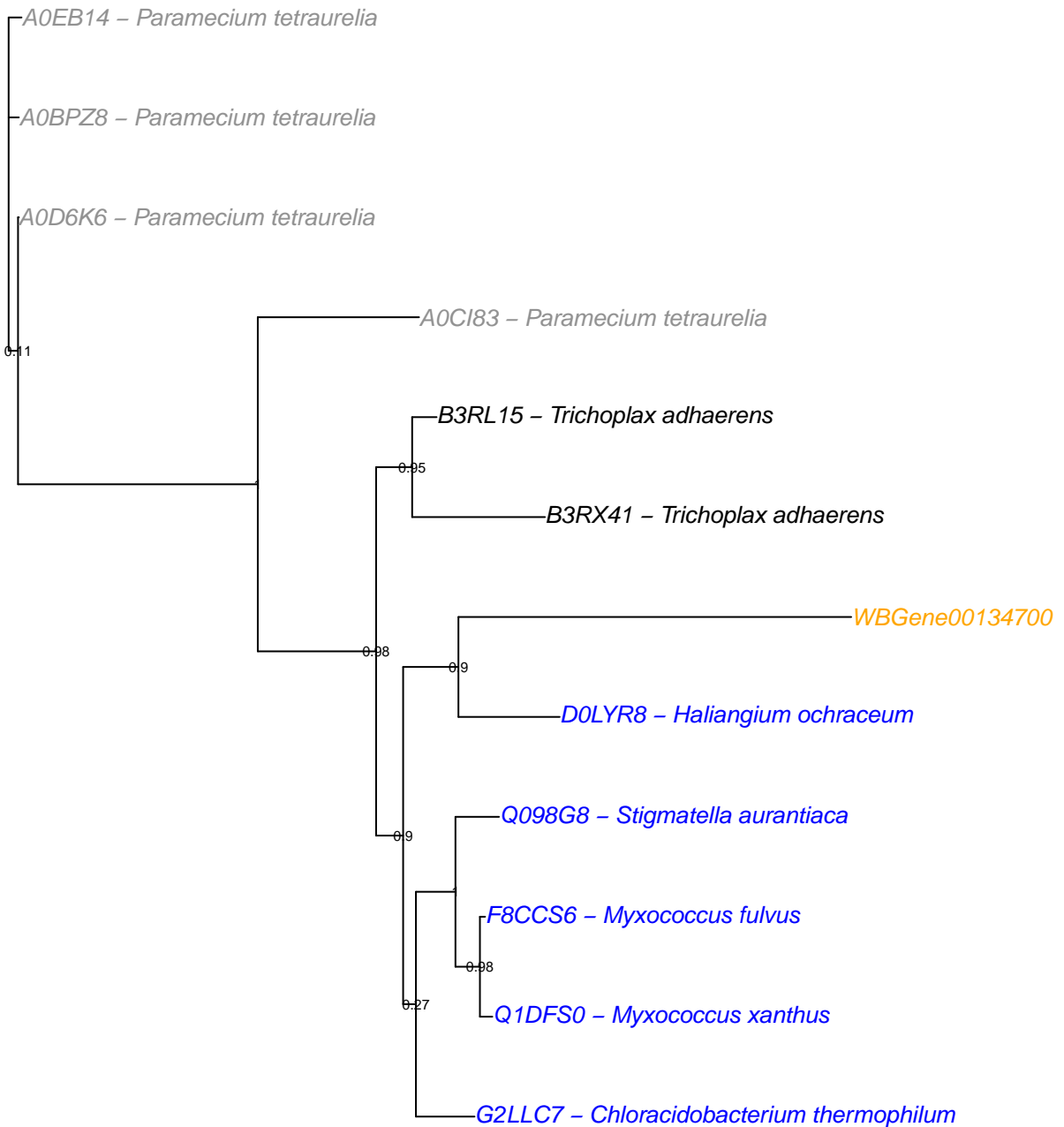
B9M7B8 – *Geobacter daltonii*











D6WTQ0 – *Tribolium castaneum*

D6X1G6 – *Tribolium castaneum*

D6WY83 – *Tribolium castaneum*

0.61

E9J9Y8 – *Solenopsis invicta*

0.84

D7GYL0 – *Tribolium castaneum*

WBGene00134699

C5KRL1 – *Perkinsus marinus*

0.18

C5L4J0 – *Perkinsus marinus*

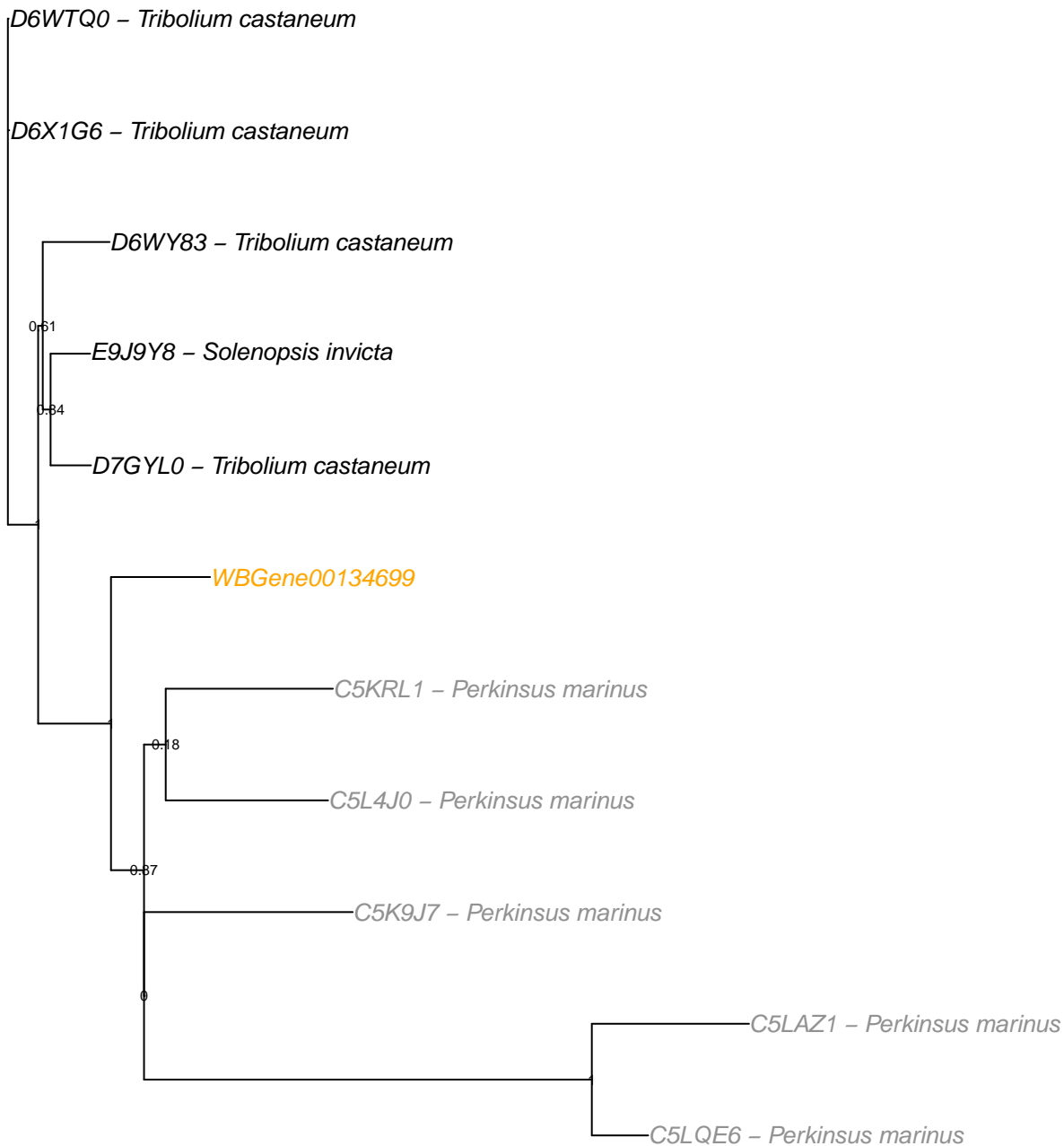
0.37

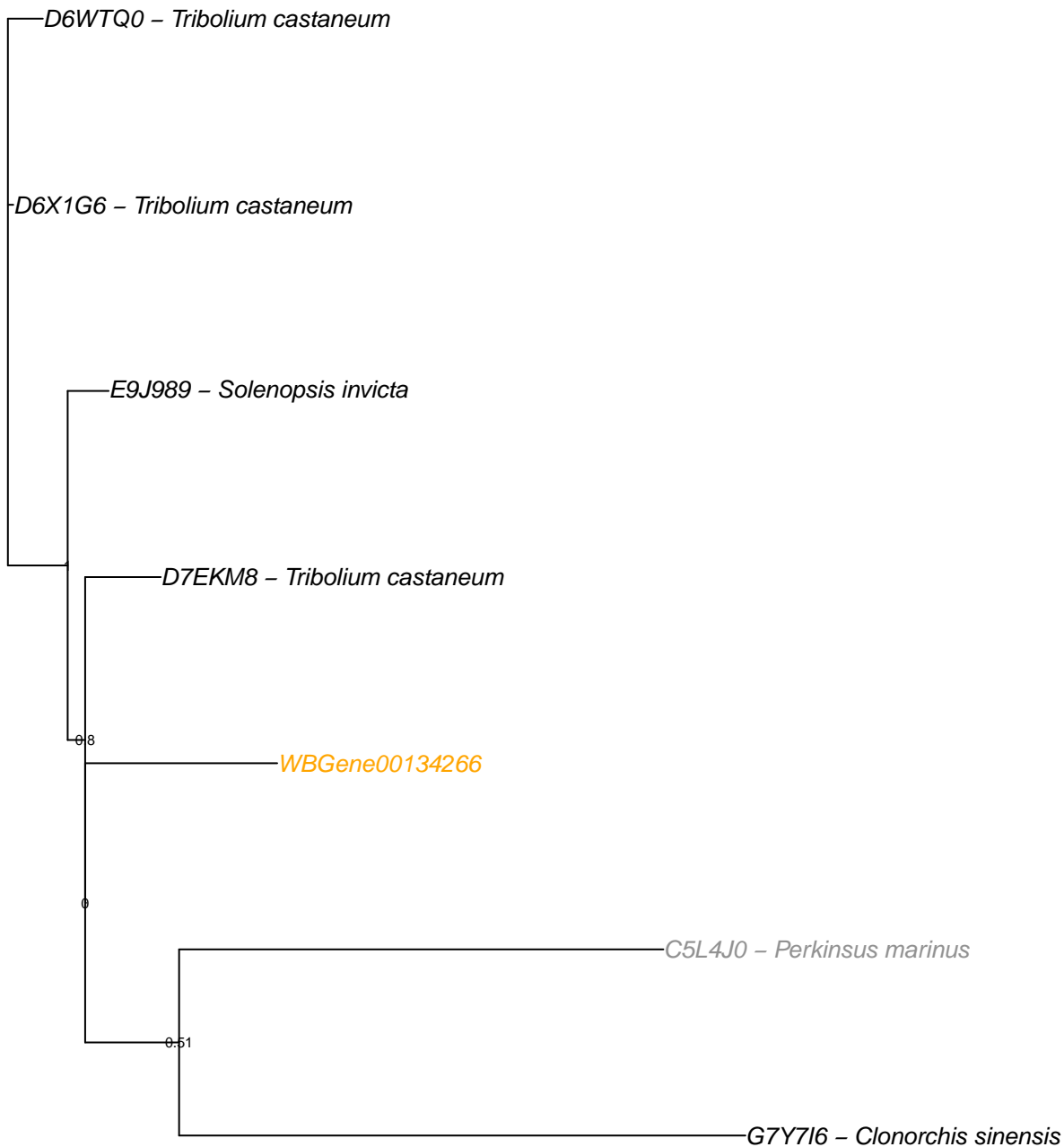
C5K9J7 – *Perkinsus marinus*

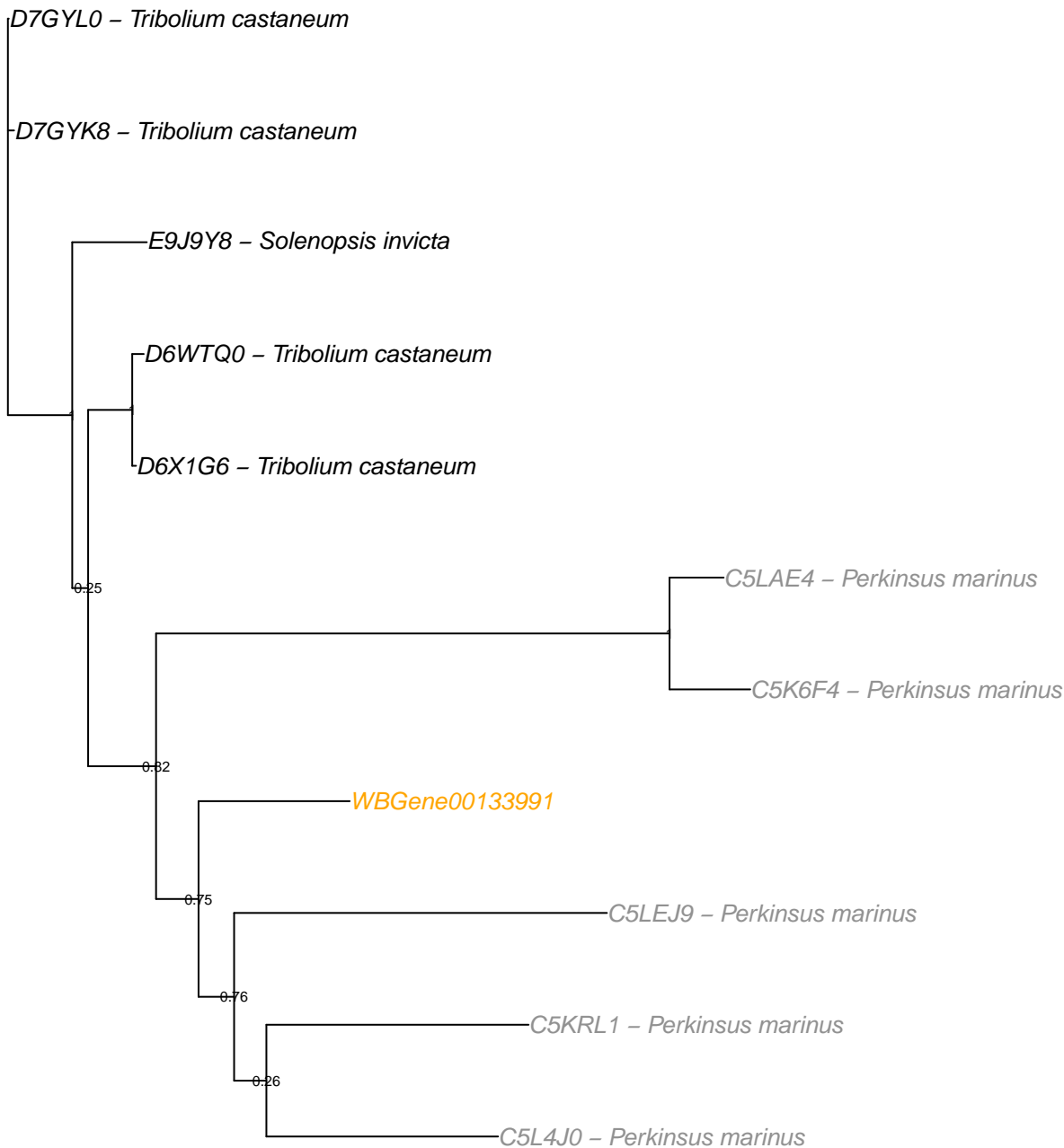
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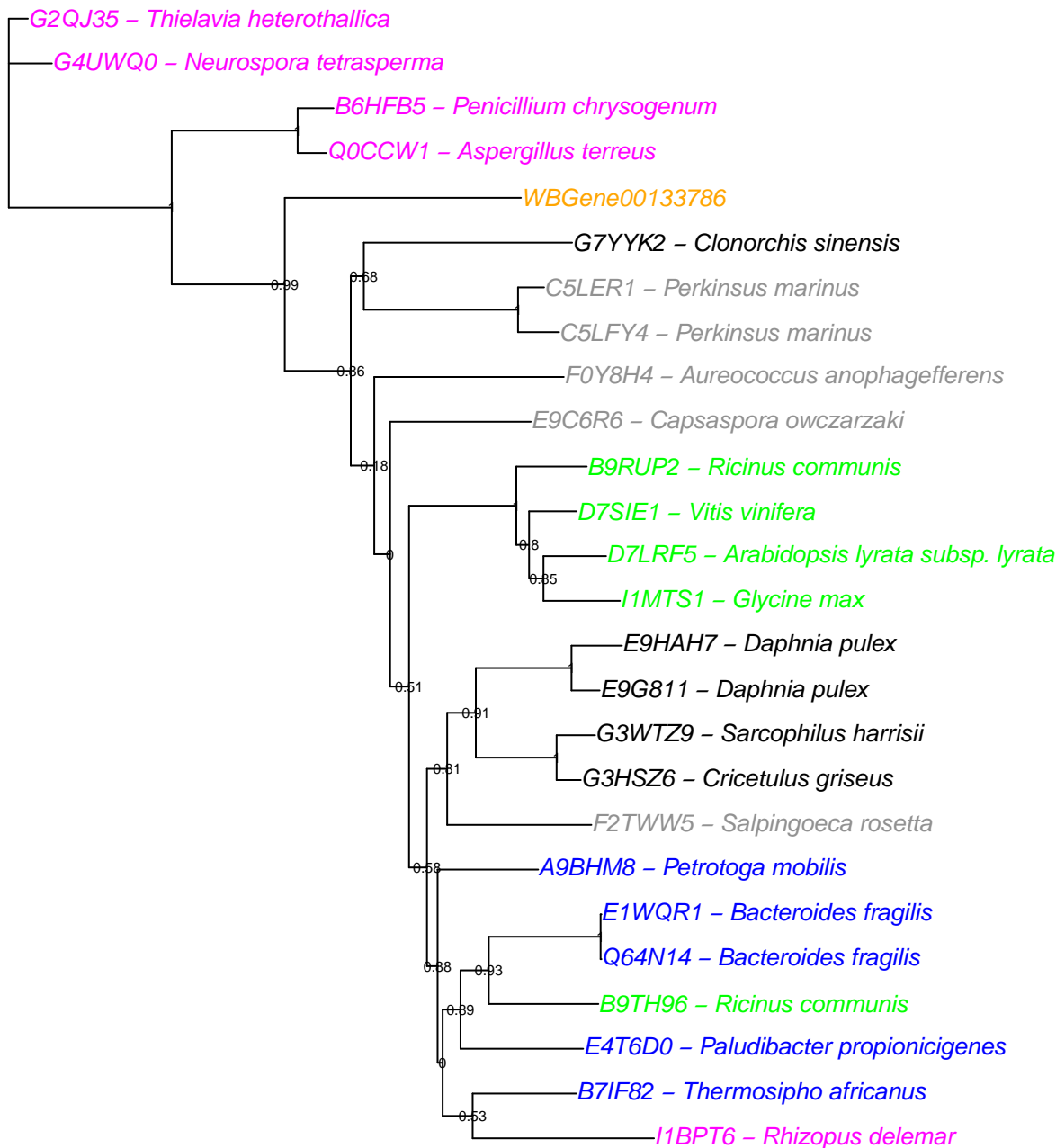
C5LAZ1 – *Perkinsus marinus*

C5LQE6 – *Perkinsus marinus*



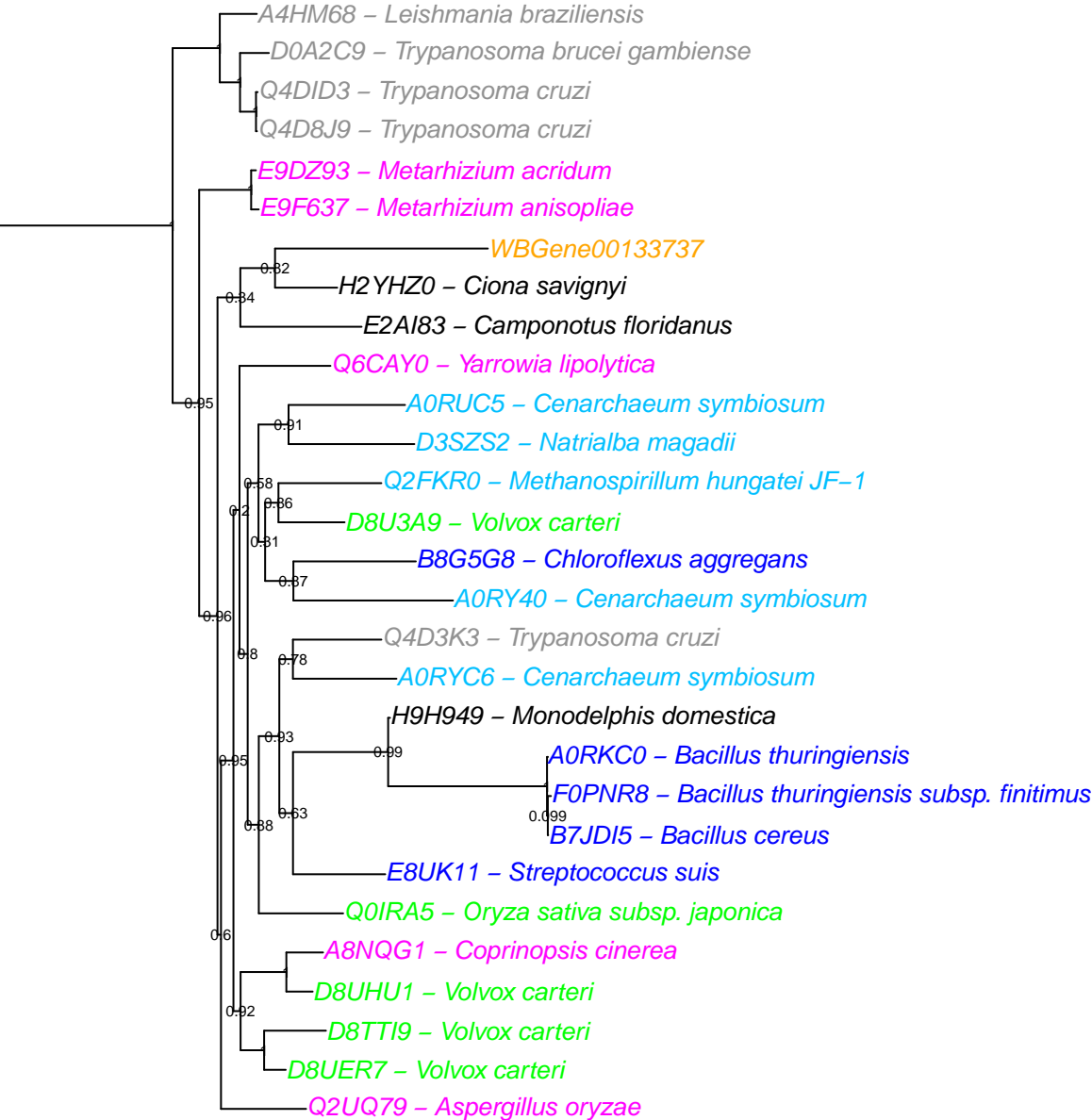




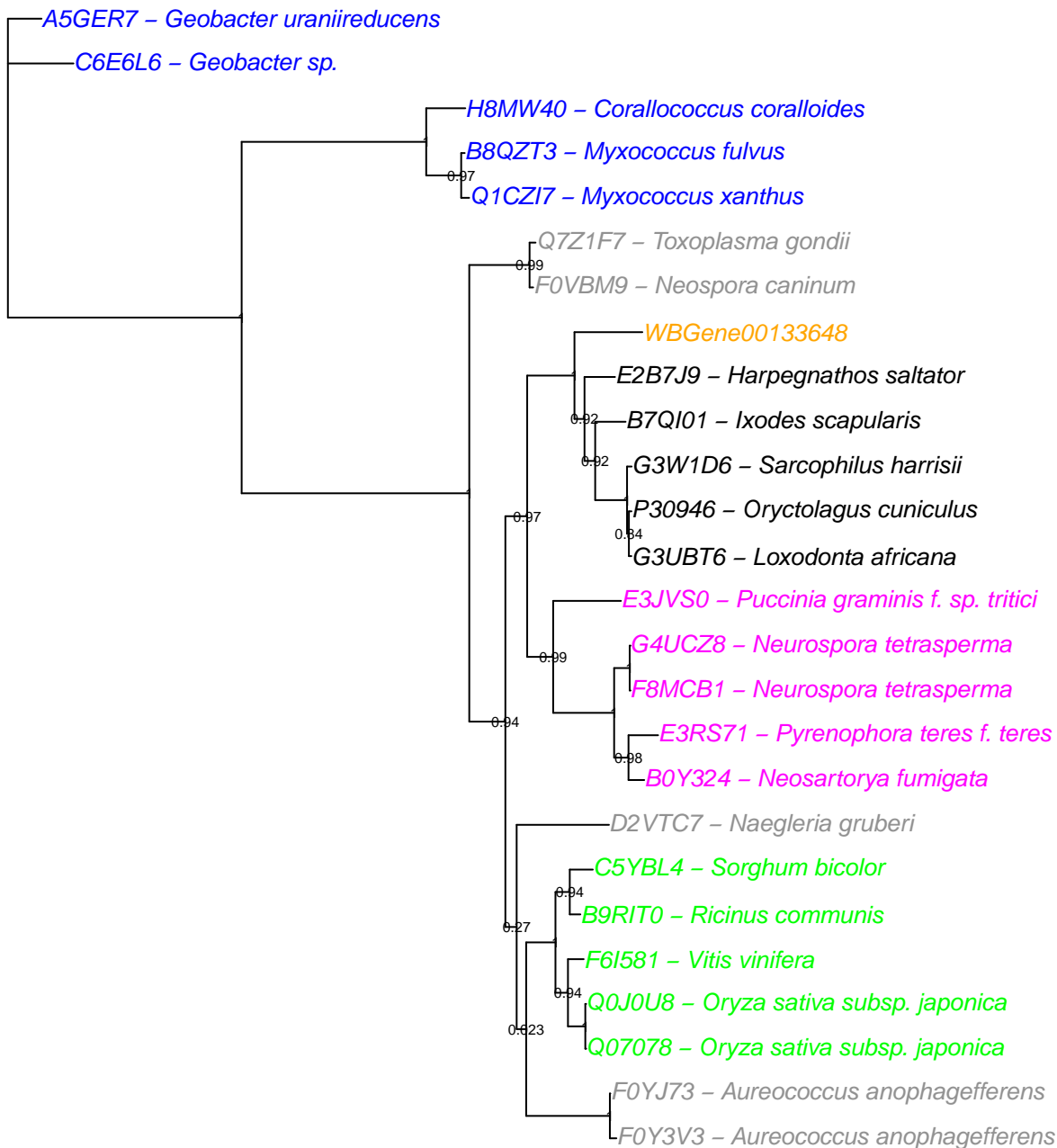


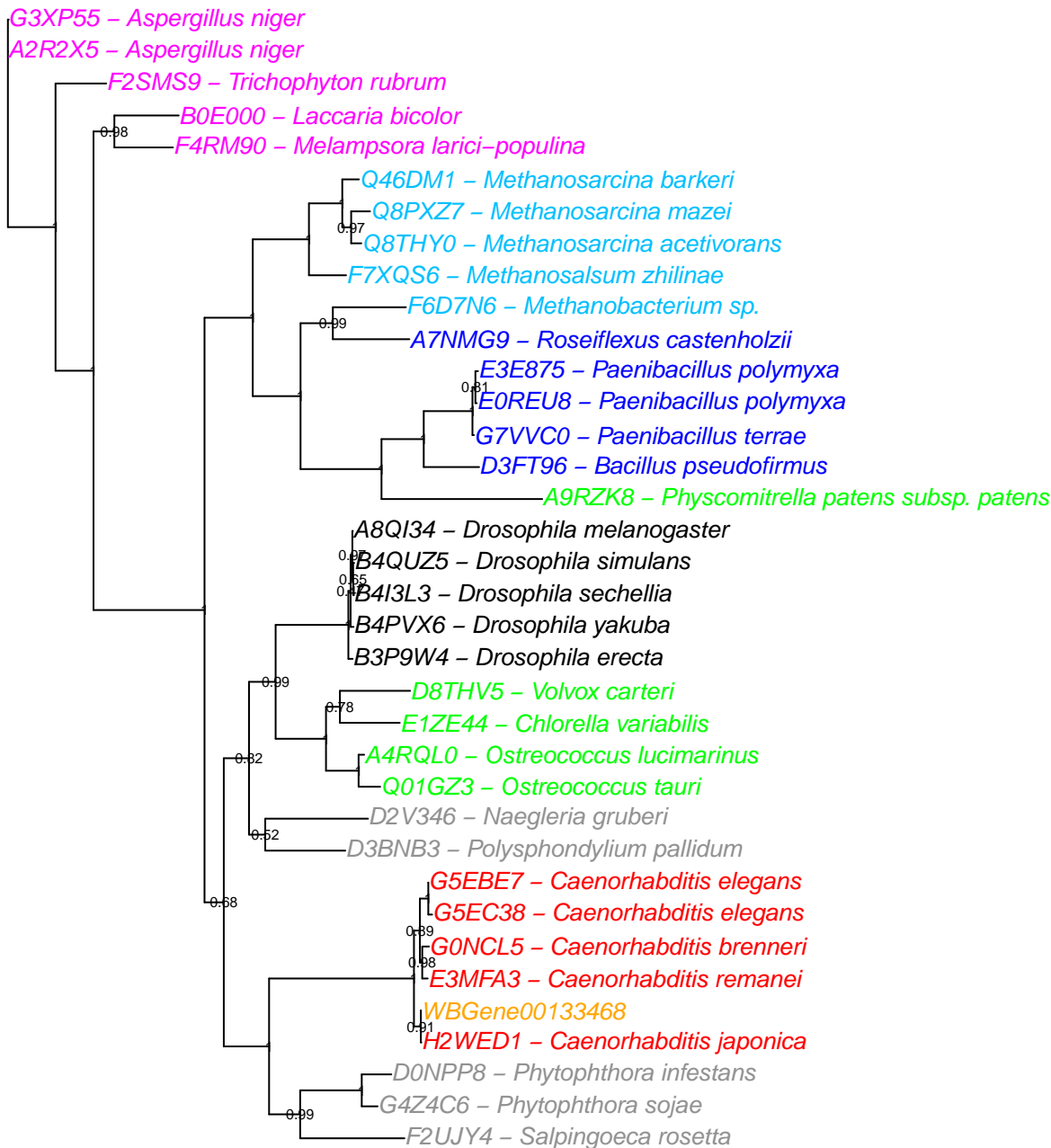
E9PWQ7 – *Mus musculus*

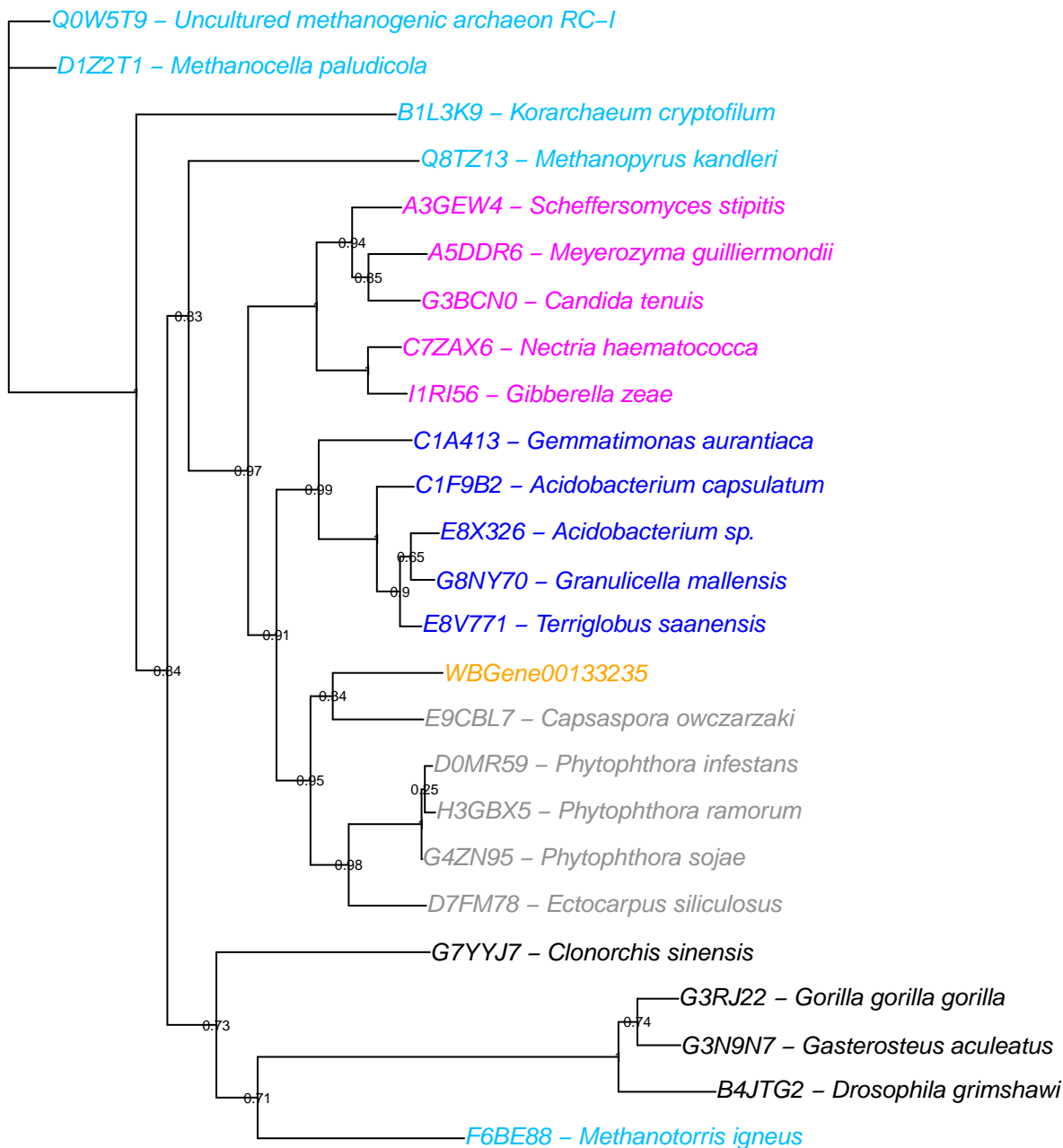
O88799 – *Mus musculus*

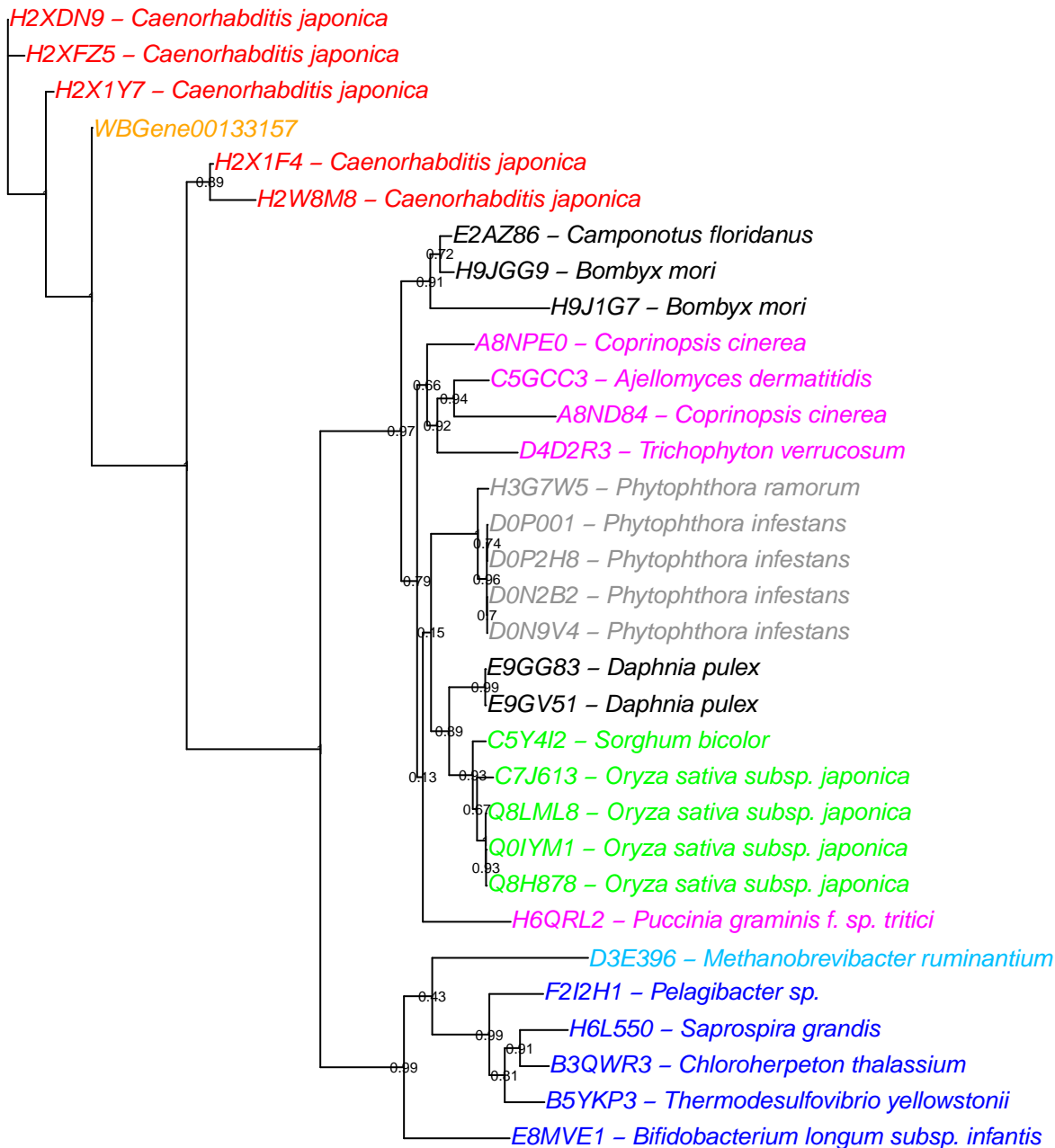


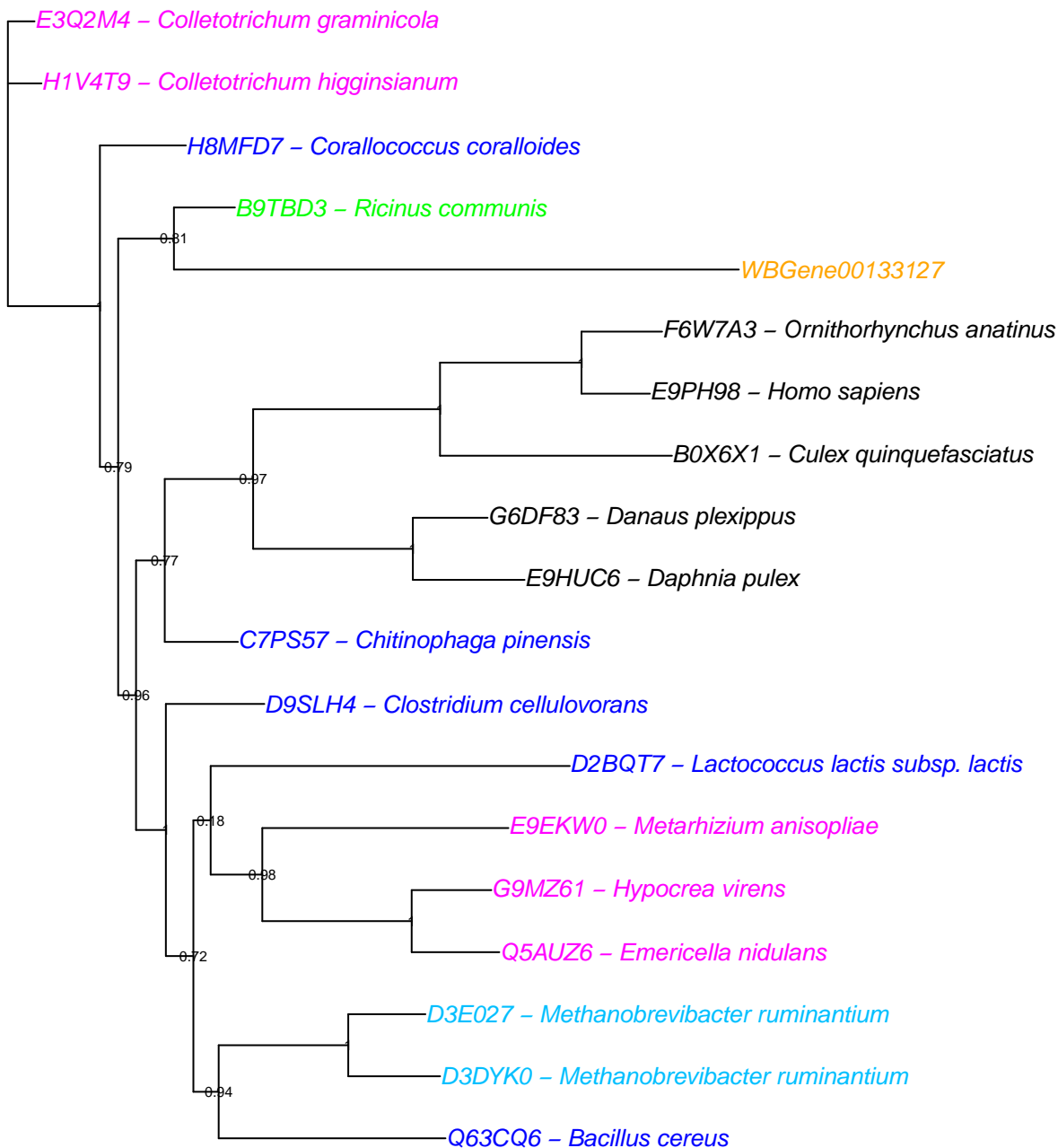


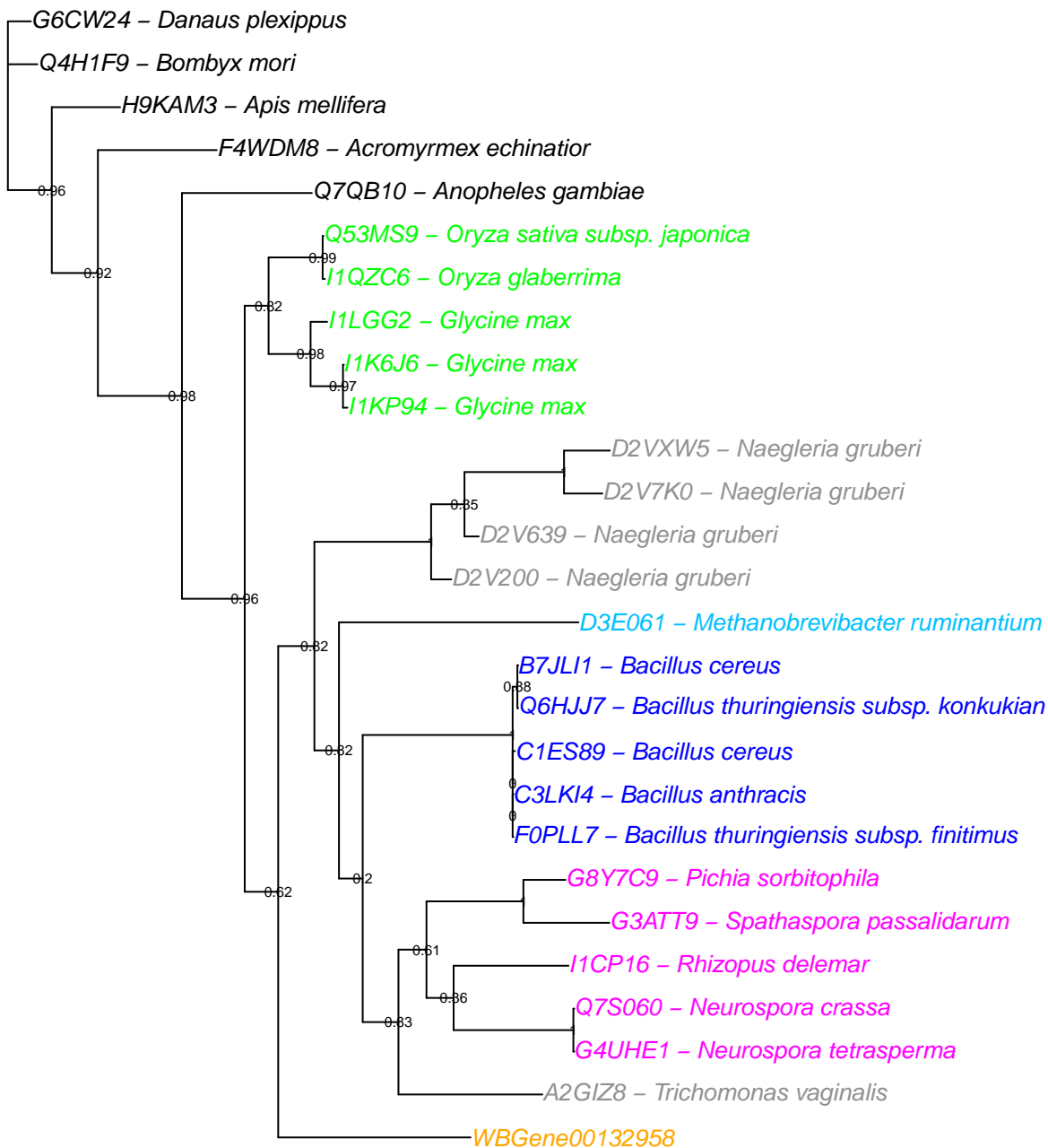


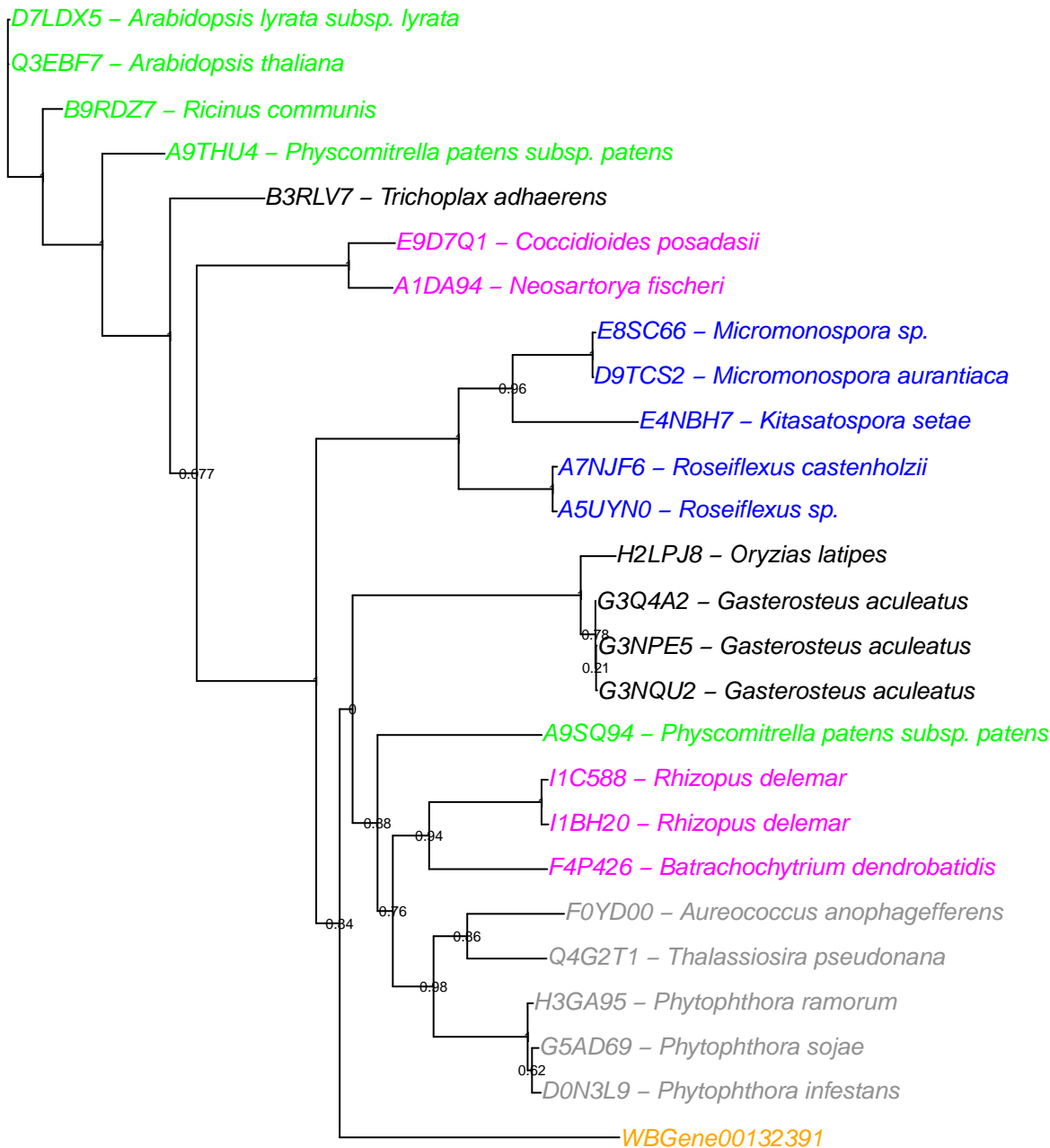


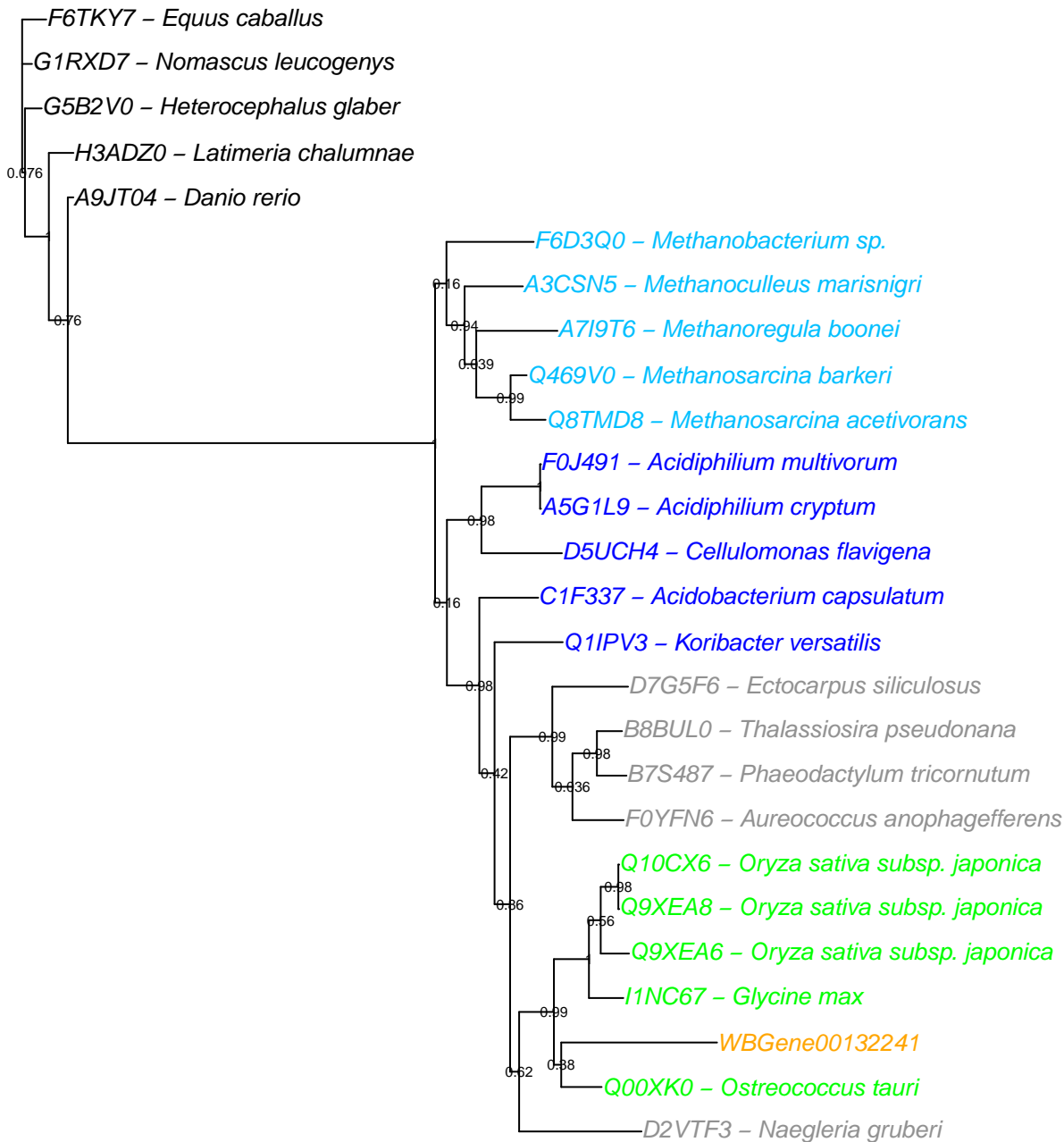














C7BJH2 – *Photorhabdus asymbiotica* subsp. *asymbiotica*

Q7N0M1 – *Photorhabdus luminescens* subsp. *laumondii*

A8H530 – *Shewanella pealeana*

A1S6M3 – *Shewanella amazonensis*

G7ZGL3 – *Azospirillum lipoferum*

F7WCJ0 – *Sordaria macrospora*

WBGene00131896

Q97B69 – *Thermoplasma volcanium*

A4RTA0 – *Ostreococcus lucimarinus*

Q014R8 – *Ostreococcus tauri*

C1MMR1 – *Micromonas pusilla*

C1E602 – *Micromonas* sp.

G3W XK3 – *Sarcophilus harrisii*

F6QYX0 – *Monodelphis domestica*

F1MEW4 – *Bos taurus*

G0EDR1 – *Pyrolobus fumarii*

B8BQD5 – *Thalassiosira pseudonana*

Q469V0 – *Methanosarcina barkeri*

A6UNL7 – *Methanococcus vannielii*

D3E4N0 – *Methanobrevibacter ruminantium*

A4HPM6 – *Leishmania braziliensis*

G4TAJ3 – *Piriformospora indica*

A8N6U5 – *Coprinopsis cinerea*

H2XVN3 – *Ciona intestinalis*

H2YR96 – *Ciona savignyi*

F2UC64 – *Salpingoeca rosetta*

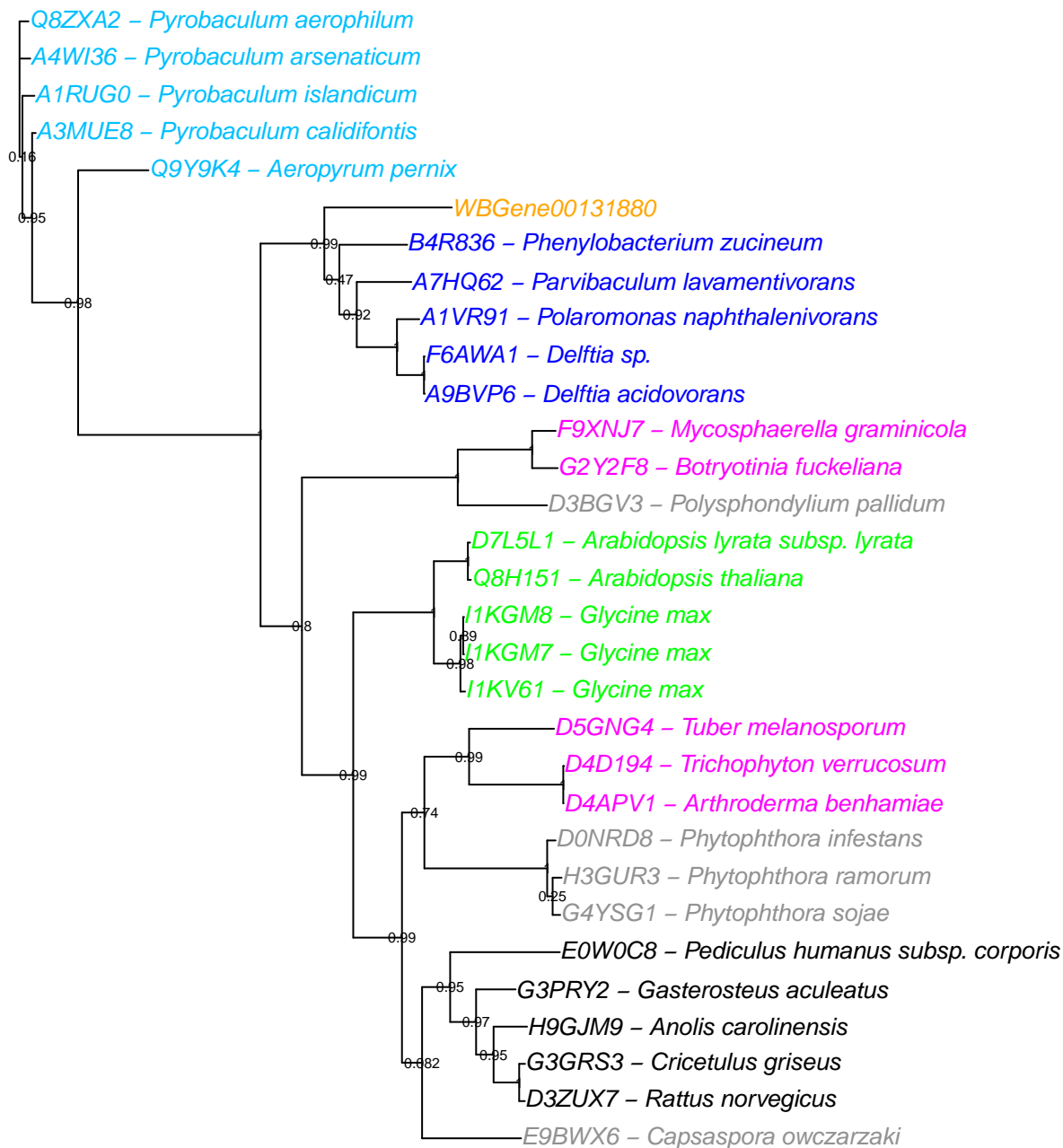
D0N3C1 – *Phytophthora infestans*

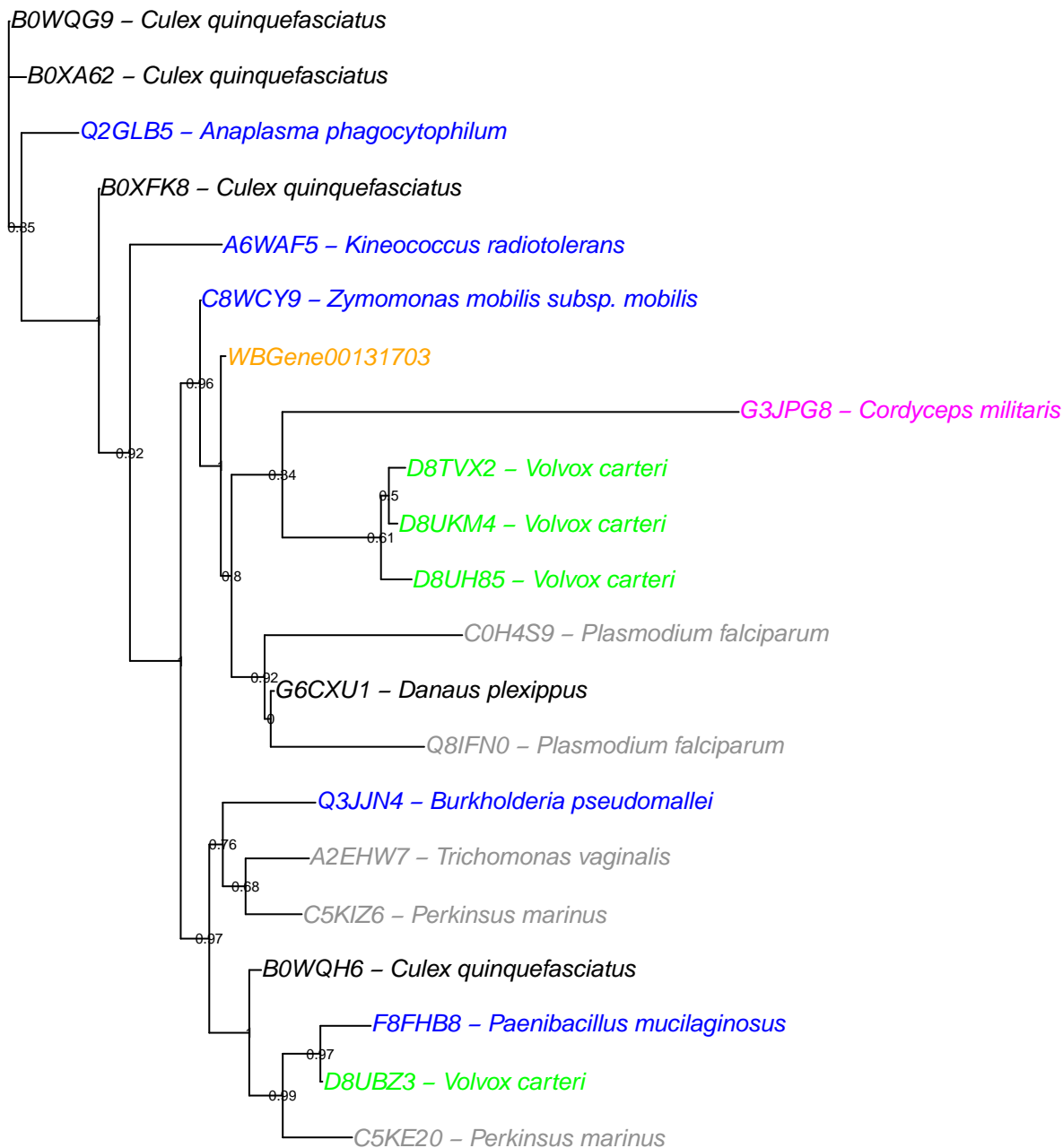
E3KJG9 – *Puccinia graminis* f. sp. *tritici*

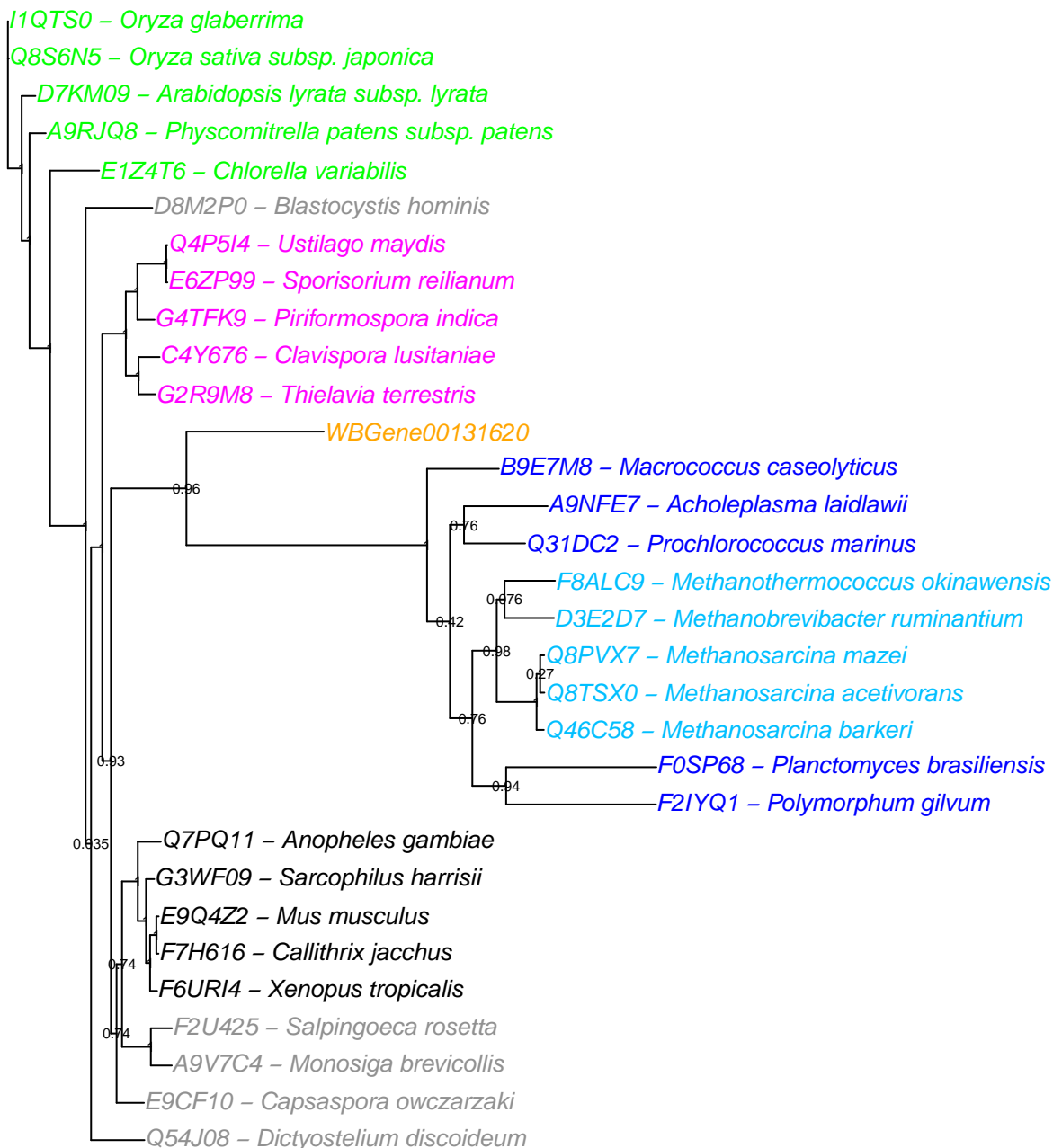
A5E599 – *Lodderomyces elongisporus*

Q016B2 – *Ostreococcus tauri*

A0E1N6 – *Paramecium tetraurelia*



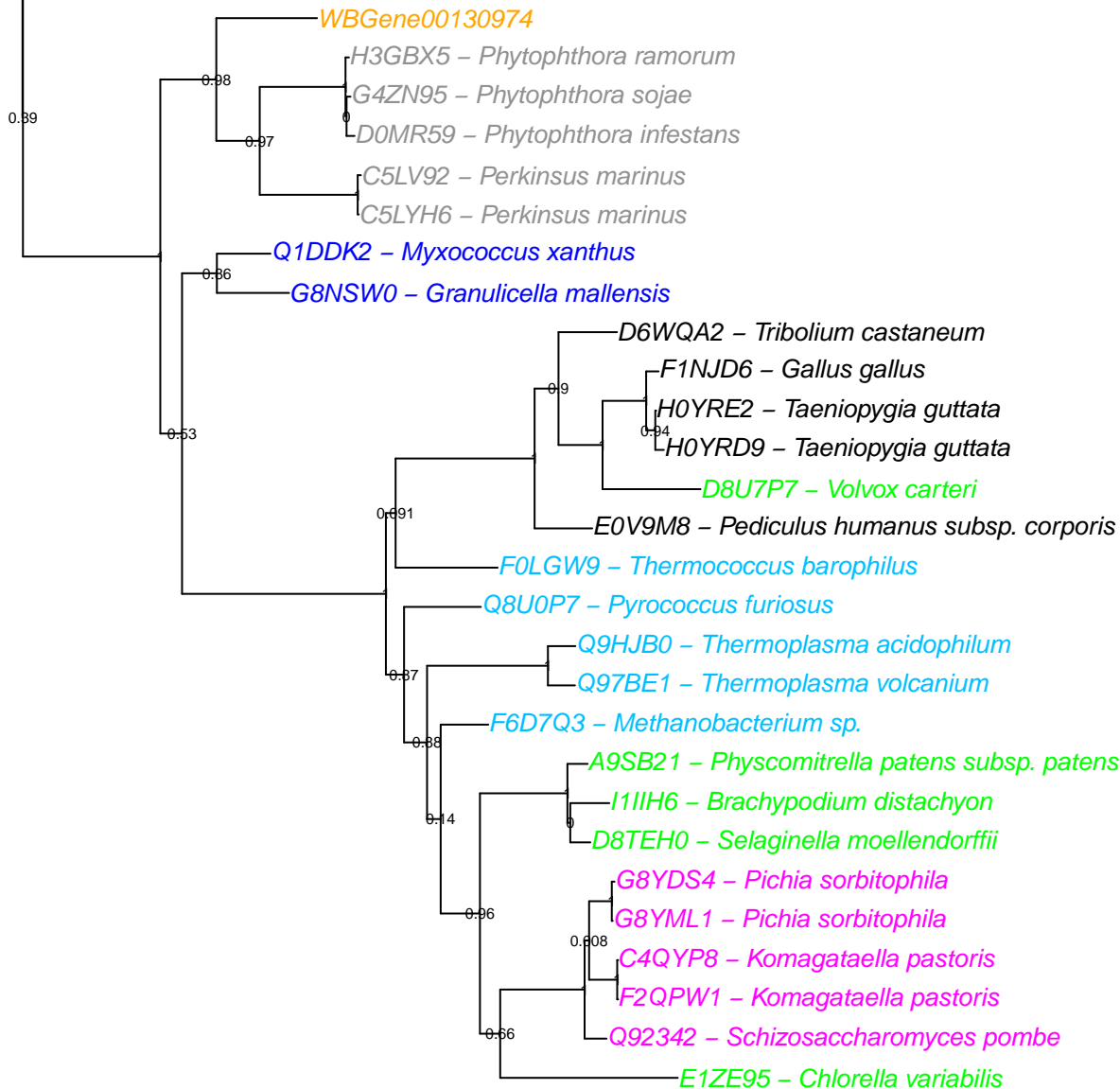


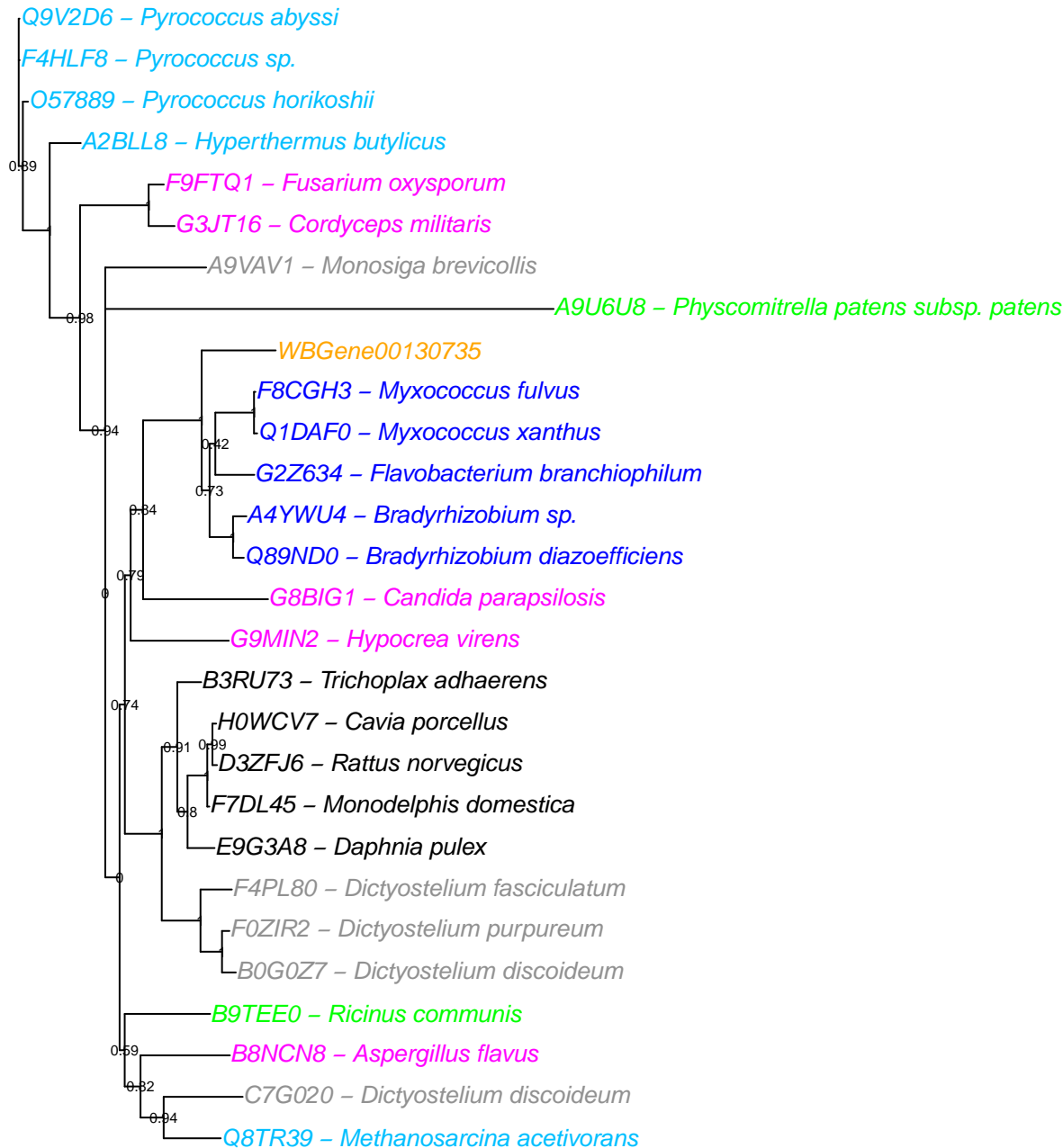


Q9HU77 – *Pseudomonas aeruginosa*

B7V3J9 – *Pseudomonas aeruginosa*

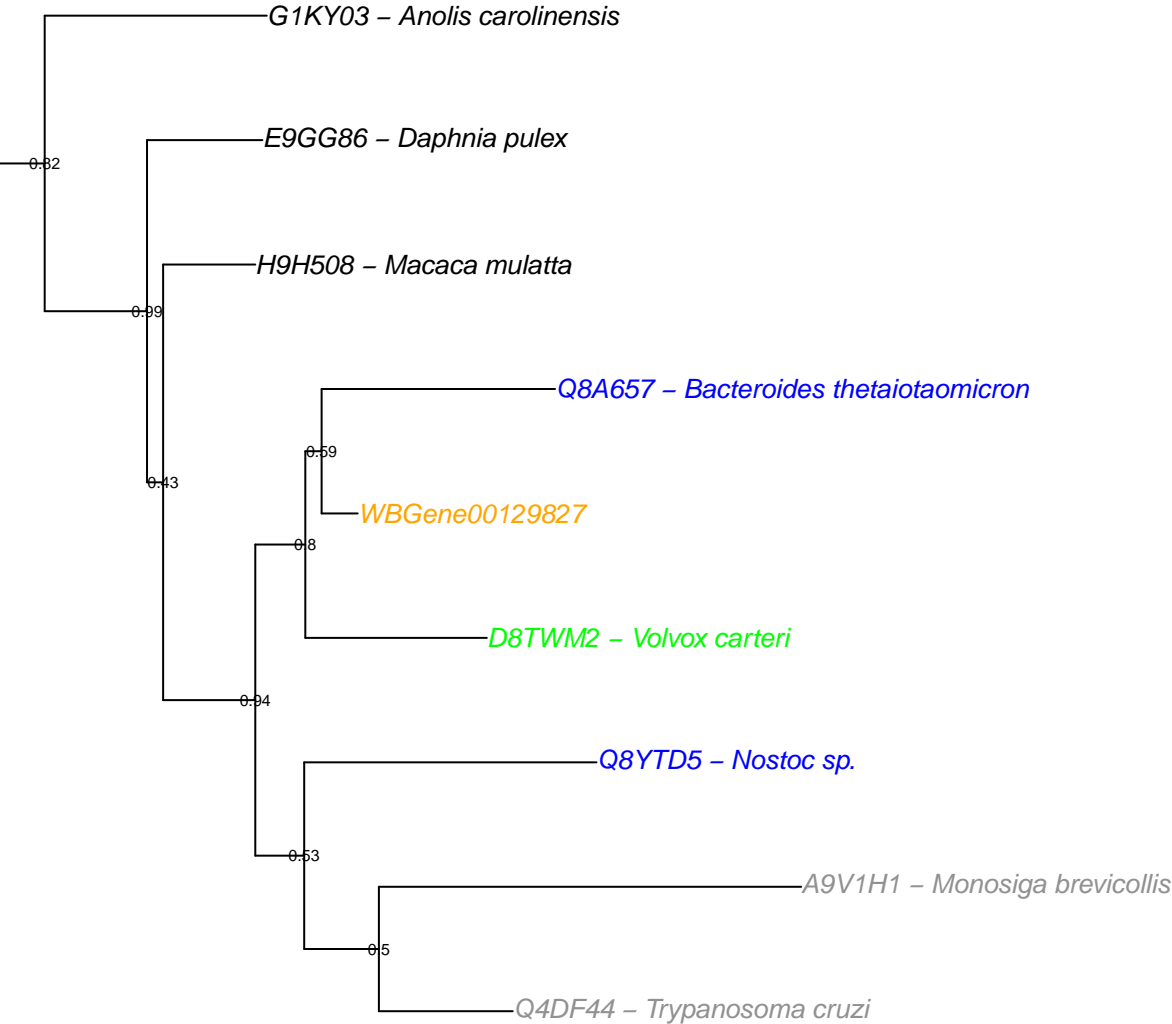
Q02ER0 – *Pseudomonas aeruginosa*

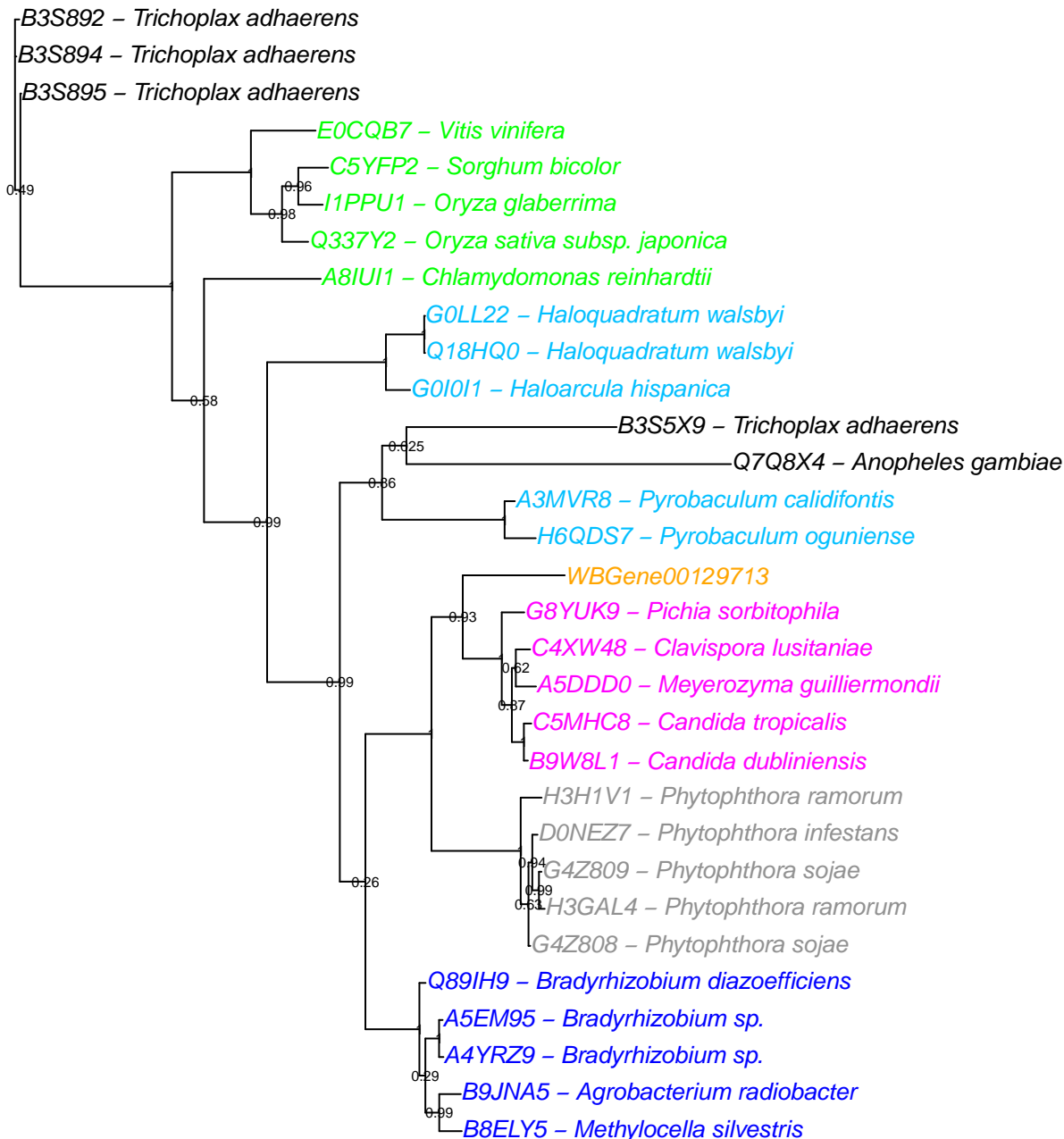




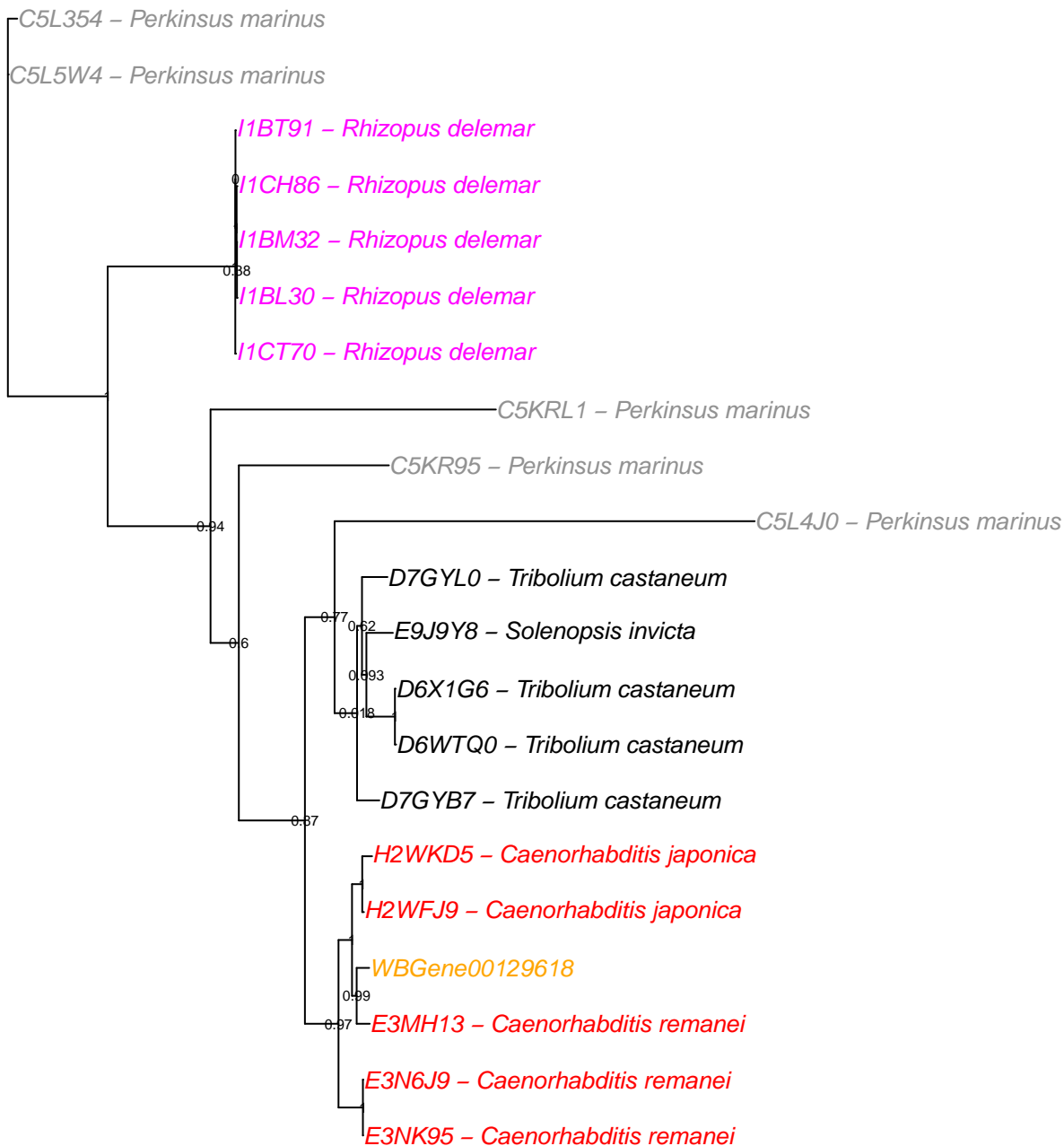
B4EI37 – *Burkholderia cenocepacia*

B1K693 – *Burkholderia cenocepacia*









D6X1G6 – *Tribolium castaneum*

D6WTQ0 – *Tribolium castaneum*

E9J9Y8 – *Solenopsis invicta*

D7GYL0 – *Tribolium castaneum*

D7GYB7 – *Tribolium castaneum*

WBGene00128854

C5M148 – *Perkinsus marinus*

C5LHE7 – *Perkinsus marinus*

C5KA92 – *Perkinsus marinus*

C5L5K1 – *Perkinsus marinus*

C5L5W4 – *Perkinsus marinus*

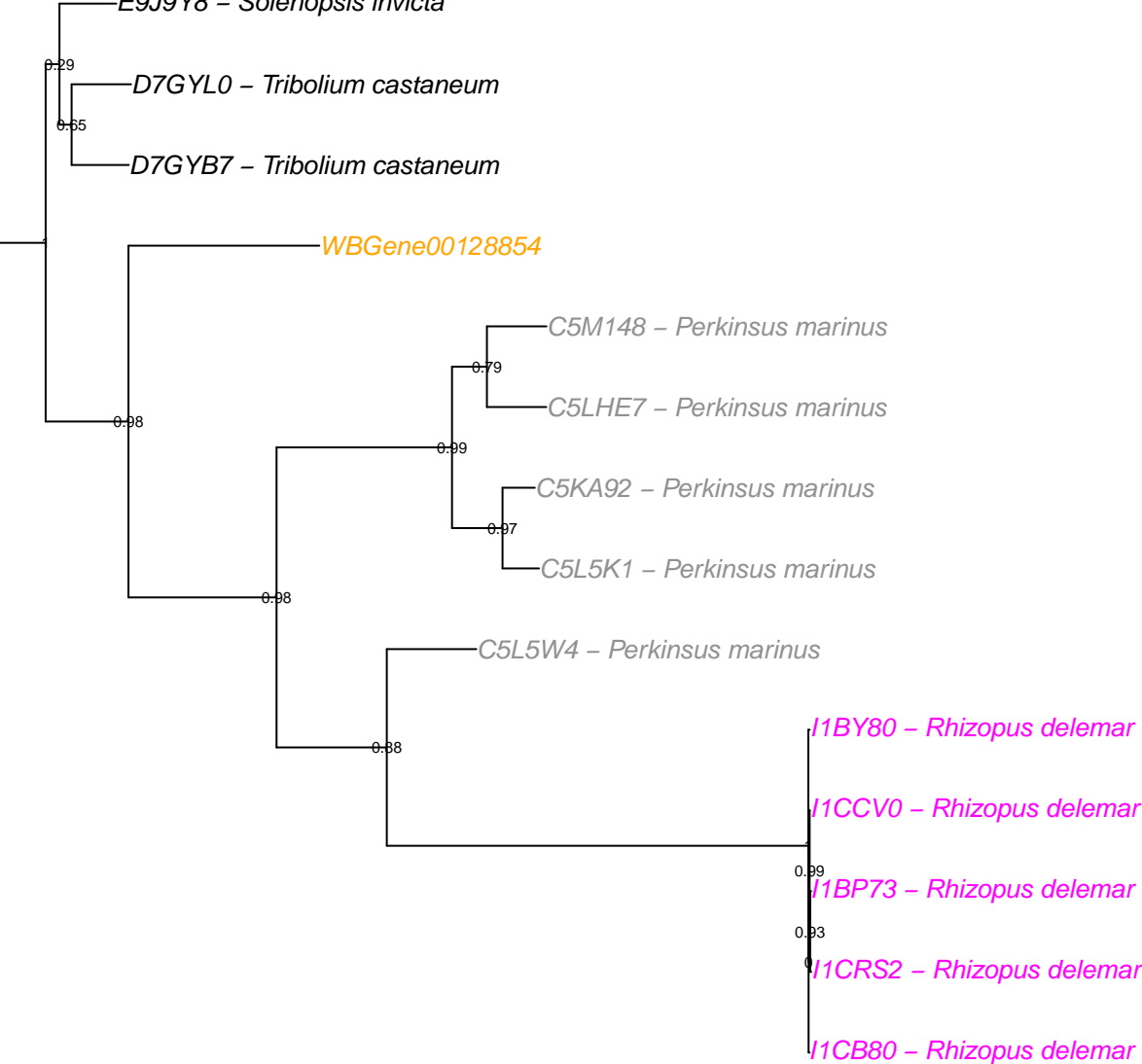
I1BY80 – *Rhizopus delemar*

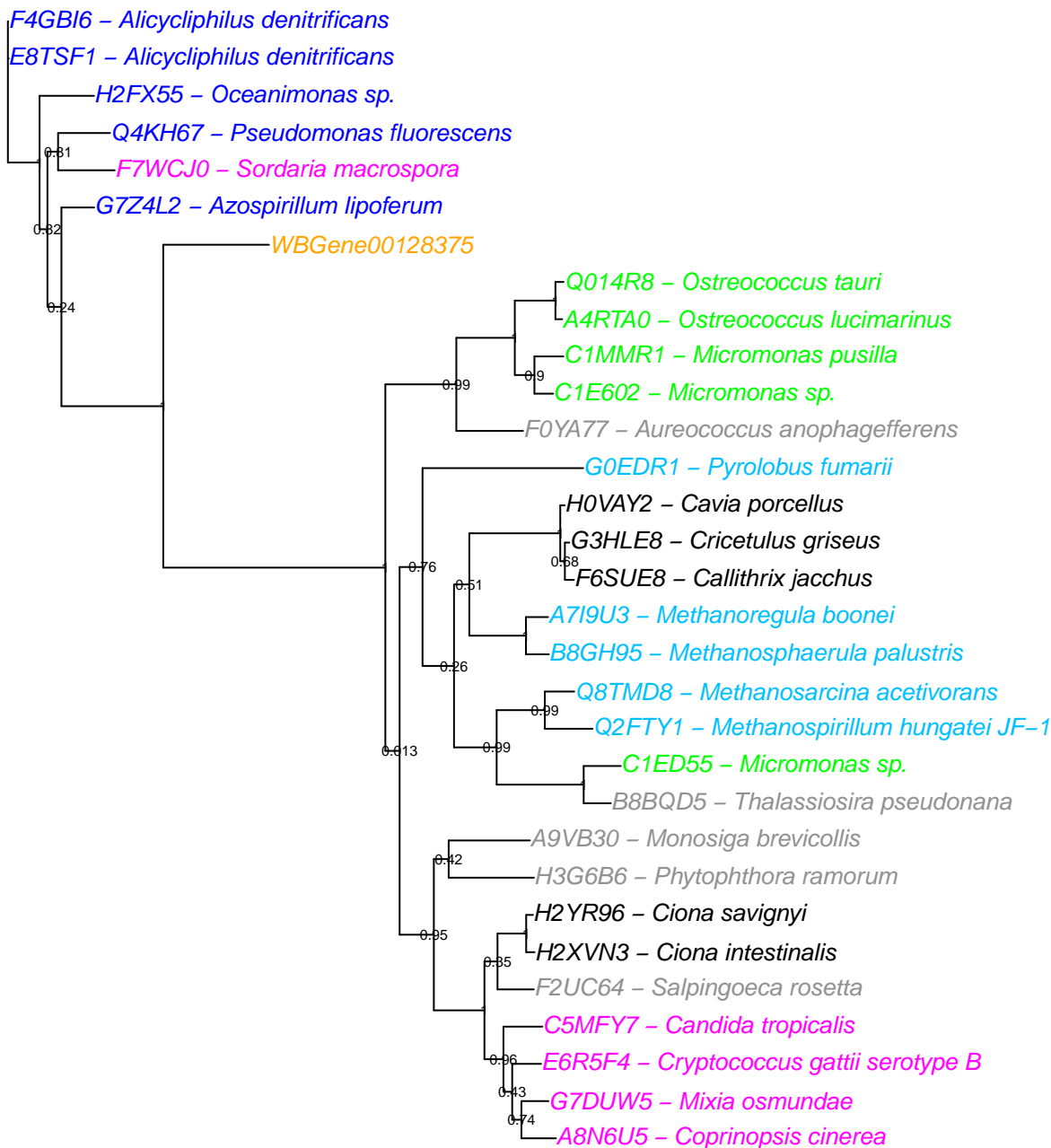
I1CCV0 – *Rhizopus delemar*

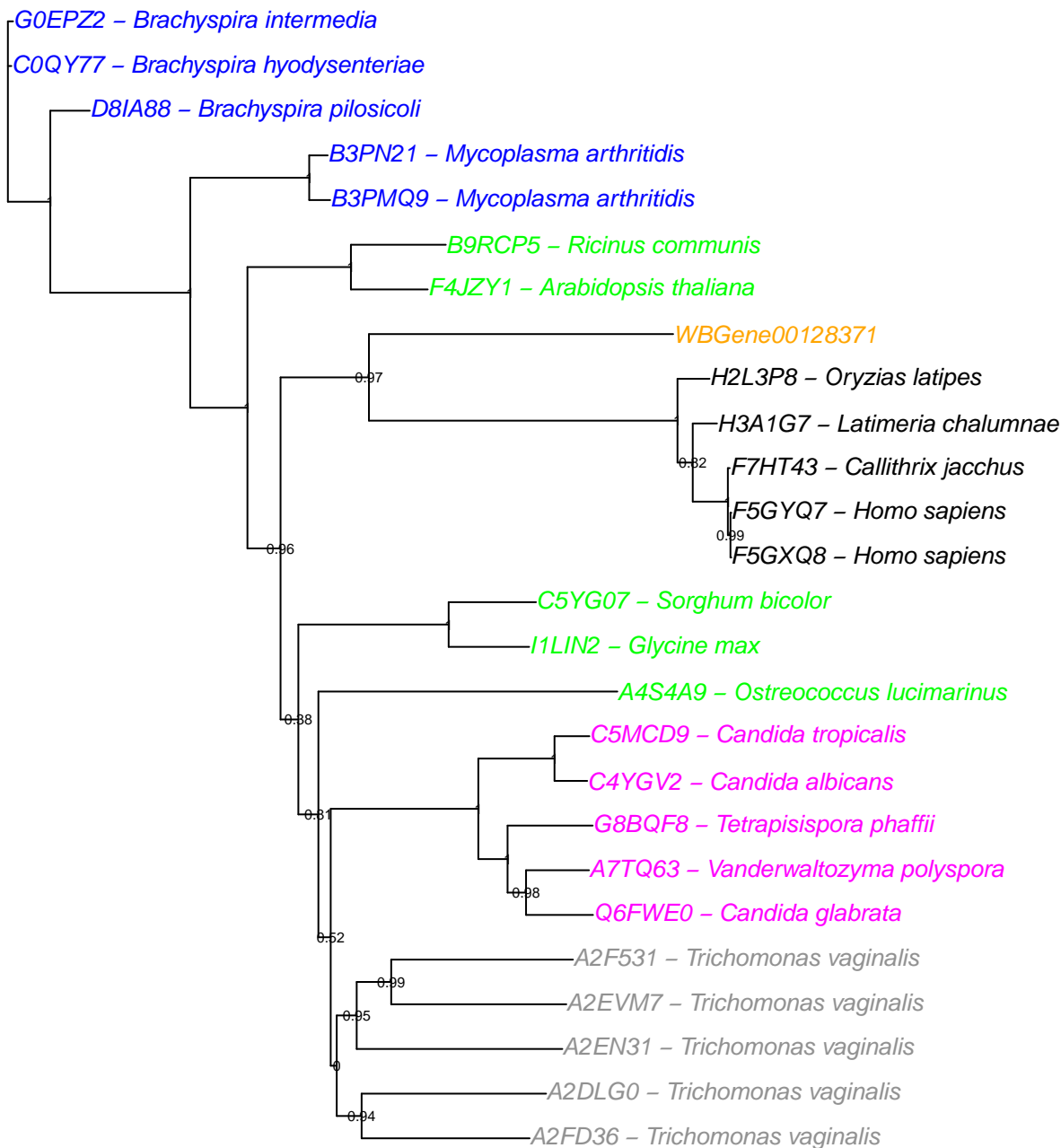
I1BP73 – *Rhizopus delemar*

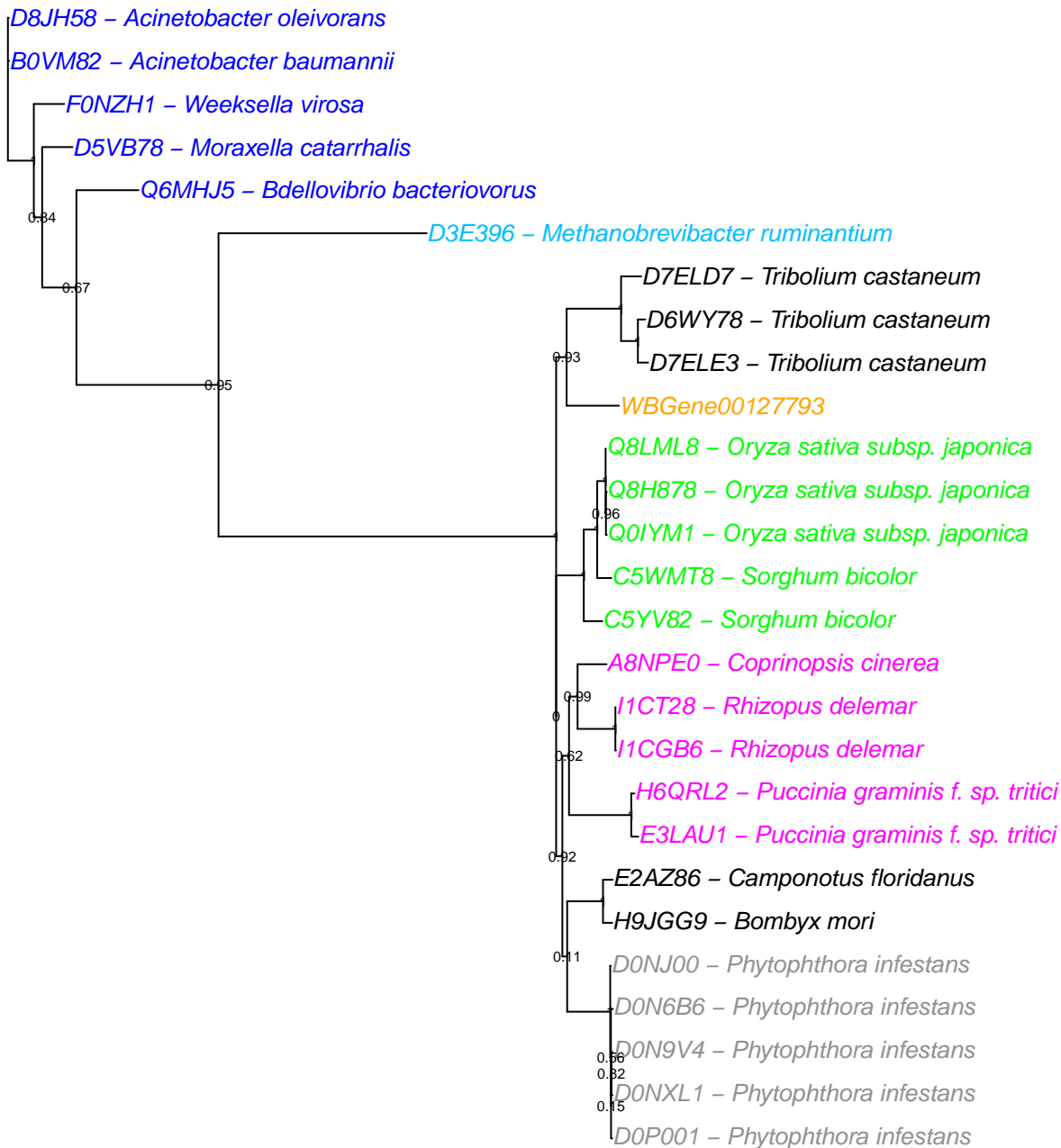
I1CRS2 – *Rhizopus delemar*

I1CB80 – *Rhizopus delemar*









WBGene00127361

H2W039 – *Caenorhabditis japonica*

Q7YZT6 – *Caenorhabditis elegans*

A8WRG3 – *Caenorhabditis briggsae*

E3MML0 – *Caenorhabditis remanei*

G0MIE1 – *Caenorhabditis brenneri*

E6VYS5 – *Desulfovibrio aespoeensis*

Q30ZN9 – *Desulfovibrio alaskensis*

E8RE18 – *Desulfobulbus propionicus*

Q2LX88 – *Syntrophus aciditrophicus*

D1B8C9 – *Thermanaerovibrio acidaminovorans*

E9FX30 – *Daphnia pulex*

E9GKQ2 – *Daphnia pulex*

E2BI26 – *Harpegnathos saltator*

F4WQ53 – *Acromyrmex echinator*

E2ANA9 – *Camponotus floridanus*

D2REU5 – *Archaeoglobus profundus*

F2L5F5 – *Thermoproteus uzoniensis*

B1YB94 – *Pyrobaculum neutrophilum*

A1RU70 – *Pyrobaculum islandicum*

H6QCH6 – *Pyrobaculum oguniense*

A4RR08 – *Ostreococcus lucimarinus*

Q9FZ57 – *Arabidopsis thaliana*

D7KEK8 – *Arabidopsis lyrata subsp. lyrata*

B9S8H7 – *Ricinus communis*

A9STD8 – *Physcomitrella patens subsp. patens*

H3G924 – *Phytophthora ramorum*

D3B4K1 – *Polysphondylium pallidum*

F4PIF2 – *Dictyostelium fasciculatum*

Q54K57 – *Dictyostelium discoideum*

F0ZS42 – *Dictyostelium purpureum*

G0V888 – *Naumovozyma castellii*

C4XXR9 – *Clavispora lusitanae*

G3B866 – *Candida tenuis*

B8MP56 – *Talaromyces stipitatus*

B6QTY1 – *Penicillium marneffeii*

Q8LM10 – *Oryza sativa* subsp. *japonica*

Q8S6J3 – *Oryza sativa* subsp. *japonica*

Q53QL2 – *Oryza sativa* subsp. *japonica*

I1CCV0 – *Rhizopus delemar*

I1BY80 – *Rhizopus delemar*

I1C017 – *Rhizopus delemar*

I1BP73 – *Rhizopus delemar*

I1BM10 – *Rhizopus delemar*

C5KMB8 – *Perkinsus marinus*

C5KA92 – *Perkinsus marinus*

E3MH13 – *Caenorhabditis remanei*

H2WKD5 – *Caenorhabditis japonica*

H2WHD8 – *Caenorhabditis japonica*

H2W038 – *Caenorhabditis japonica*

WBGene00127360

H2WFJ9 – *Caenorhabditis japonica*

E9J9Y8 – *Solenopsis invicta*

D6X1G6 – *Tribolium castaneum*

D7GYB7 – *Tribolium castaneum*

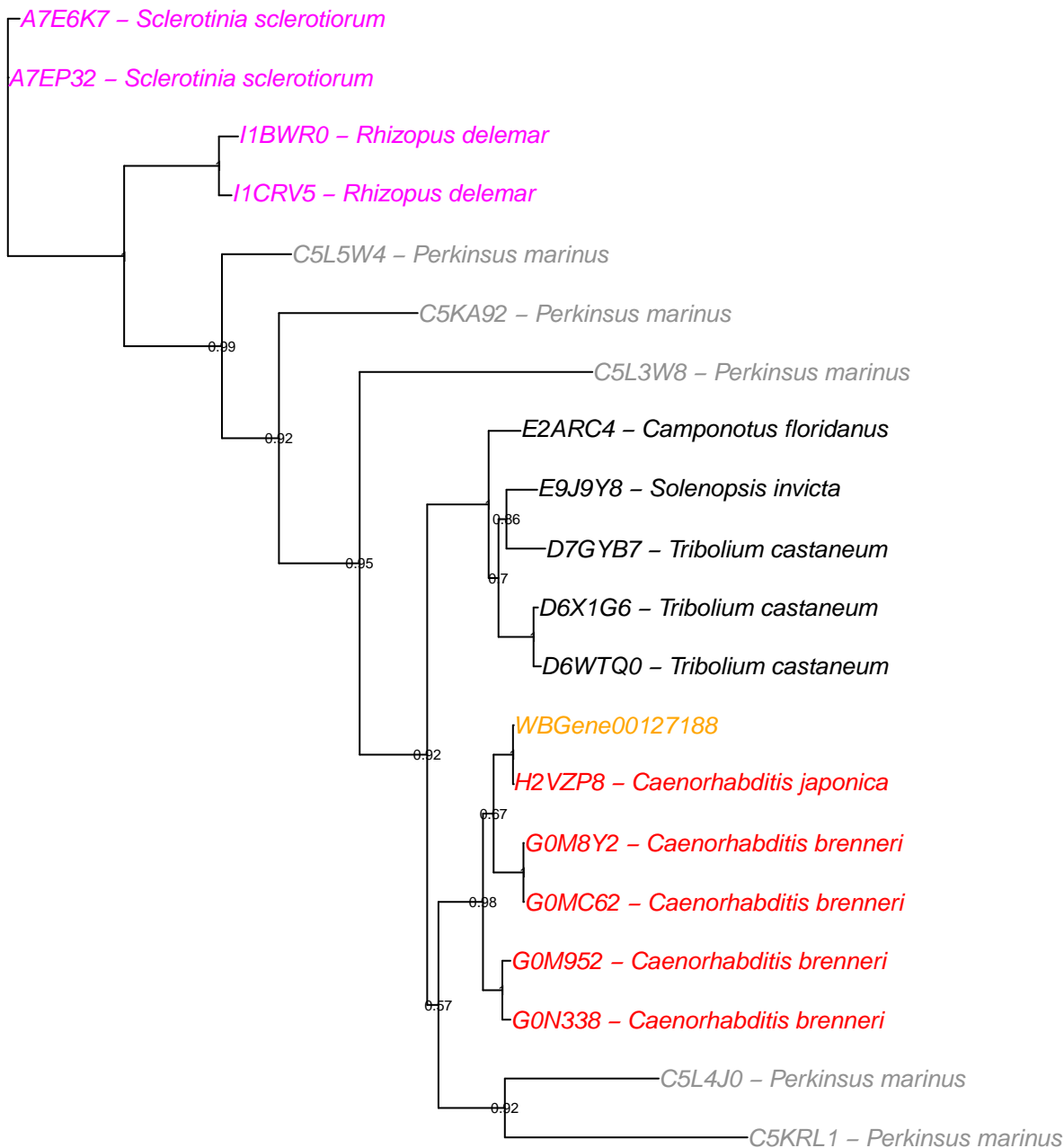
D2A2Q6 – *Tribolium castaneum*

E2ARC4 – *Camponotus floridanus*

C5KR95 – *Perkinsus marinus*

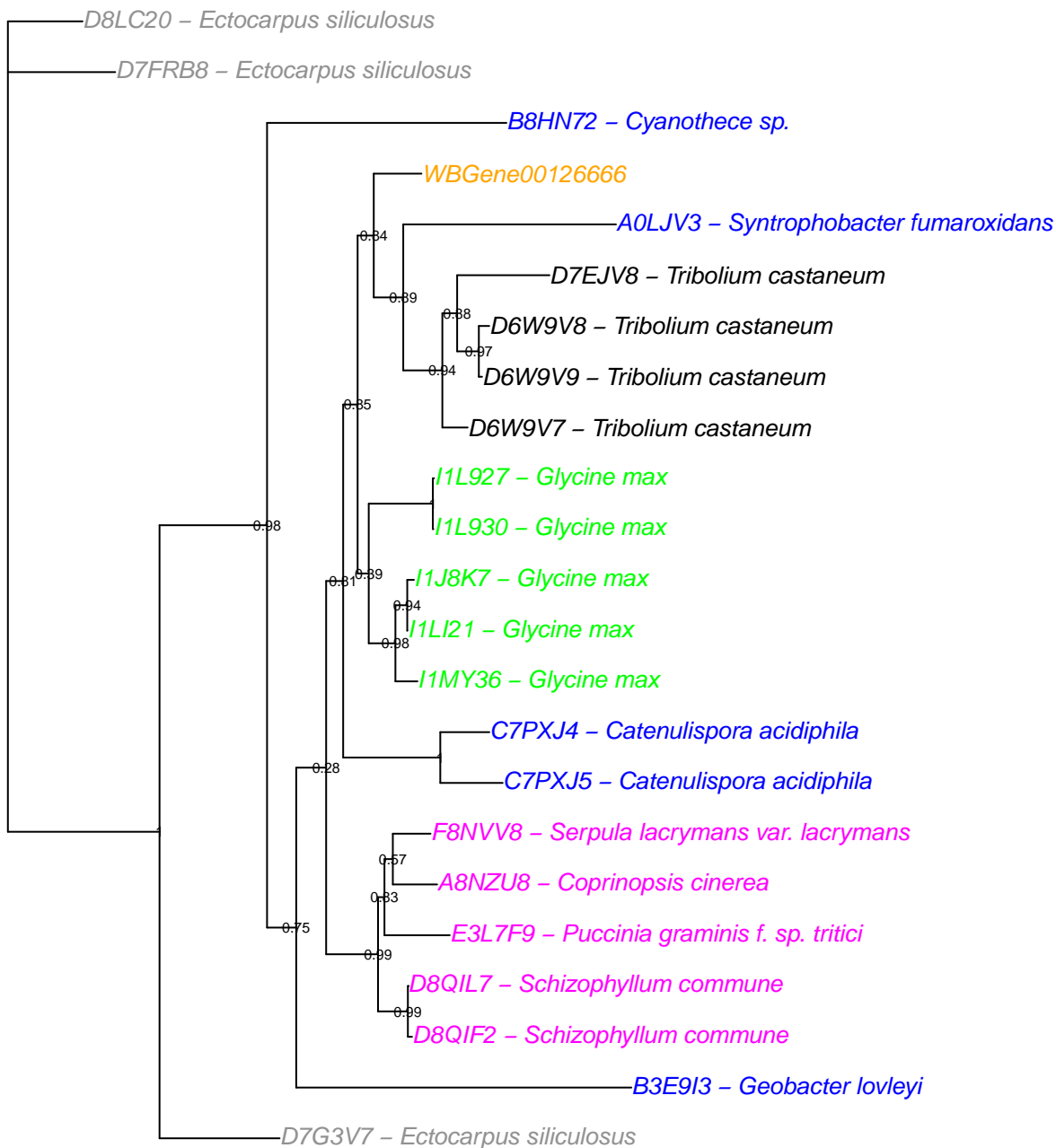
C5KDR9 – *Perkinsus marinus*

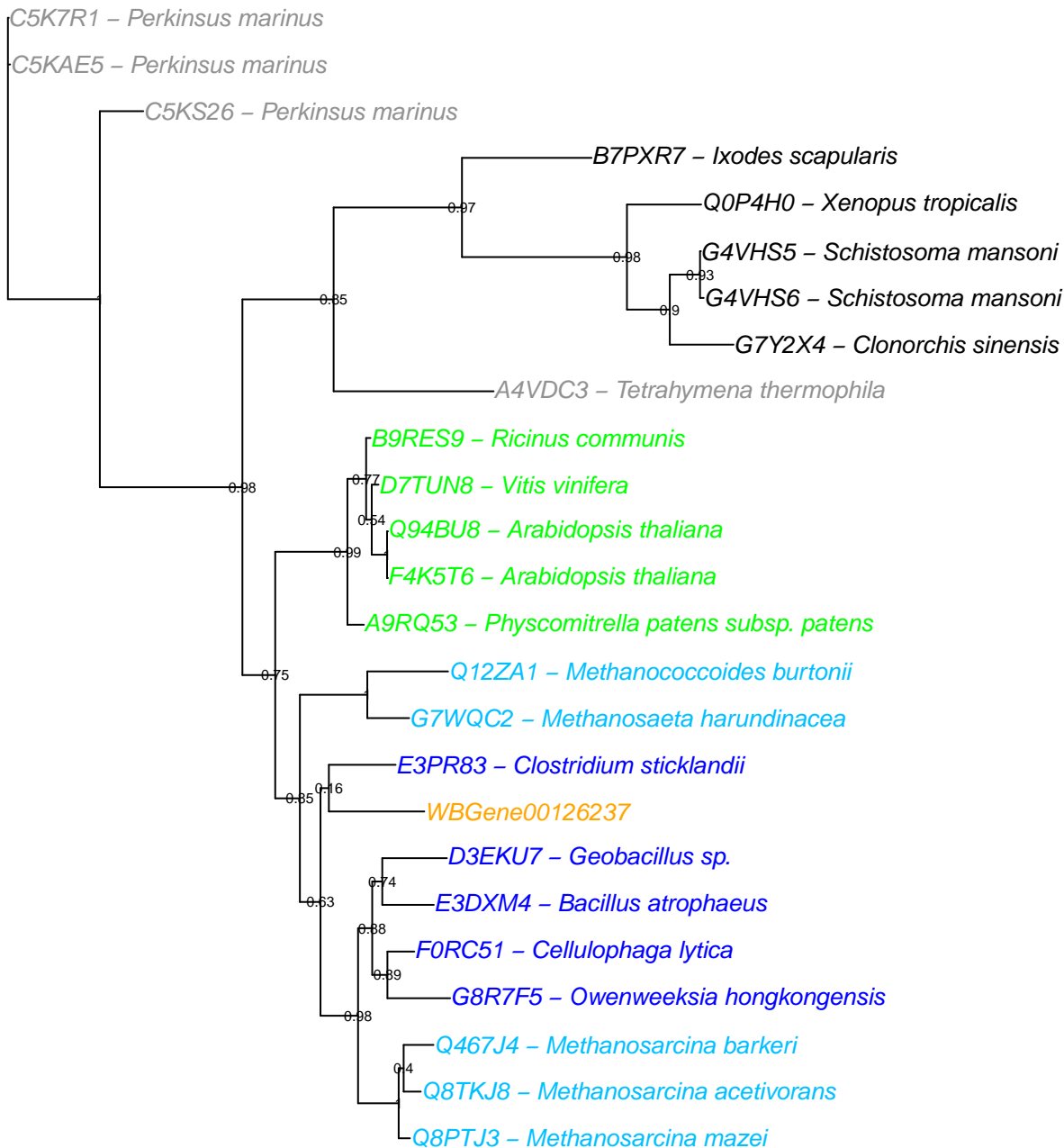
C5L7Z2 – *Perkinsus marinus*











G3NPE5 – *Gasterosteus aculeatus*

G3Q4A2 – *Gasterosteus aculeatus*

G3NQU2 – *Gasterosteus aculeatus*

G7YD18 – *Clonorchis sinensis*

A7NJF6 – *Roseiflexus castenholzii*

H6N3J5 – *Gordonia polyisoprenivorans*

D3Q8T0 – *Stackebrandtia nassauensis*

Q82KS4 – *Streptomyces avermitilis*

E4NBH7 – *Kitasatospora setae*

C5XAI0 – *Sorghum bicolor*

B9RRR1 – *Ricinus communis*

B3RLV7 – *Trichoplax adhaerens*

G3JG72 – *Cordyceps militaris*

G9N4D7 – *Hypocrea virens*

A9SQ94 – *Physcomitrella patens subsp. patens*

I1C588 – *Rhizopus delemar*

I1BH20 – *Rhizopus delemar*

F4P426 – *Batrachochytrium dendrobatidis*

H3GA95 – *Phytophthora ramorum*

F0YD00 – *Aureococcus anophagefferens*

D8LQU3 – *Ectocarpus siliculosus*

Q4G2T1 – *Thalassiosira pseudonana*

B7G6R1 – *Phaeodactylum tricornutum*

WBGene00126033

C1MI41 – *Micromonas pusilla*

A4S3Y3 – *Ostreococcus lucimarinus*

0.57

0.51

0.36

0.8

0.8

0.39

0.93

0.96

0.84

0.99

0.74

0.95

0.49

Q8YW13 – *Nostoc* sp.

Q3M3N3 – *Anabaena variabilis*

A4X8P9 – *Salinispora tropica*

D7E8Y5 – *Methanohalobium evestigatum*

Q5V6Y7 – *Haloarcula marismortui*

B7P688 – *Ixodes scapularis*

E0W3R3 – *Pediculus humanus* subsp. *corporis*

H9G6W9 – *Anolis carolinensis*

F7CZD8 – *Ornithorhynchus anatinus*

F6WBE0 – *Xenopus tropicalis*

Q8TI10 – *Methanosarcina acetivorans*

F6BF72 – *Methanotorris igneus*

F6BF81 – *Methanotorris igneus*

B8HTZ2 – *Cyanothece* sp.

D8TNL6 – *Volvox carteri*

A8IJ34 – *Chlamydomonas reinhardtii*

A9V6Y8 – *Monosiga brevicollis*

D8LBH5 – *Ectocarpus siliculosus*

D8LBF8 – *Ectocarpus siliculosus*

G3B516 – *Candida tenuis*

Q6BRB7 – *Debaryomyces hansenii*

G8BJ82 – *Candida parapsilosis*

A5DZE9 – *Lodderomyces elongisporus*

B9WDI5 – *Candida dubliniensis*

A4HPA5 – *Leishmania braziliensis*

J1PGJ1 – *Oryza glaberrima*

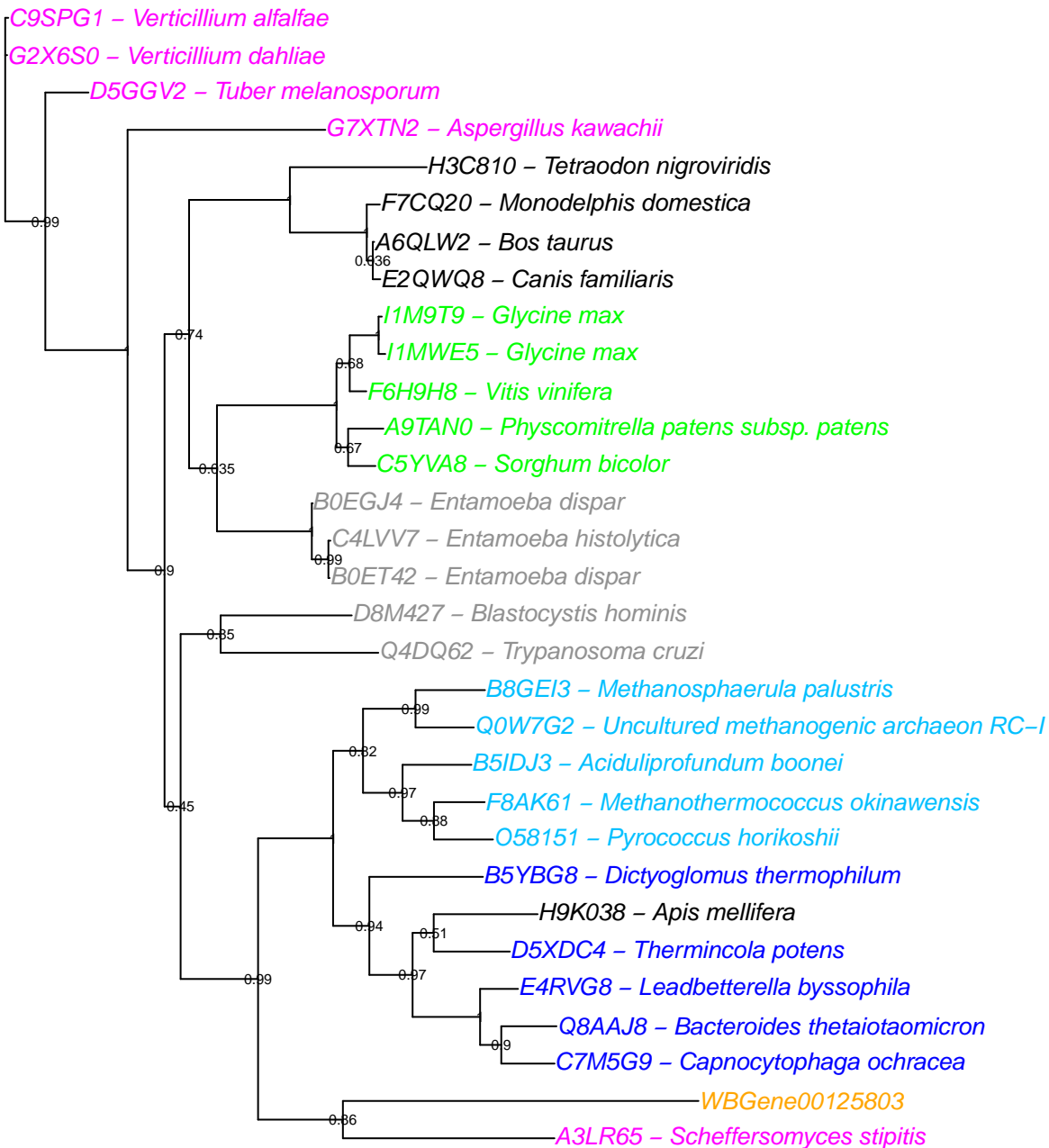
Q84M50 – *Oryza sativa* subsp. *japonica*

C7IZJ9 – *Oryza sativa* subsp. *japonica*

Q54I98 – *Dictyostelium discoideum*

WBGene00125813

Q5LR84 – *Ruegeria pomeroyi*



D6WTQ0 – *Tribolium castaneum*

D6X1G6 – *Tribolium castaneum*

G7Y5N0 – *Clonorchis sinensis*

WBGene00125725

C5LAE4 – *Perkinsus marinus*

C5KRL1 – *Perkinsus marinus*

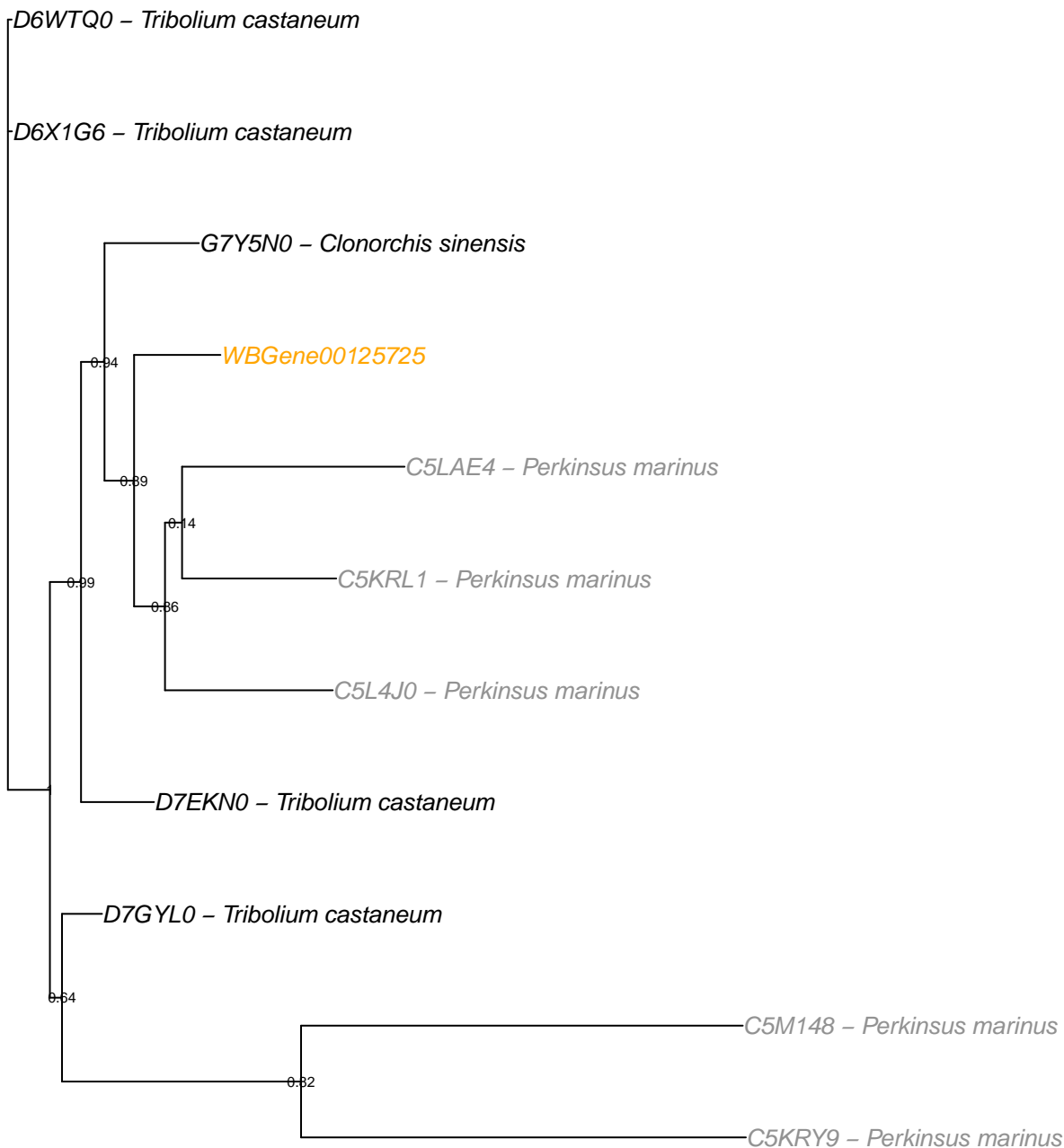
C5L4J0 – *Perkinsus marinus*

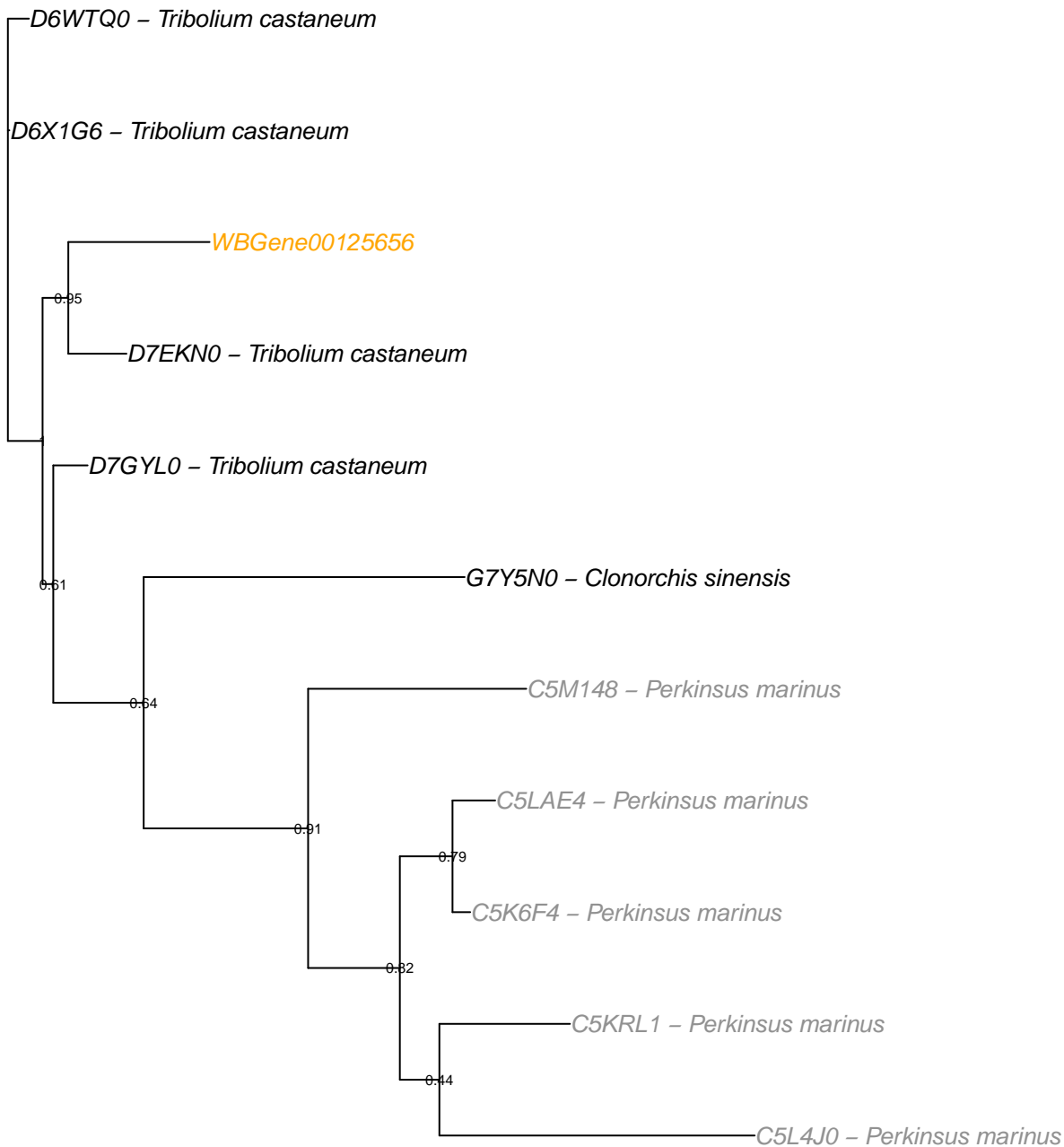
D7EKN0 – *Tribolium castaneum*

D7GYL0 – *Tribolium castaneum*

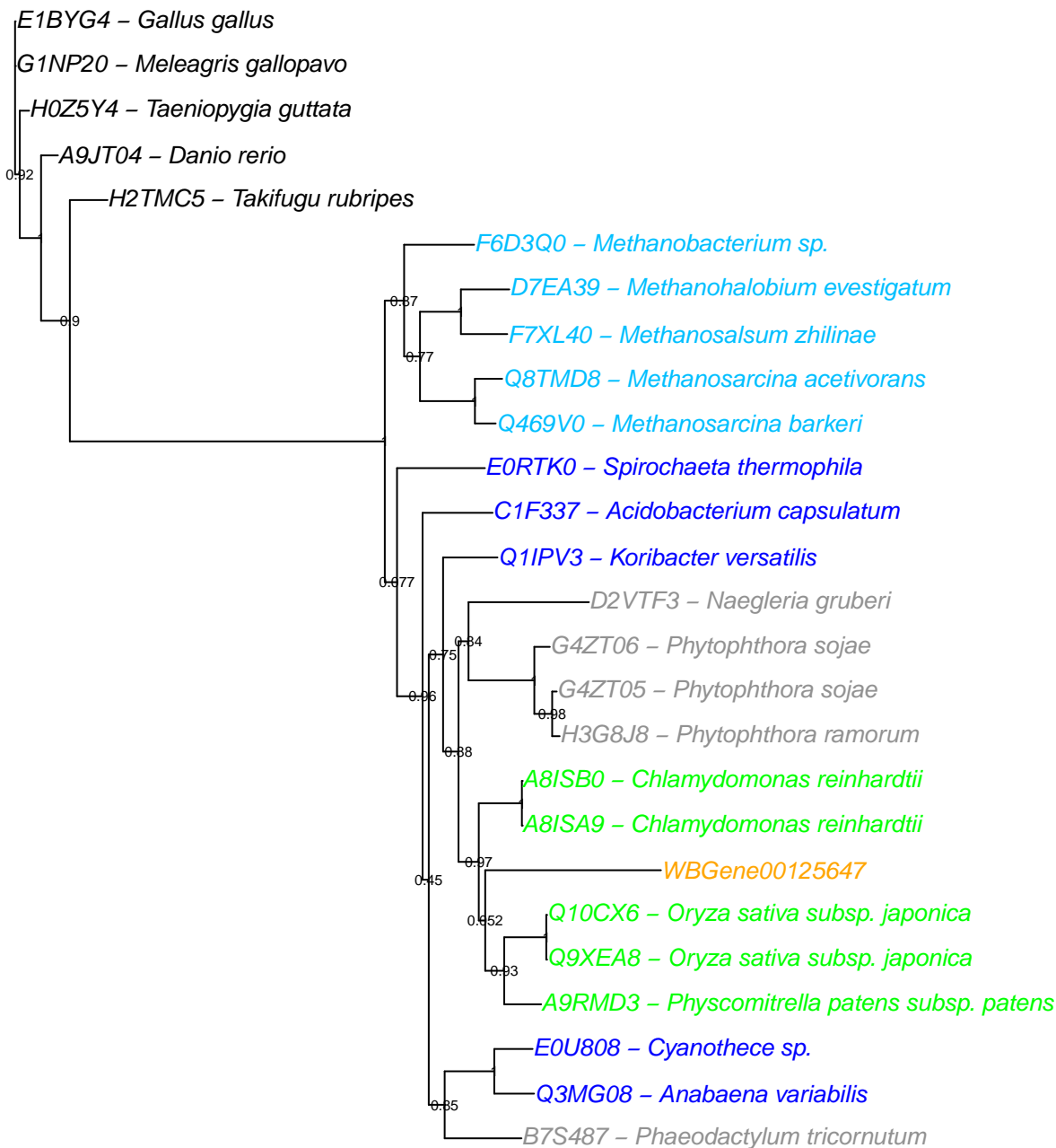
C5M148 – *Perkinsus marinus*

C5KRY9 – *Perkinsus marinus*









*E0R9S7 – Paenibacillus polymyxa*

*E0RIM7 – Paenibacillus polymyxa*

*Q5L3N6 – Geobacillus kaustophilus*

*WBGene00125417*

*C0ZBG4 – Brevibacillus brevis*

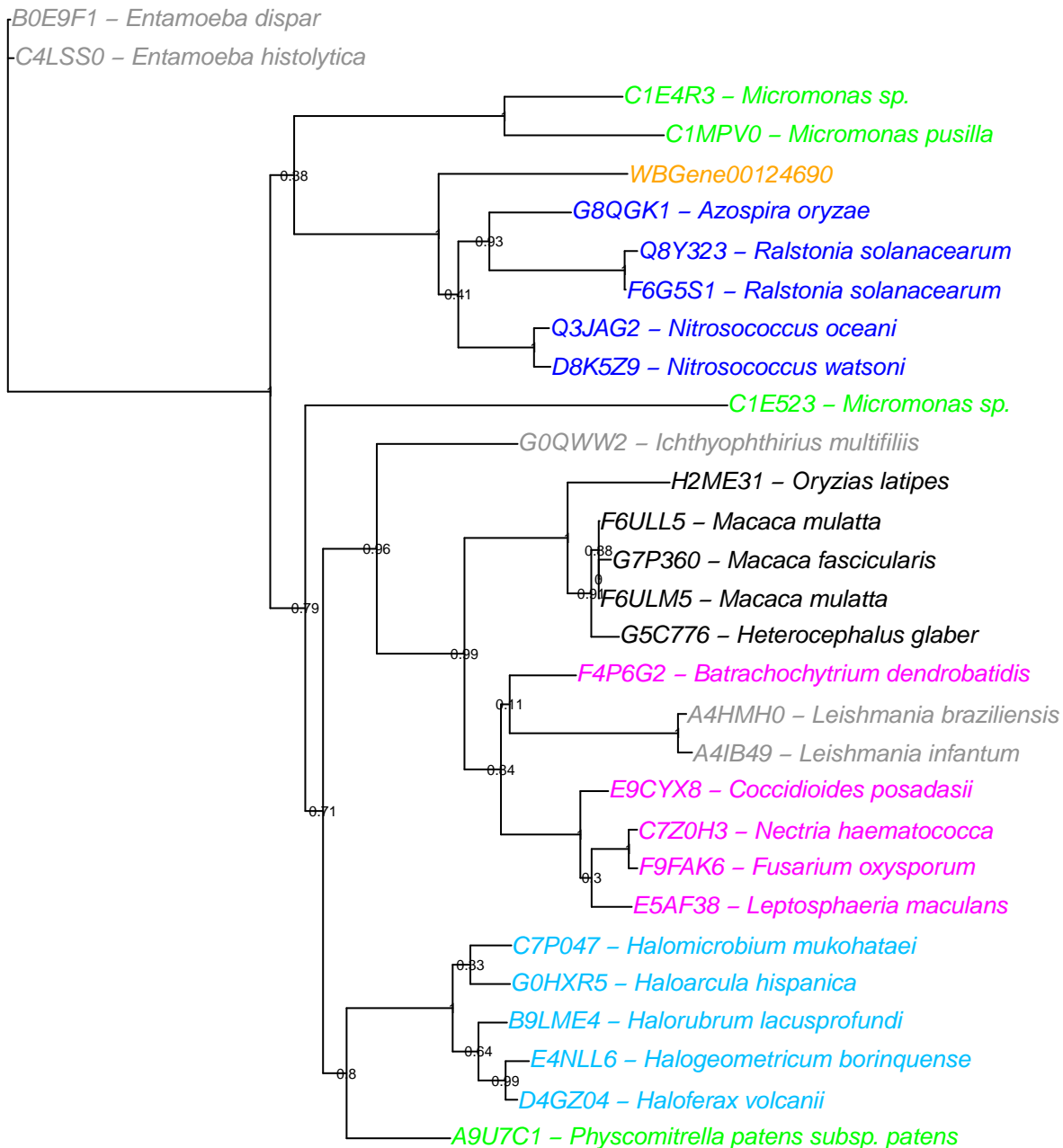
*C0ZCM5 – Brevibacillus brevis*

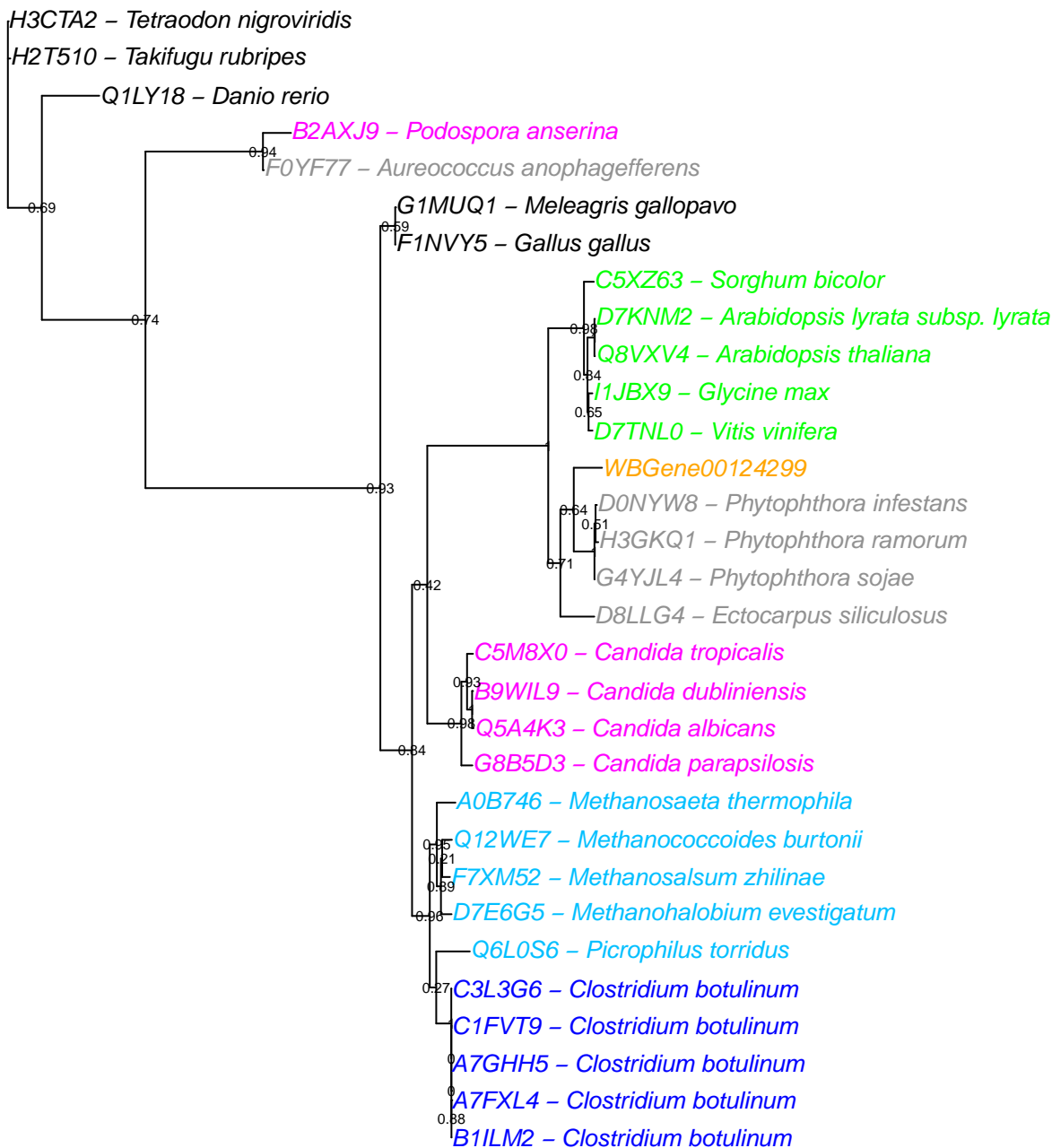
*H9K556 – Apis mellifera*

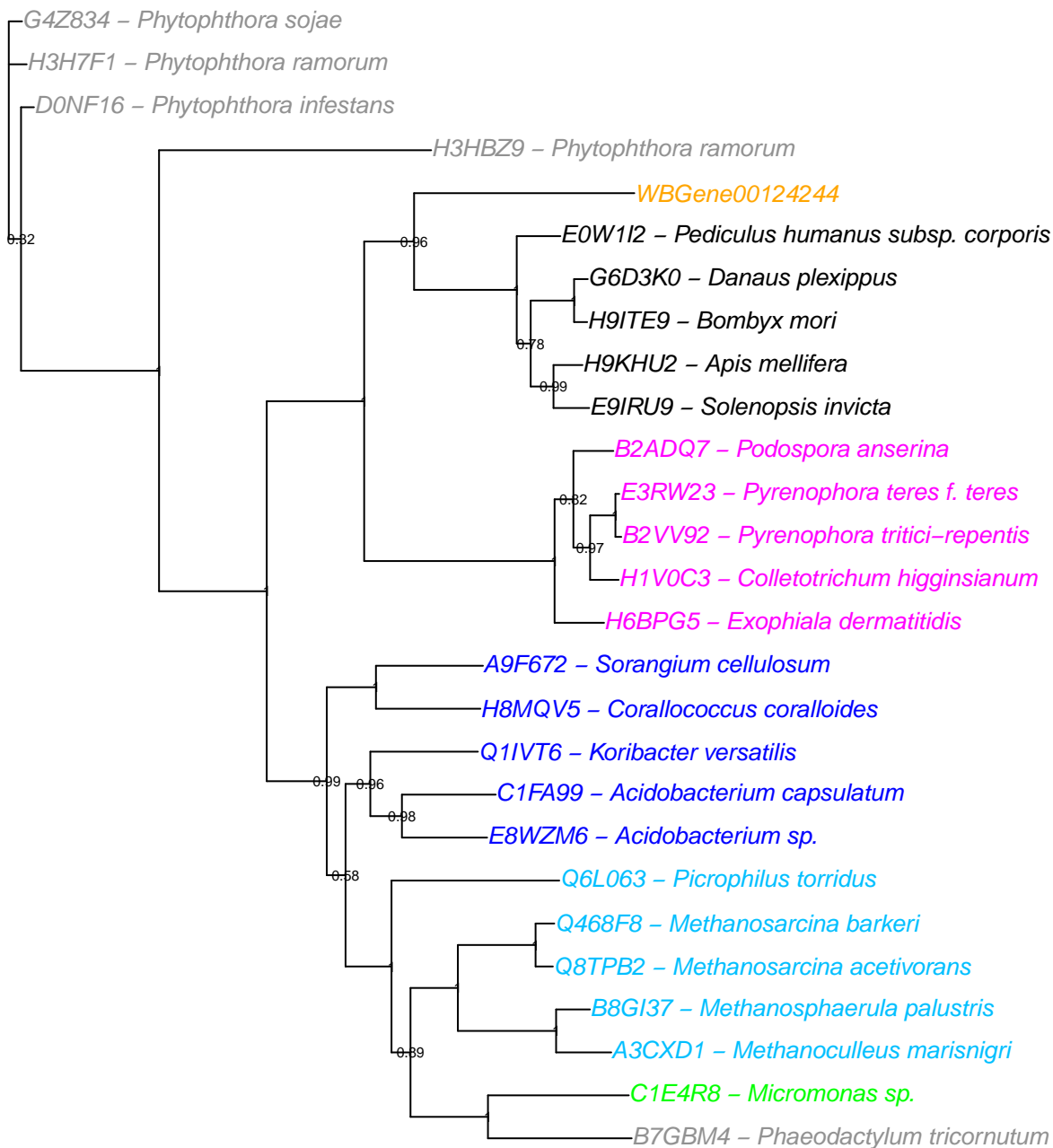
0.97

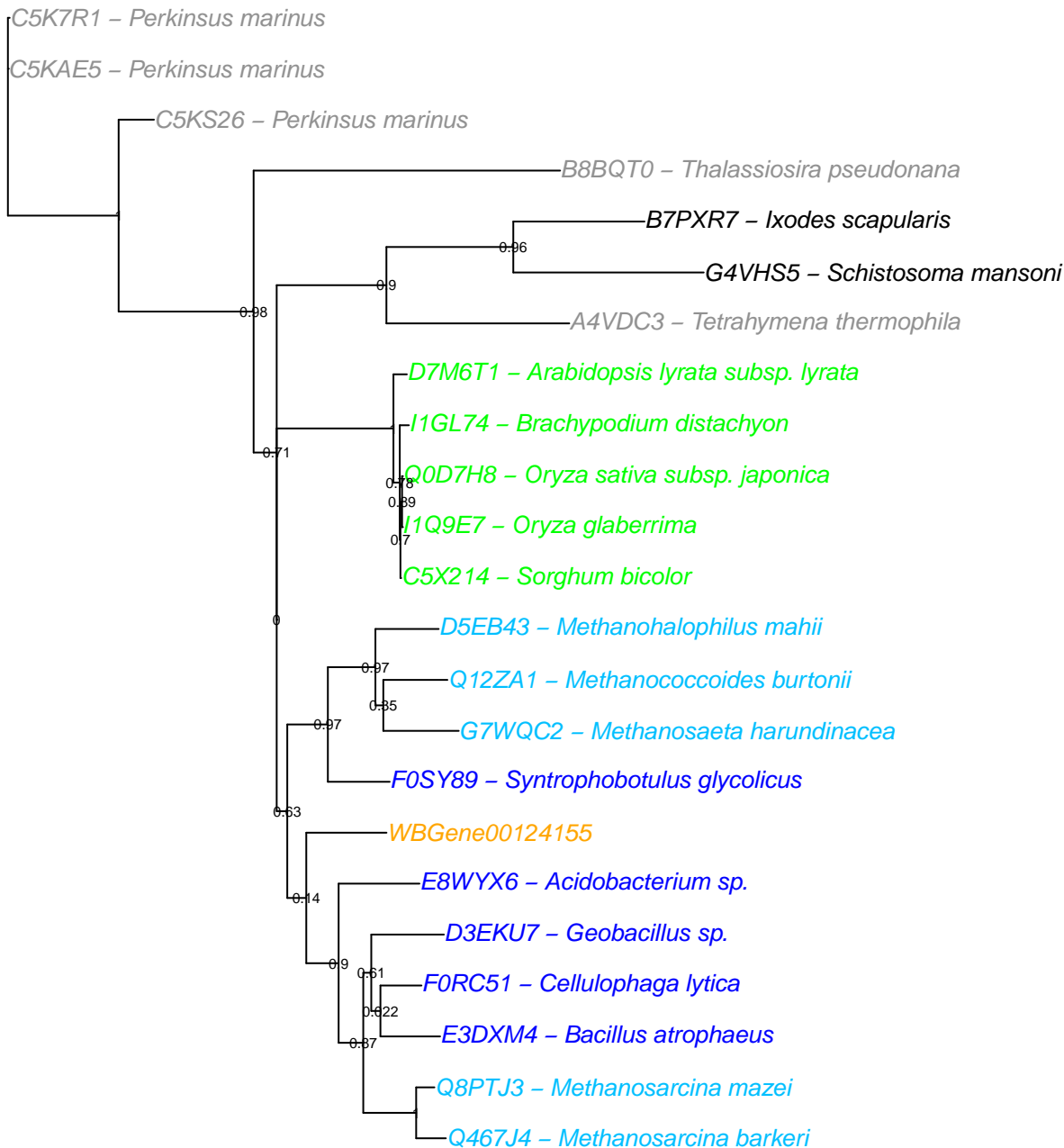
0.88

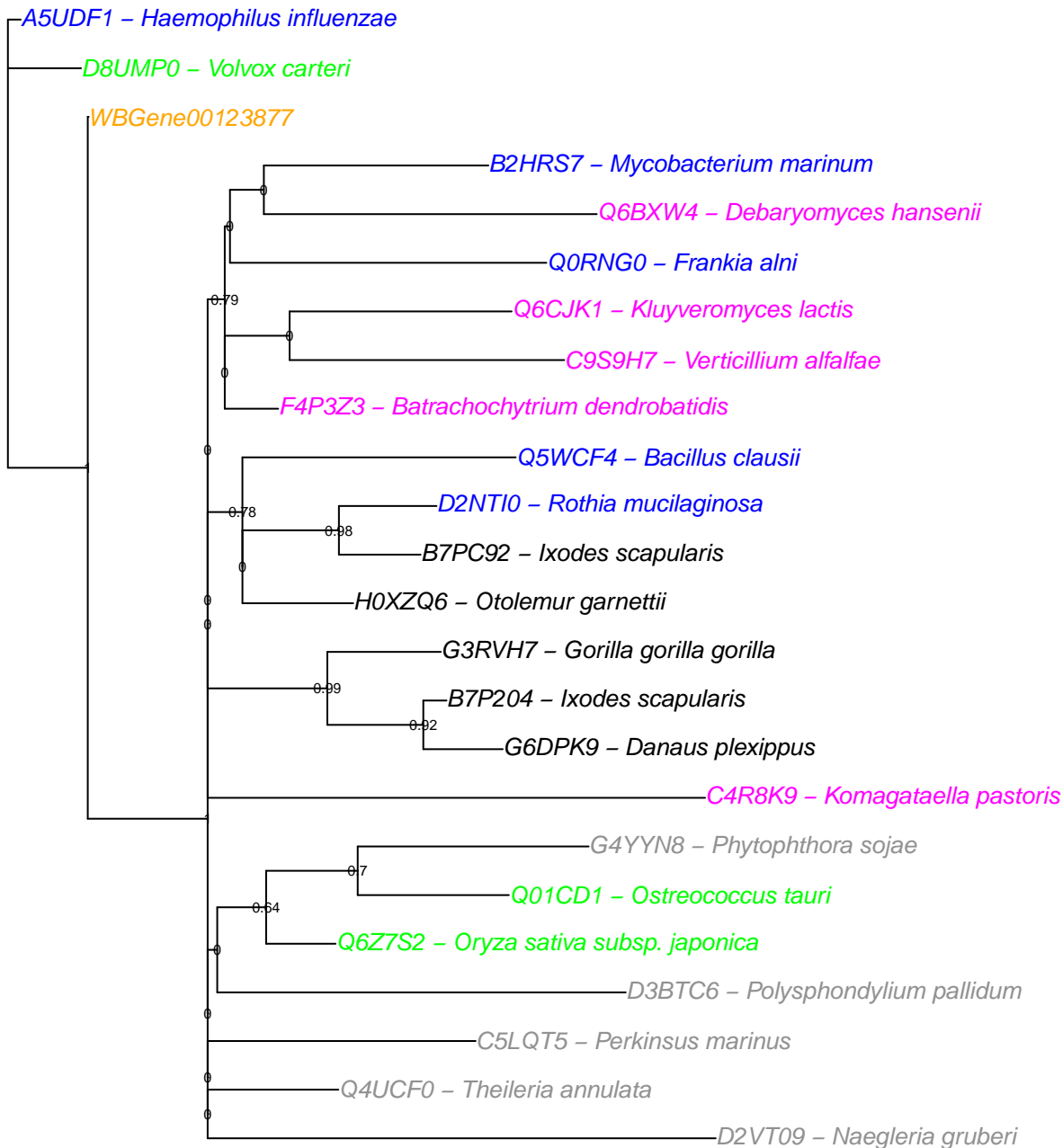
0.9

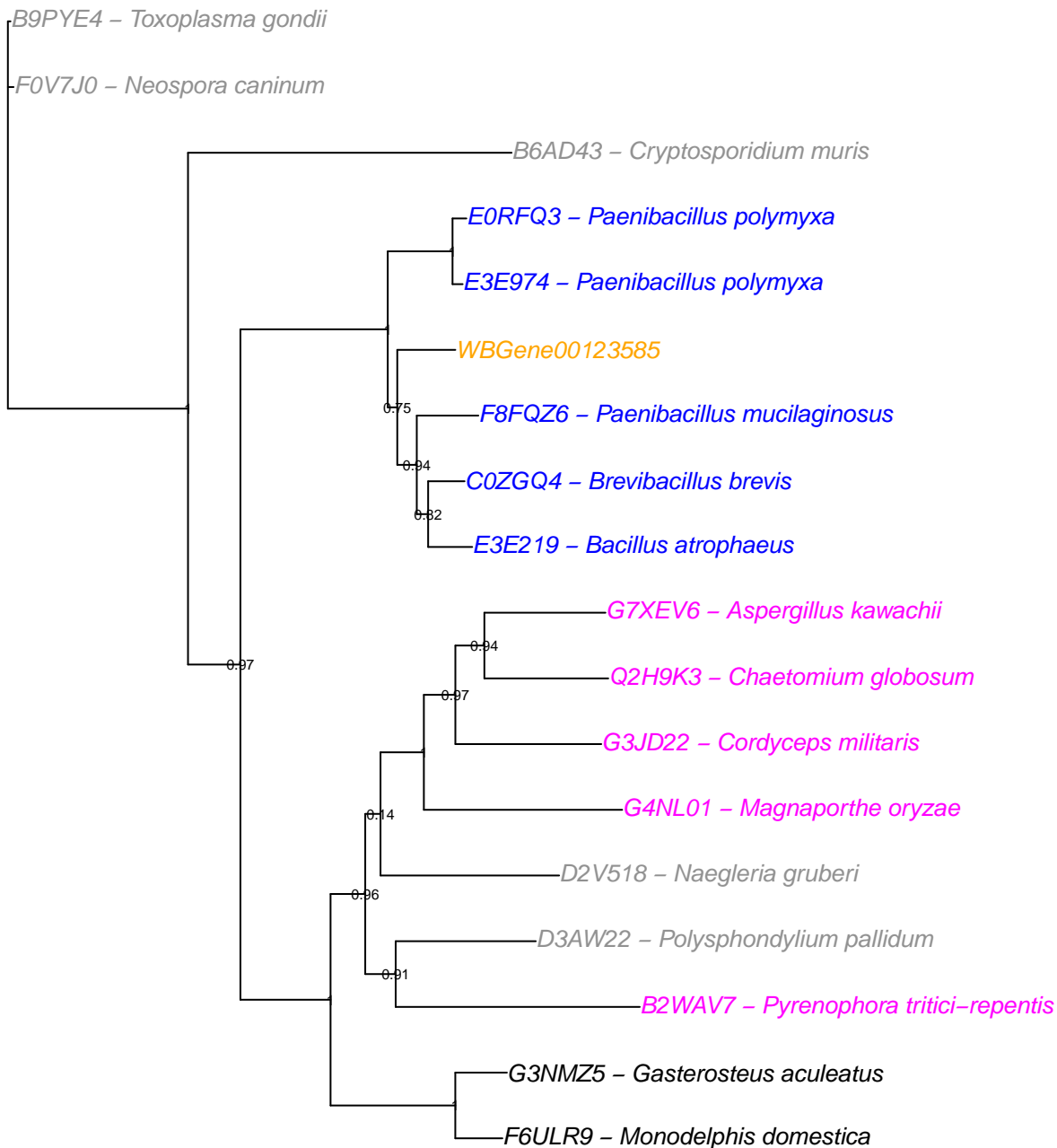






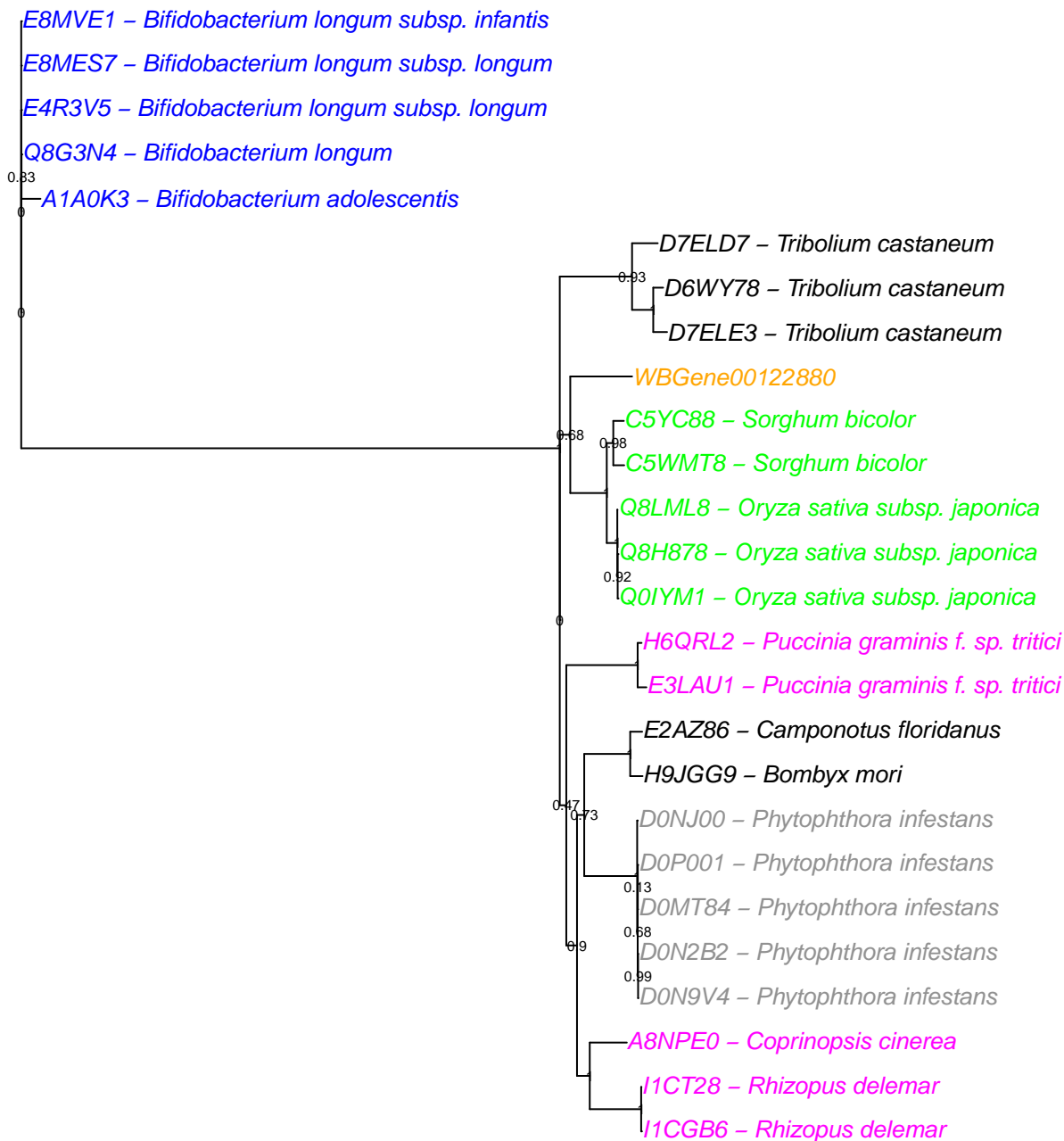


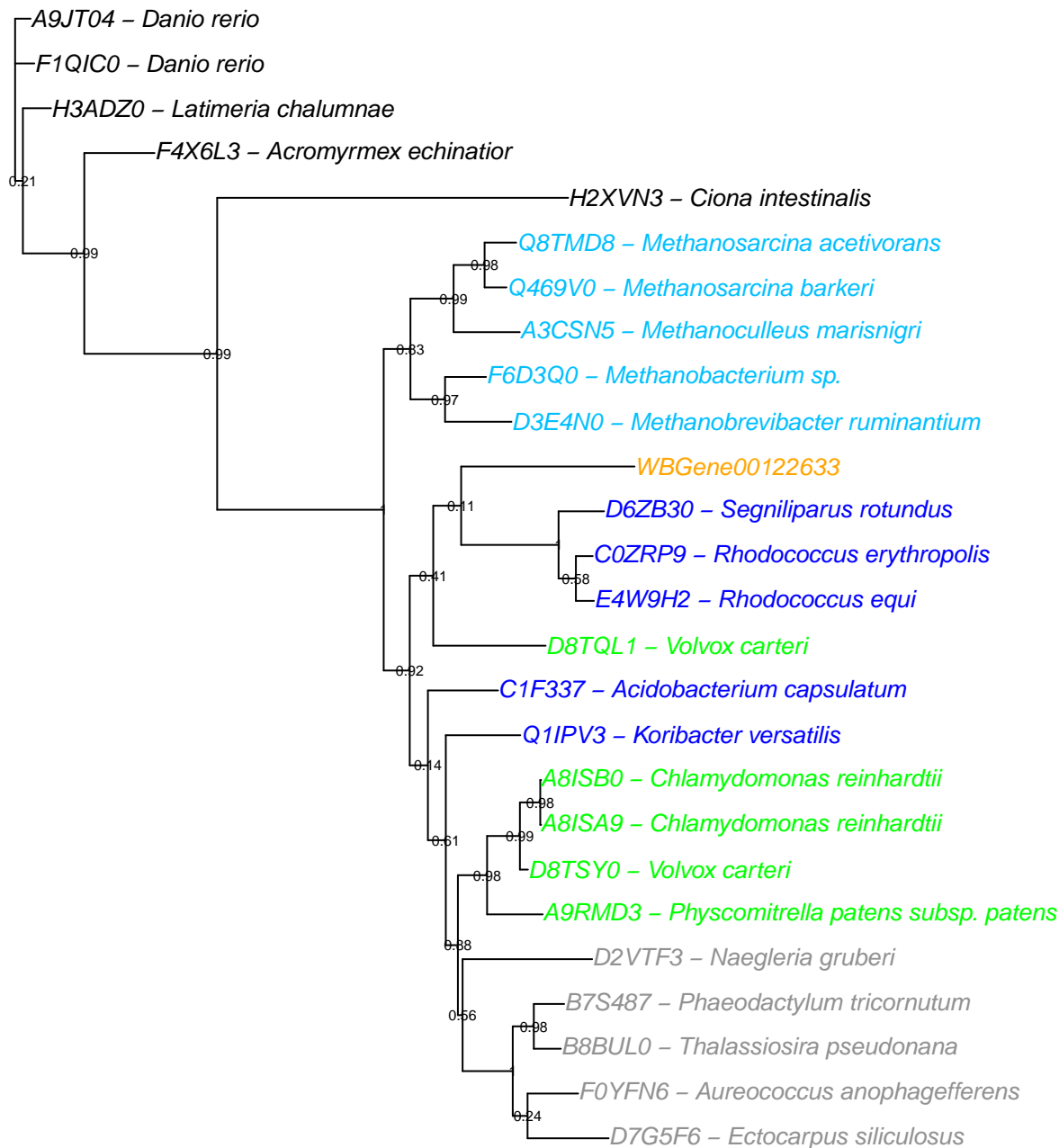


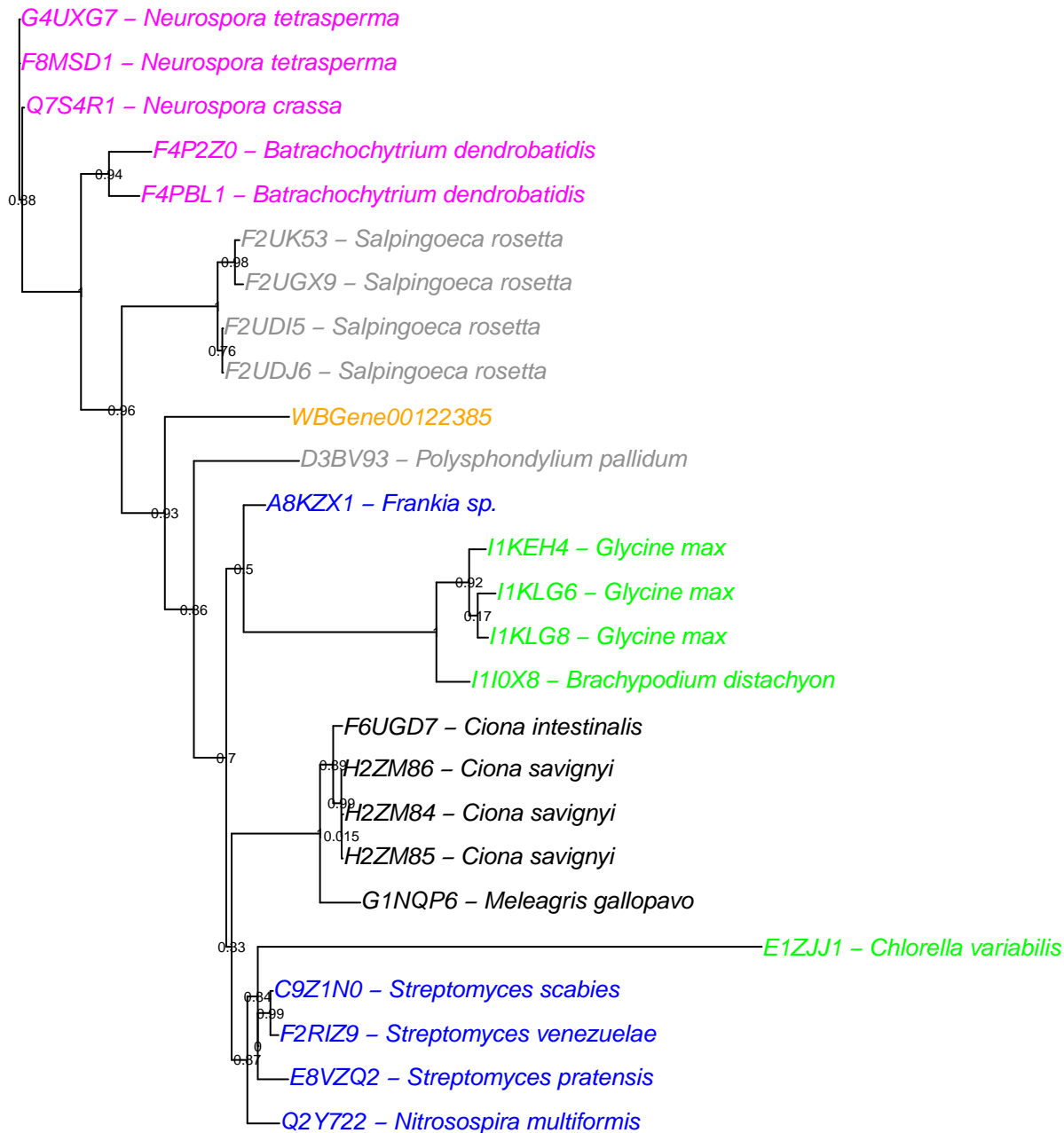


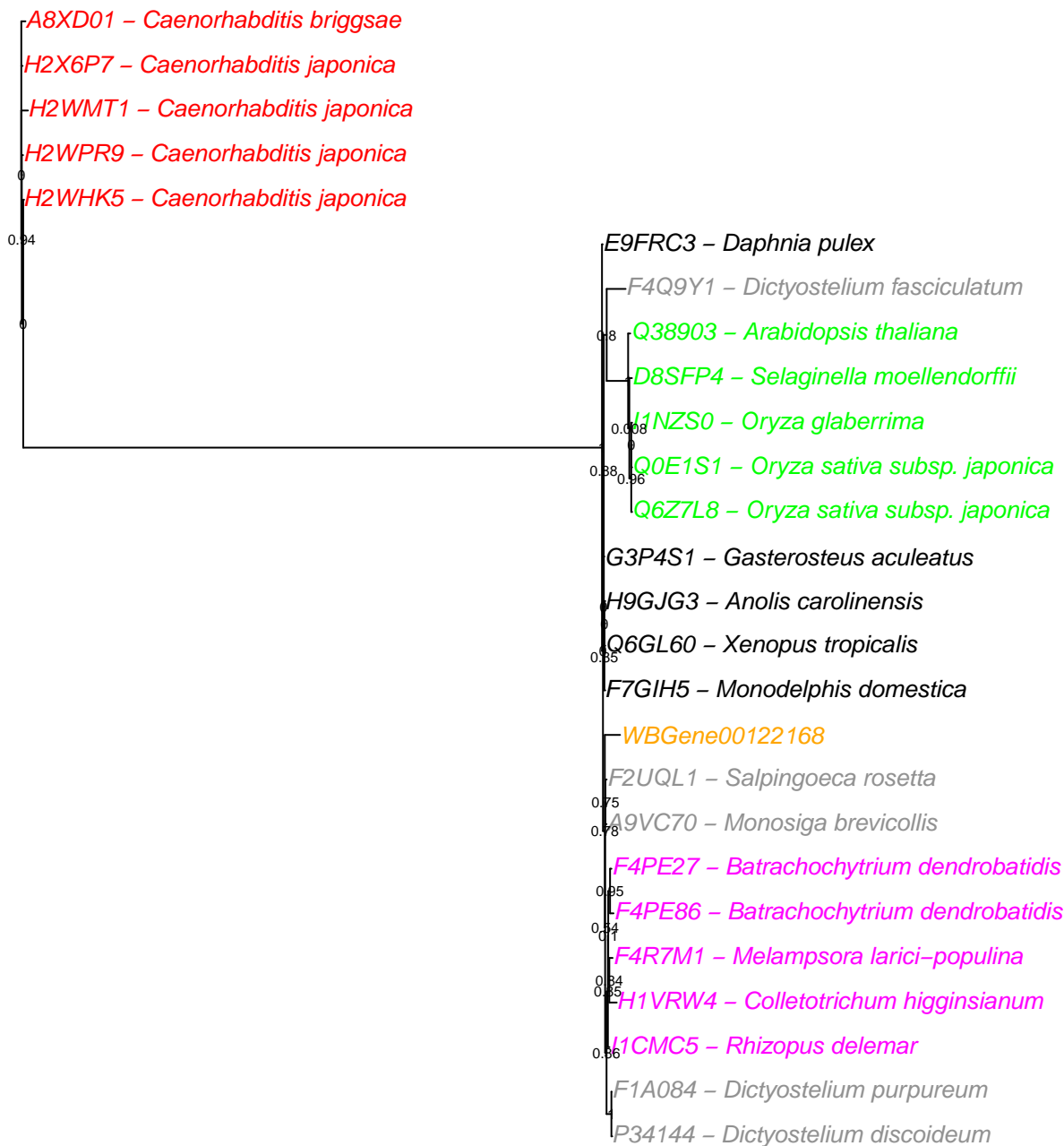


-WBGene00123508









D8QQK2 – *Selaginella moellendorffii*

D8R8C8 – *Selaginella moellendorffii*

G0S166 – *Chaetomium thermophilum*

F7VV16 – *Sordaria macrospora*

0.95  
G4U937 – *Neurospora tetrasperma*

0.89  
F4P4B0 – *Batrachochytrium dendrobatidis*

0.99  
I1BRG8 – *Rhizopus delemar*

0.96  
Q6X898 – *Chlamydomonas reinhardtii*

D8UIP0 – *Volvox carteri*

G4YPI1 – *Phytophthora sojae*

0.15  
D0N097 – *Phytophthora infestans*

0.89  
D0P3T3 – *Phytophthora infestans*

0.94  
D0N096 – *Phytophthora infestans*

H3G8X1 – *Phytophthora ramorum*

E7FDF9 – *Danio rerio*

0.14  
B0BMB1 – *Xenopus tropicalis*

0.14  
F7G2J2 – *Ornithorhynchus anatinus*

0.98  
G3VNW1 – *Sarcophilus harrisii*

0.99  
F6YC05 – *Monodelphis domestica*

0.31

Q4J6V4 – *Sulfolobus acidocaldarius*

0.62  
Q97YI8 – *Sulfolobus solfataricus*

0.99  
C3NK81 – *Sulfolobus islandicus*

0.93  
F0NJJ1 – *Sulfolobus islandicus*

0  
C4KF85 – *Sulfolobus islandicus*

E1Z1Z7 – *Chlorella variabilis*

A5VRY0 – *Brucella ovis*

Q2YQA0 – *Brucella abortus*

0.75  
B2S765 – *Brucella abortus*

0.99  
Q57BR0 – *Brucella abortus biovar 1*

B0CI90 – *Brucella suis*

WBGene00121875

0.97  
E3LL32 – *Caenorhabditis remanei*

0.14  
G0NEI3 – *Caenorhabditis brenneri*

0.26  
Q10663 – *Caenorhabditis elegans*

0.92  
Q8IA71 – *Caenorhabditis elegans*

A8X1Z9 – *Caenorhabditis briggsae*

