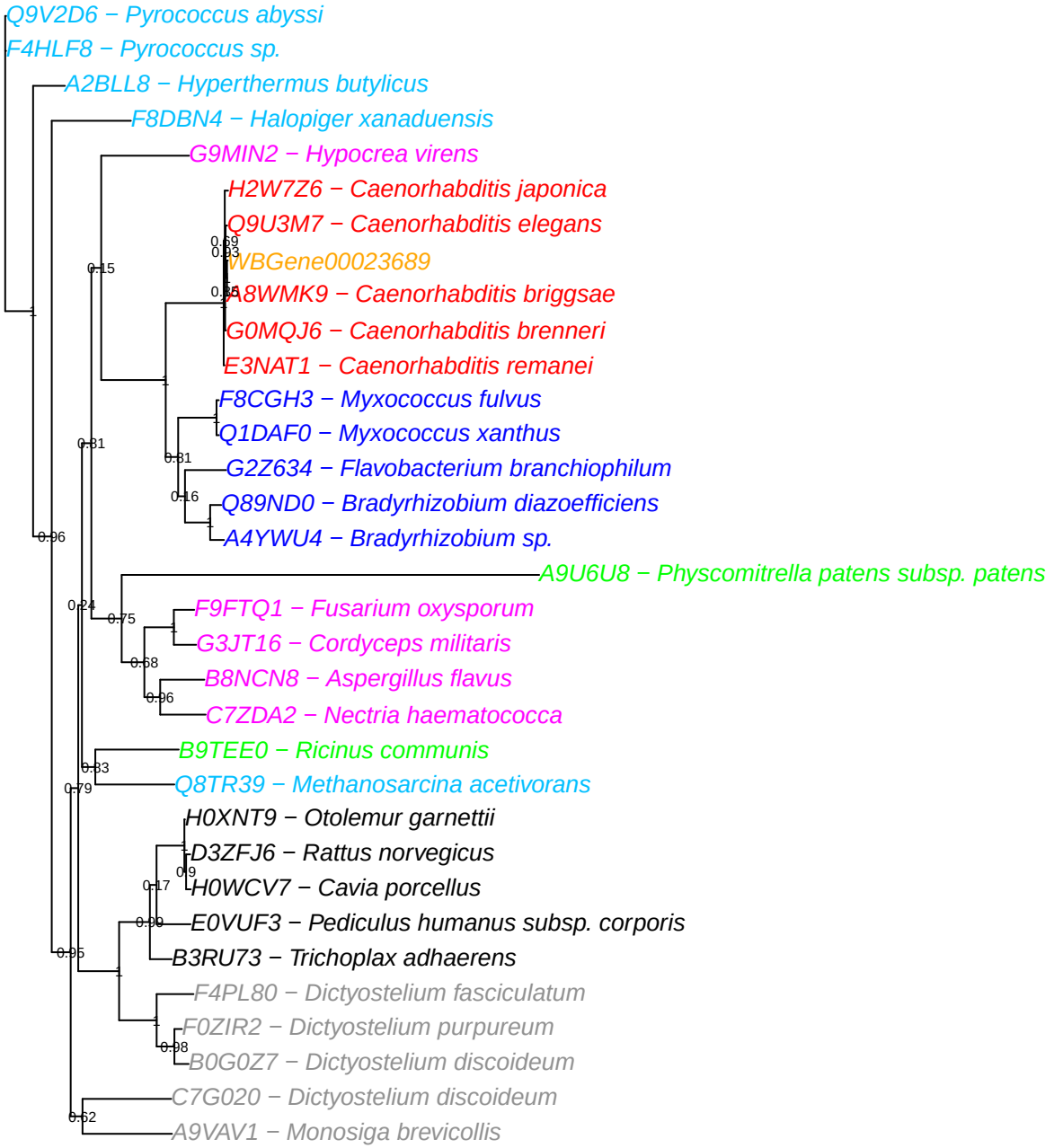
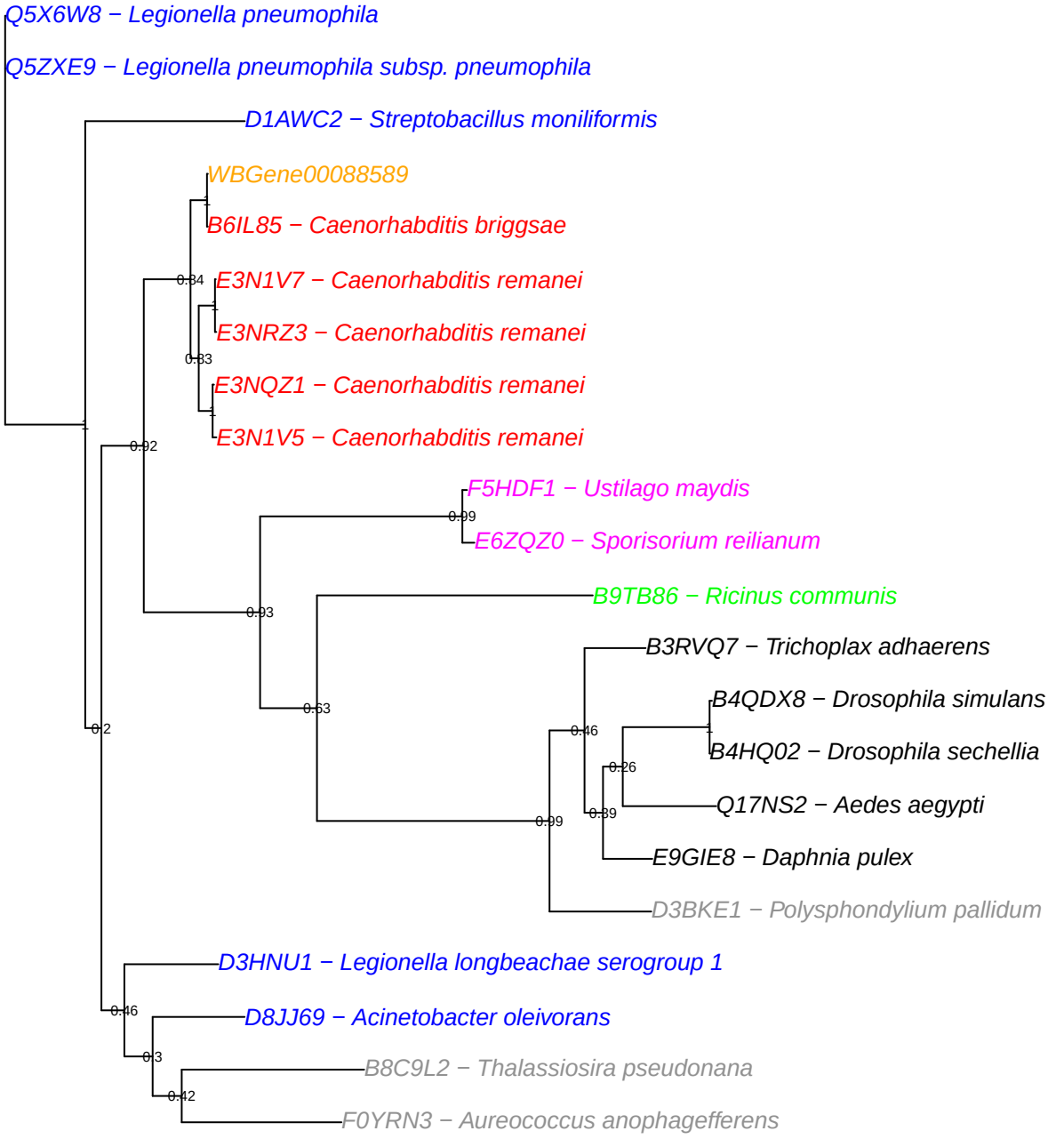
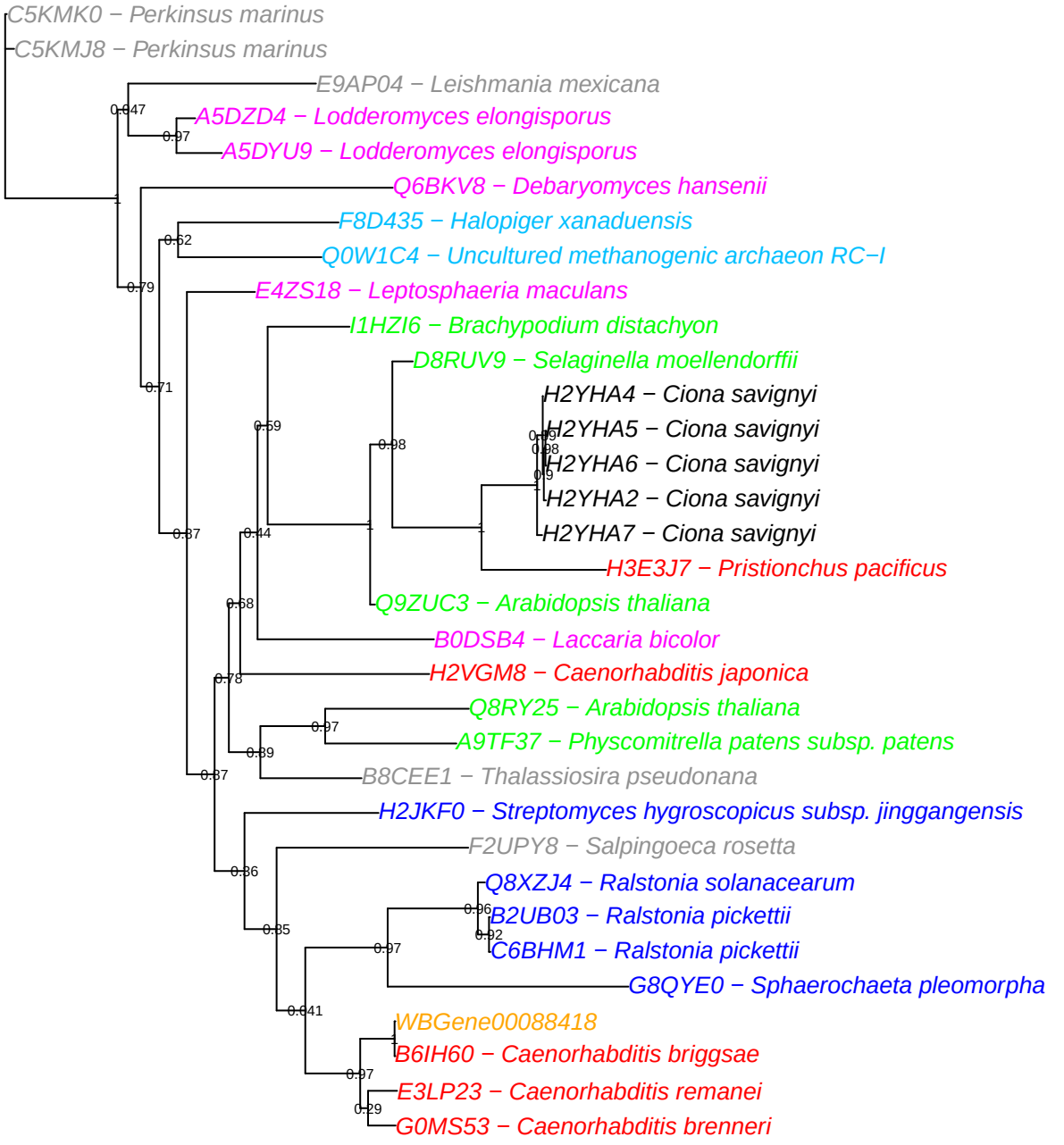
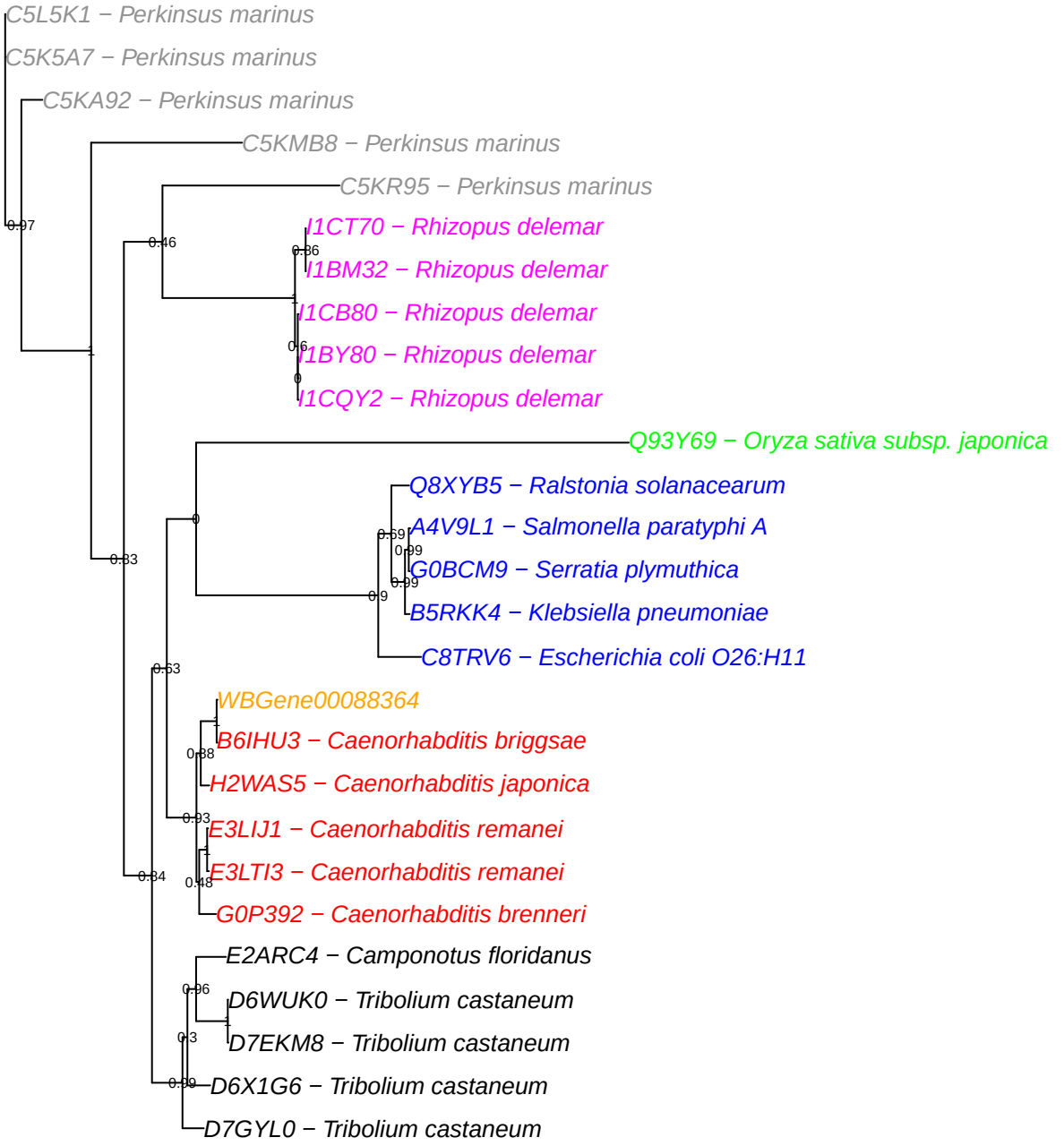
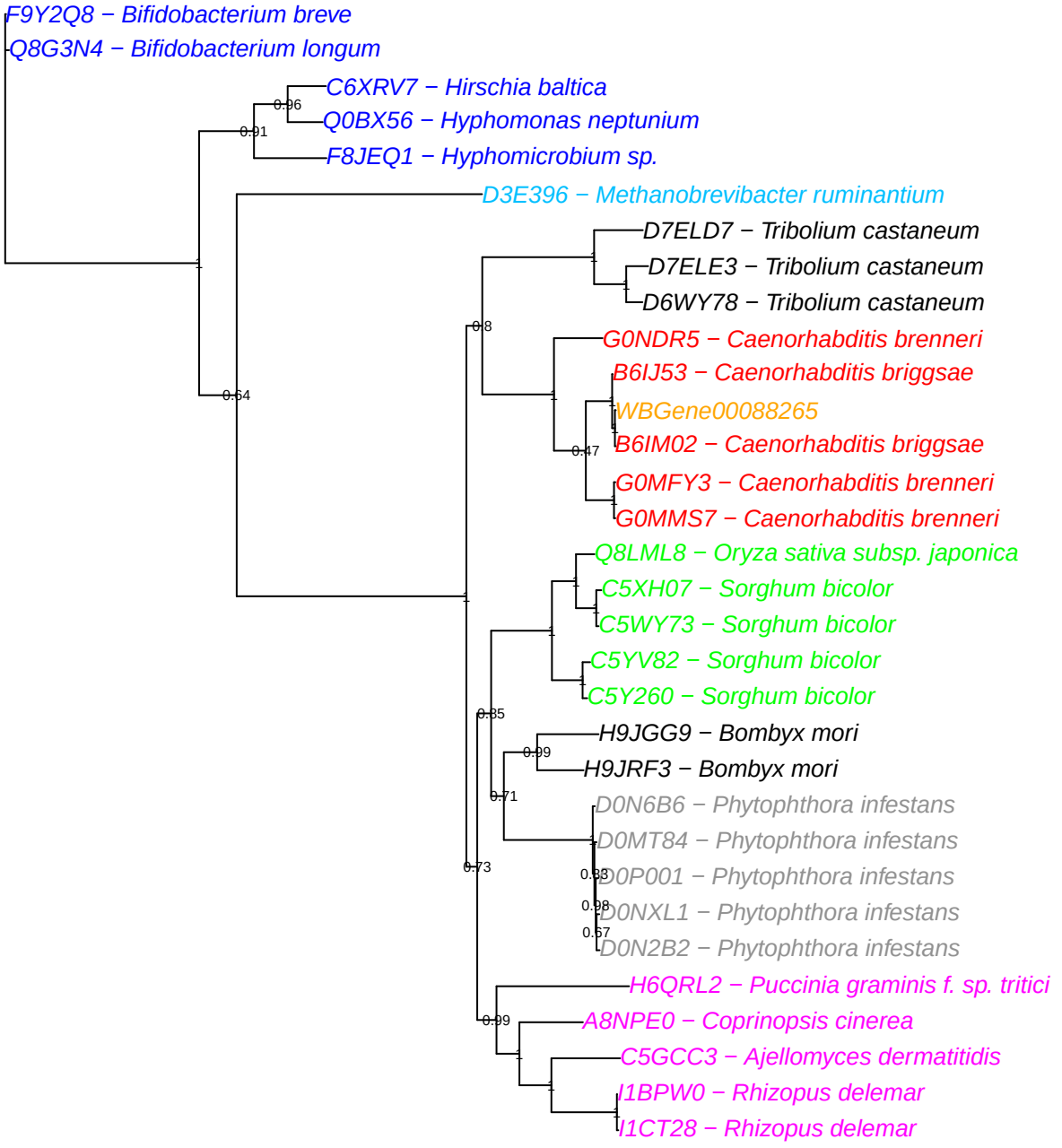
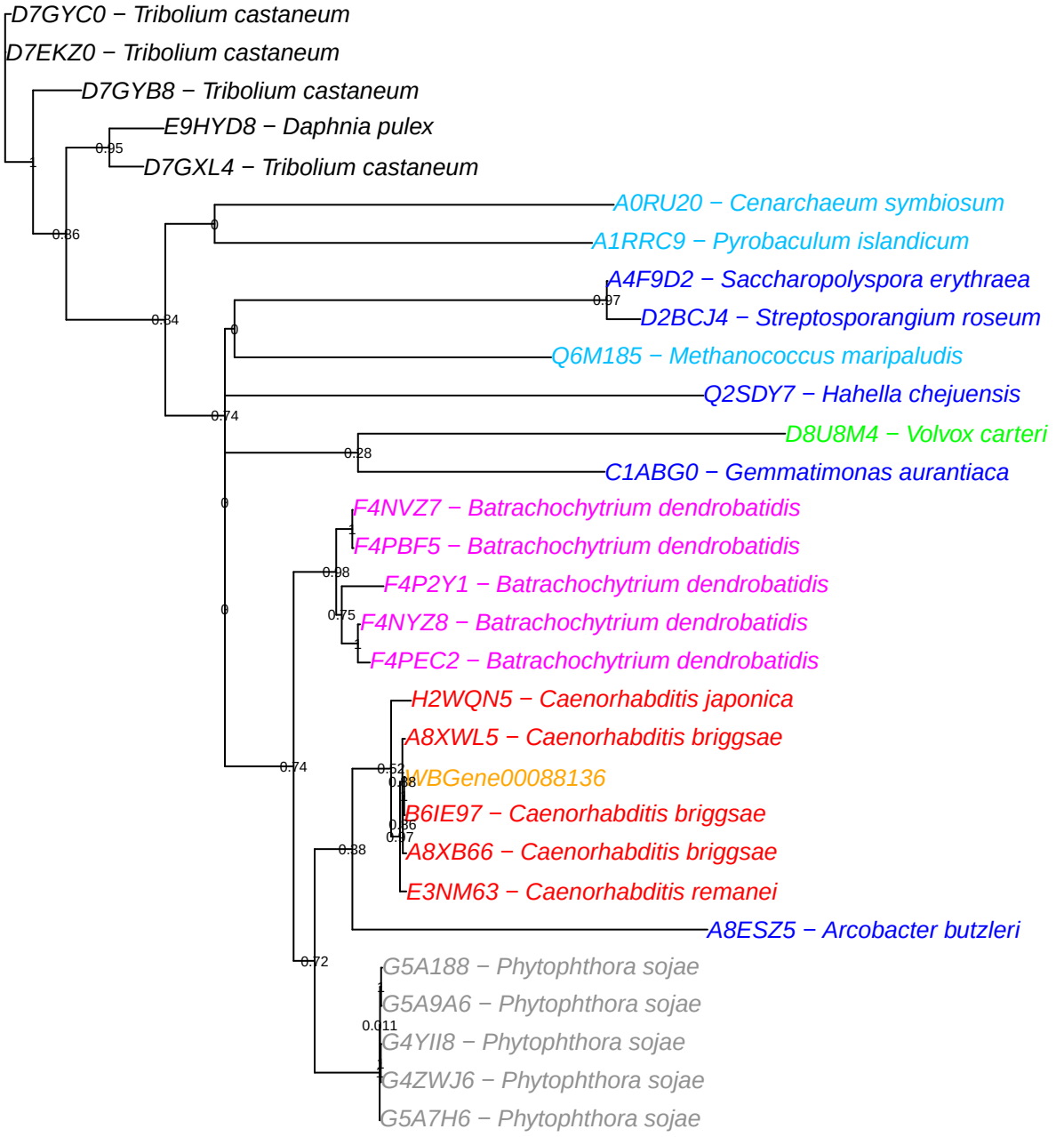

Q9V2D6 − Pyrococcus abyssi
F4HLF8 − Pyrococcus sp.
A2BLL8 − Hyperthermus butylicus
F8DBN4 − Halopiger xanaduensis
G9MIN2 − Hypocrea virens
H2W7Z6 − Caenorhabditis japonica
Q9U3M7 − Caenorhabditis elegans
WBGene00023689
A8WMK9 − Caenorhabditis briggsae
G0MQJ6 − Caenorhabditis brenneri
E3NAT1 − Caenorhabditis remanei
F8CGH3 − Myxococcus fulvus
Q1DAF0 − Myxococcus xanthus
G2Z634 − Flavobacterium branchiophilum
Q89ND0 − Bradyrhizobium diazoefficiens
A4YWU4 − Bradyrhizobium sp.
A9U6U8 − Physcomitrella patens subsp. patens
F9FTQ1 − Fusarium oxysporum
G3JT16 − Cordyceps militaris
B8NCN8 − Aspergillus flavus
C7ZDA2 − Nectria haematococca
B9TEE0 − Ricinus communis
Q8TR39 − Methanosarcina acetivorans
H0XNT9 − Otolemur garnettii
D3ZFJ6 − Rattus norvegicus
H0WCV7 − Cavia porcellus
E0VUF3 − Pediculus humanus subsp. corporis
B3RU73 − Trichoplax adhaerens
F4PL80 − Dictyostelium fasciculatum
F0ZIR2 − Dictyostelium purpureum
B0G0Z7 − Dictyostelium discoideum
C7G020 − Dictyostelium discoideum
A9VAV1 − Monosiga brevicollis

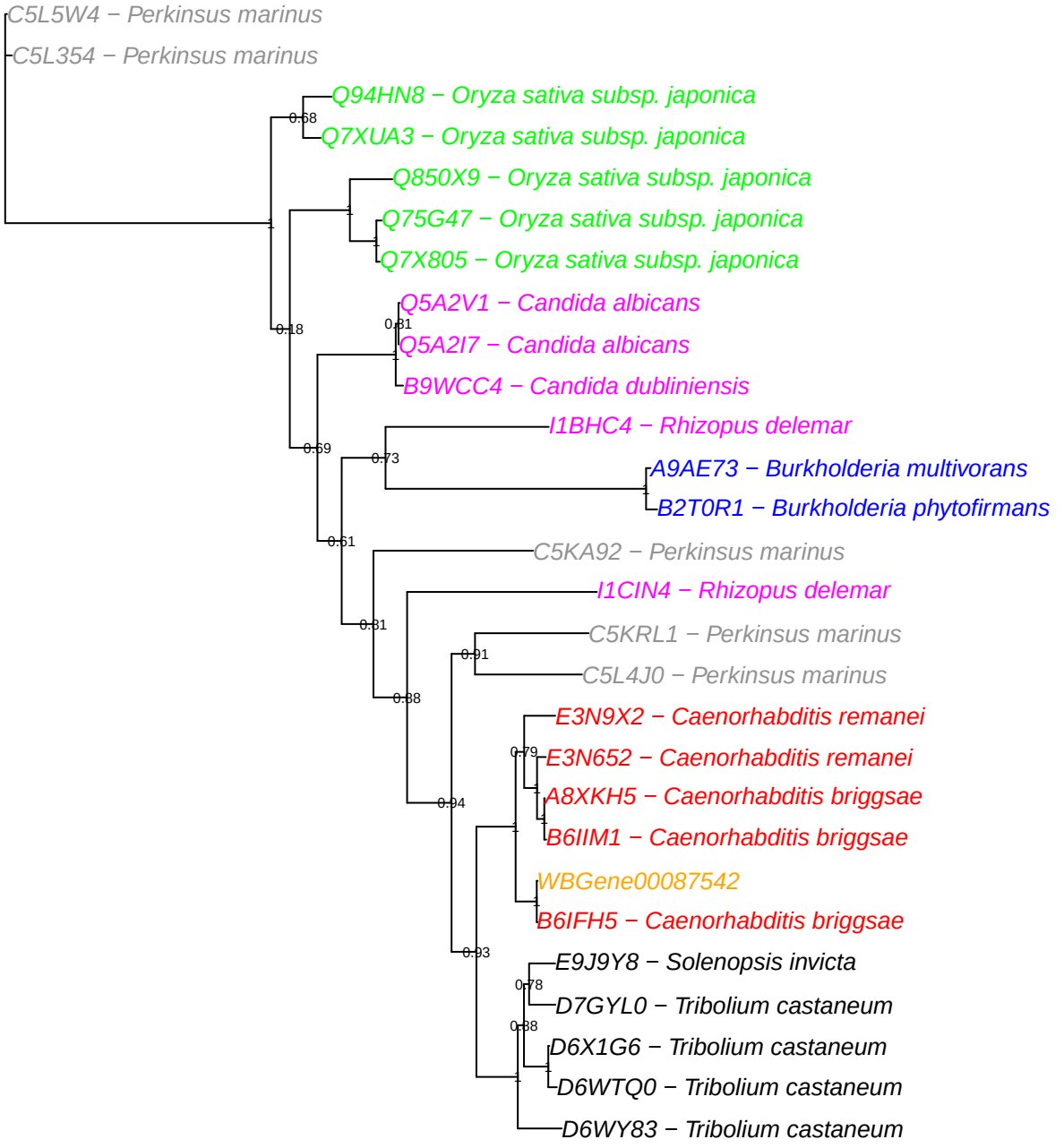

Q5X6W8 − Legionella pneumophila
Q5ZXE9 − Legionella pneumophila subsp. pneumophila
D1AWC2 − Streptobacillus moniliformis
WBGene00088589
B6IL85 − Caenorhabditis briggsae
E3N1V7 − Caenorhabditis remanei
E3NRZ3 − Caenorhabditis remanei
E3NQZ1 − Caenorhabditis remanei
E3N1V5 − Caenorhabditis remanei
F5HDF1 − Ustilago maydis
E6ZQZ0 − Sporisorium reilianum
B9TB86 − Ricinus communis
B3RVQ7 − Trichoplax adhaerens
B4QDX8 − Drosophila simulans
B4HQ02 − Drosophila sechellia
Q17NS2 − Aedes aegypti
E9GIE8 − Daphnia pulex
D3BKE1 − Polysphondylium pallidum
D3HNU1 − Legionella longbeachae serogroup 1
D8JJ69 − Acinetobacter oleivorans
B8C9L2 − Thalassiosira pseudonana
F0YRN3 − Aureococcus anophagefferens
0.84
0.83
0.92
0.99
0.93
0.63
0.2
0.46
0.26
0.89
0.99
0.46
0.3
0.42

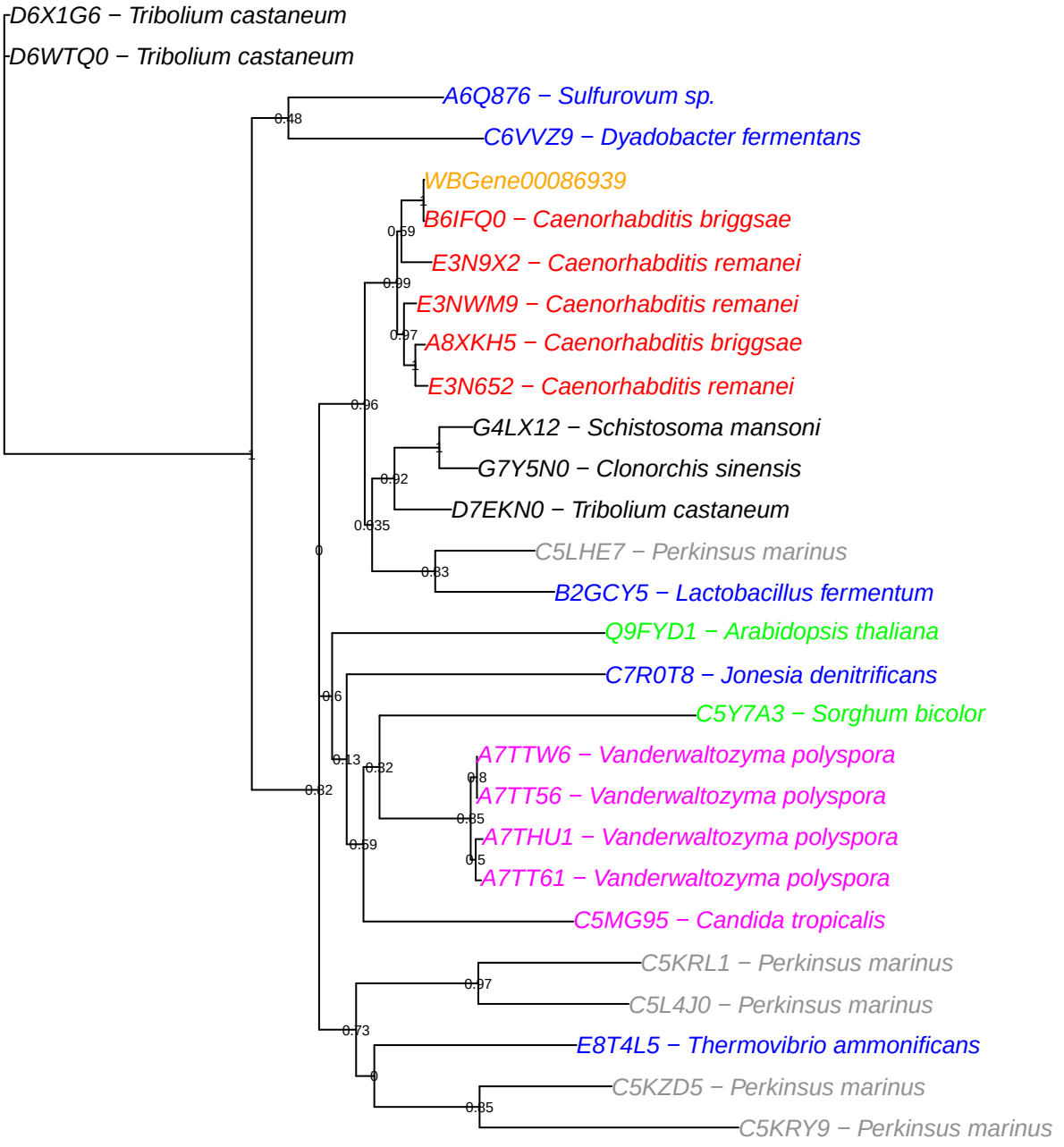

C5KMK0 − Perkinsus marinus
C5KMJ8 − Perkinsus marinus
E9AP04 − Leishmania mexicana
A5DZD4 − Lodderomyces elongisporus
A5DYU9 − Lodderomyces elongisporus
Q6BKV8 − Debaryomyces hansenii
F8D435 − Halopiger xanaduensis
Q0W1C4 − Uncultured methanogenic archaeon RC−I
E4ZS18 − Leptosphaeria maculans
I1HZI6 − Brachypodium distachyon
D8RUV9 − Selaginella moellendorffii
H2YHA4 − Ciona savignyi
H2YHA5 − Ciona savignyi
H2YHA6 − Ciona savignyi
H2YHA2 − Ciona savignyi
H2YHA7 − Ciona savignyi
H3E3J7 − Pristionchus pacificus
Q9ZUC3 − Arabidopsis thaliana
B0DSB4 − Laccaria bicolor
H2VGM8 − Caenorhabditis japonica
Q8RY25 − Arabidopsis thaliana
A9TF37 − Physcomitrella patens subsp. patens
B8CEE1 − Thalassiosira pseudonana
H2JKF0 − Streptomyces hygroscopicus subsp. jinggangensis
F2UPY8 − Salpingoeca rosetta
Q8XZJ4 − Ralstonia solanacearum
B2UB03 − Ralstonia pickettii
C6BHM1 − Ralstonia pickettii
G8QYE0 − Sphaerochaeta pleomorpha
WBGene00088418
B6IH60 − Caenorhabditis briggsae
E3LP23 − Caenorhabditis remanei
G0MS53 − Caenorhabditis brenneri
0.647
0.97
1
0.62
0.79
0.71
0.59
0.98
0.99
0.98
0.9
1
1
1
0.87
0.44
0.68
0.78
0.97
0.89
0.87
0.86
0.85
0.96
0.92
0.97
0.641
1
0.97
0.29

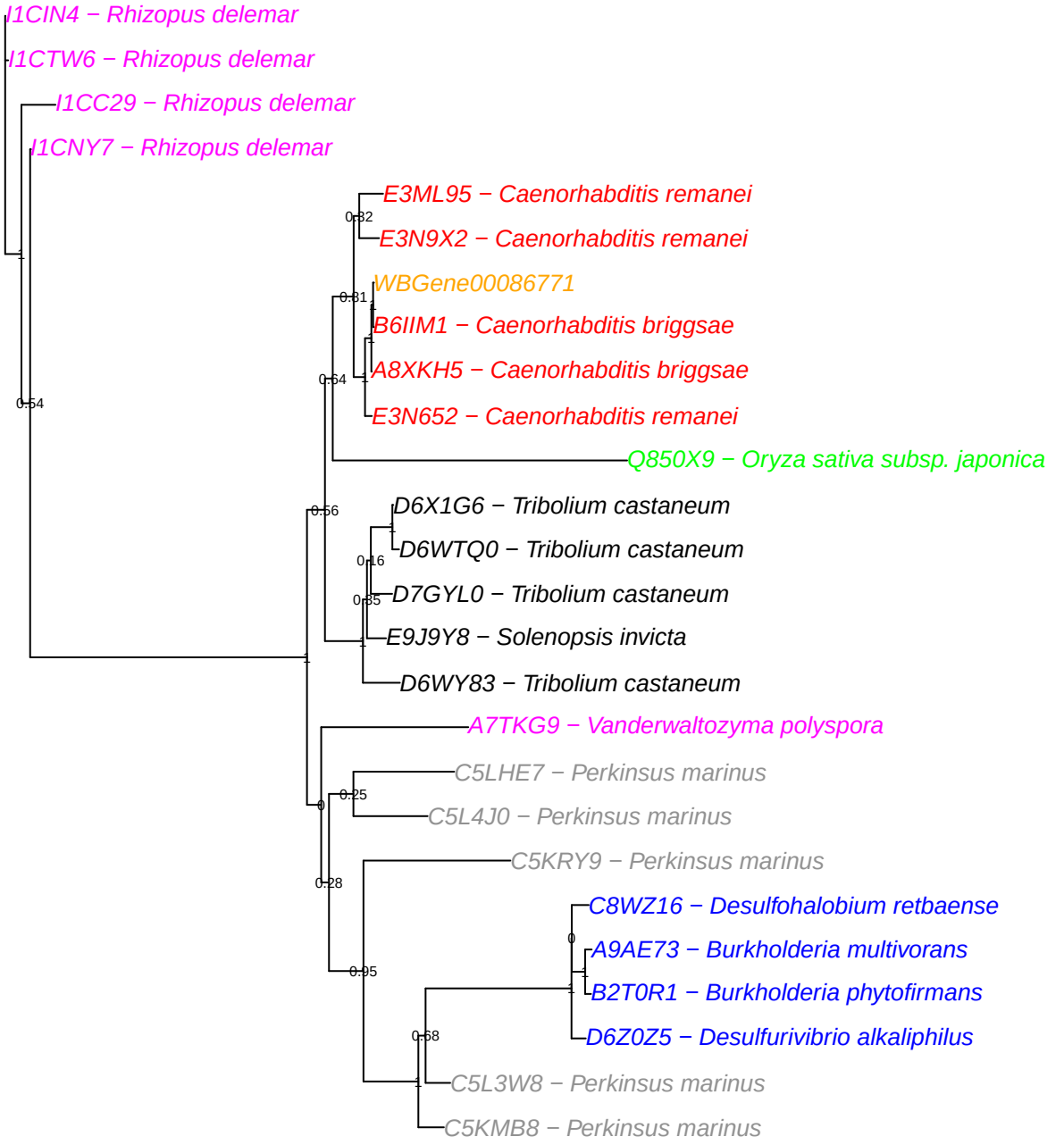

C5L5K1 − Perkinsus marinus
C5K5A7 − Perkinsus marinus
C5KA92 − Perkinsus marinus
C5KMB8 − Perkinsus marinus
C5KR95 − Perkinsus marinus
I1CT70 − Rhizopus delemar
I1BM32 − Rhizopus delemar
I1CB80 − Rhizopus delemar
I1BY80 − Rhizopus delemar
I1CQY2 − Rhizopus delemar
Q93Y69 − Oryza sativa subsp. japonica
Q8XYB5 − Ralstonia solanacearum
A4V9L1 − Salmonella paratyphi A
G0BCM9 − Serratia plymuthica
B5RKK4 − Klebsiella pneumoniae
C8TRV6 − Escherichia coli O26:H11
WBGene00088364
B6IHU3 − Caenorhabditis briggsae
H2WAS5 − Caenorhabditis japonica
E3LIJ1 − Caenorhabditis remanei
E3LTI3 − Caenorhabditis remanei
G0P392 − Caenorhabditis brenneri
E2ARC4 − Camponotus floridanus
D6WUK0 − Tribolium castaneum
D7EKM8 − Tribolium castaneum
D6X1G6 − Tribolium castaneum
D7GYL0 − Tribolium castaneum
0.97
0.46
0.86
0.6
0
0.83
0
0.59
0.99
0.99
0.9
0.53
0.88
0.93
0.84
0.48
0.96
0.3
0.99

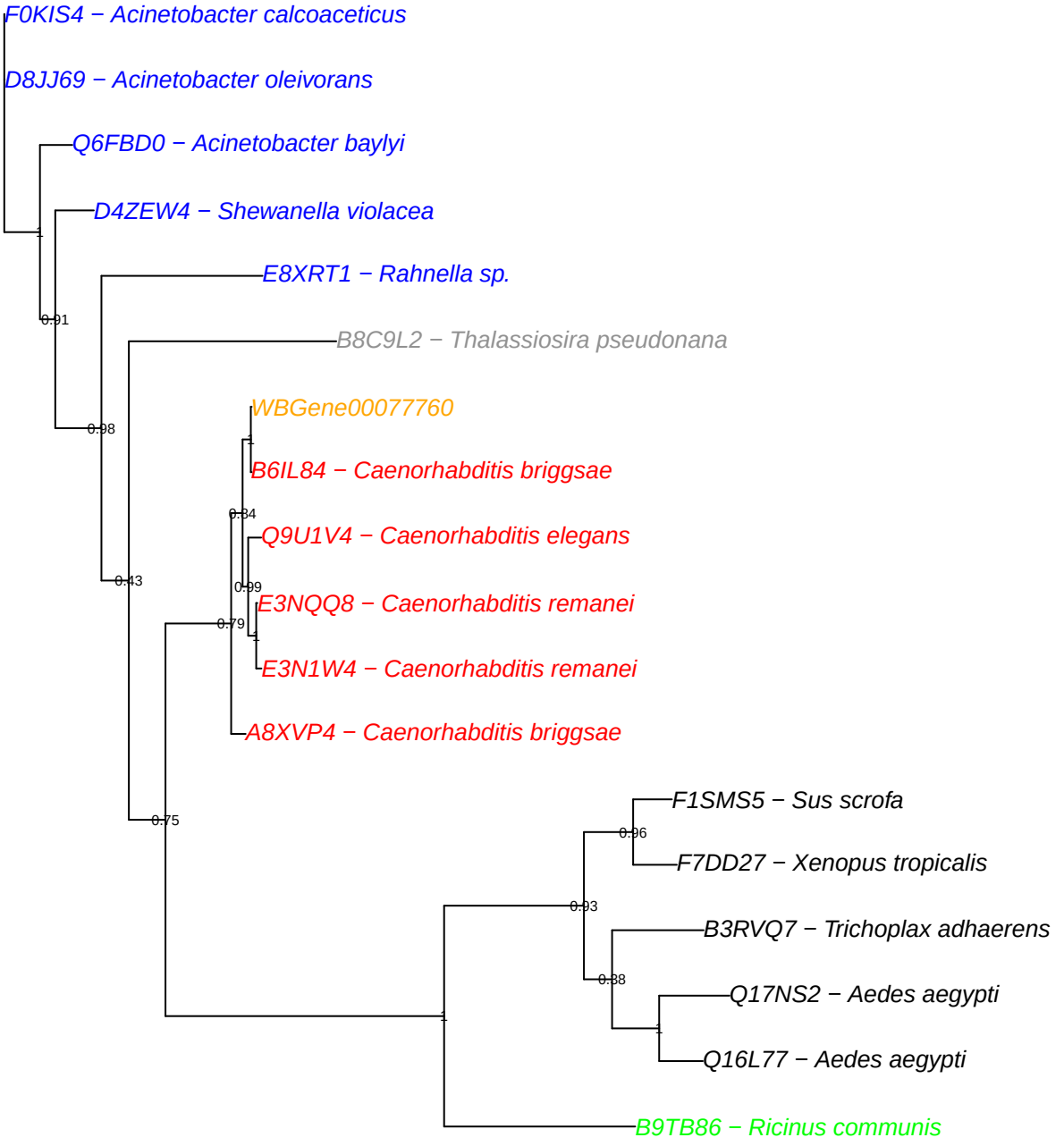

F9Y2Q8 − Bifidobacterium breve
Q8G3N4 − Bifidobacterium longum
C6XRV7 − Hirschia baltica
0.96
Q0BX56 − Hyphomonas neptunium
0.91
F8JEQ1 − Hyphomicrobium sp.
D3E396 − Methanobrevibacter ruminantium
D7ELD7 − Tribolium castaneum
D7ELE3 − Tribolium castaneum
D6WY78 − Tribolium castaneum
0.8
G0NDR5 − Caenorhabditis brenneri
B6IJ53 − Caenorhabditis briggsae
WBGene00088265
0.64
0.47
B6IM02 − Caenorhabditis briggsae
G0MFY3 − Caenorhabditis brenneri
G0MMS7 − Caenorhabditis brenneri
Q8LML8 − Oryza sativa subsp. japonica
C5XH07 − Sorghum bicolor
C5WY73 − Sorghum bicolor
C5YV82 − Sorghum bicolor
C5Y260 − Sorghum bicolor
0.85
H9JGG9 − Bombyx mori
0.99
H9JRF3 − Bombyx mori
0.71
D0N6B6 − Phytophthora infestans
D0MT84 − Phytophthora infestans
0.73
0.88
D0P001 − Phytophthora infestans
0.98
D0NXL1 − Phytophthora infestans
0.67
D0N2B2 − Phytophthora infestans
H6QRL2 − Puccinia graminis f. sp. tritici
0.99
A8NPE0 − Coprinopsis cinerea
C5GCC3 − Ajellomyces dermatitidis
I1BPW0 − Rhizopus delemar
I1CT28 − Rhizopus delemar

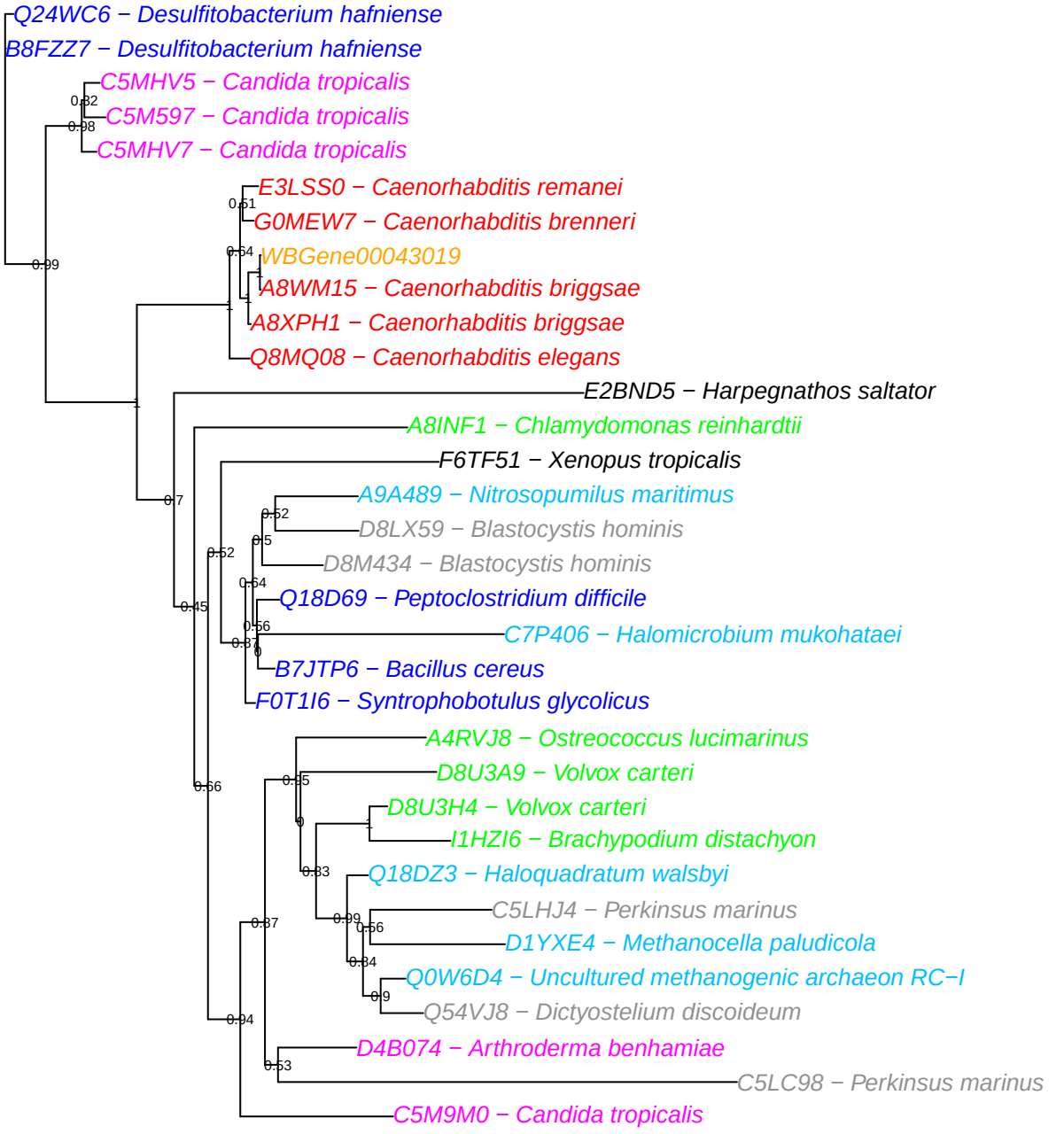

D7GYC0 − Tribolium castaneum
D7EKZ0 − Tribolium castaneum
D7GYB8 − Tribolium castaneum
E9HYD8 − Daphnia pulex
D7GXL4 − Tribolium castaneum
A0RU20 − Cenarchaeum symbiosum
A1RRC9 − Pyrobaculum islandicum
A4F9D2 − Saccharopolyspora erythraea
D2BCJ4 − Streptosporangium roseum
Q6M185 − Methanococcus maripaludis
Q2SDY7 − Hahella chejuensis
D8U8M4 − Volvox carteri
C1ABG0 − Gemmatimonas aurantiaca
F4NVZ7 − Batrachochytrium dendrobatidis
F4PBF5 − Batrachochytrium dendrobatidis
F4P2Y1 − Batrachochytrium dendrobatidis
F4NYZ8 − Batrachochytrium dendrobatidis
F4PEC2 − Batrachochytrium dendrobatidis
H2WQN5 − Caenorhabditis japonica
A8XWL5 − Caenorhabditis briggsae
WBGene00088136
B6IE97 − Caenorhabditis briggsae
A8XB66 − Caenorhabditis briggsae
E3NM63 − Caenorhabditis remanei
A8ESZ5 − Arcobacter butzleri
G5A188 − Phytophthora sojae
G5A9A6 − Phytophthora sojae
G4YII8 − Phytophthora sojae
G4ZWJ6 − Phytophthora sojae
G5A7H6 − Phytophthora sojae
0.95
0.86
0.84
0.74
0.28
0.98
0.75
0.74
0.52
0.88
0.86
0.97
0.88
0.72
0.011

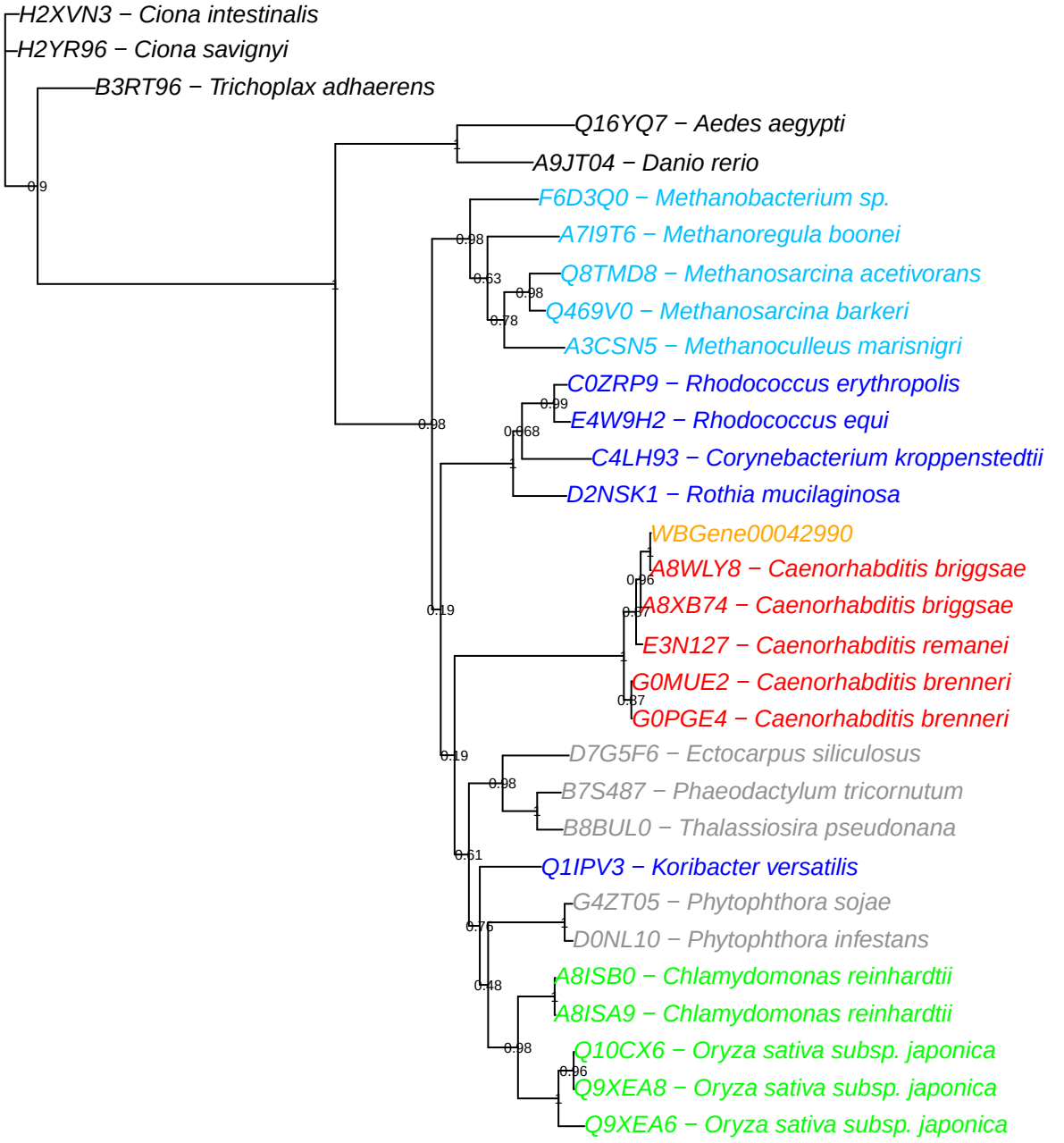

C5L5W4 − Perkinsus marinus
C5L354 − Perkinsus marinus
Q94HN8 − Oryza sativa subsp. japonica
Q7XUA3 − Oryza sativa subsp. japonica
Q850X9 − Oryza sativa subsp. japonica
Q75G47 − Oryza sativa subsp. japonica
Q7X805 − Oryza sativa subsp. japonica
Q5A2V1 − Candida albicans
Q5A2I7 − Candida albicans
B9WCC4 − Candida dubliniensis
I1BHC4 − Rhizopus delemar
A9AE73 − Burkholderia multivorans
B2T0R1 − Burkholderia phytofirmans
C5KA92 − Perkinsus marinus
I1CIN4 − Rhizopus delemar
C5KRL1 − Perkinsus marinus
C5L4J0 − Perkinsus marinus
E3N9X2 − Caenorhabditis remanei
E3N652 − Caenorhabditis remanei
A8XKH5 − Caenorhabditis briggsae
B6IIM1 − Caenorhabditis briggsae
WBGene00087542
B6IFH5 − Caenorhabditis briggsae
E9J9Y8 − Solenopsis invicta
D7GYL0 − Tribolium castaneum
D6X1G6 − Tribolium castaneum
D6WTQ0 − Tribolium castaneum
D6WY83 − Tribolium castaneum
0.68
0.18
0.81
0.69
0.73
0.61
0.81
0.91
0.88
0.79
0.94
0.93
0.78
0.88

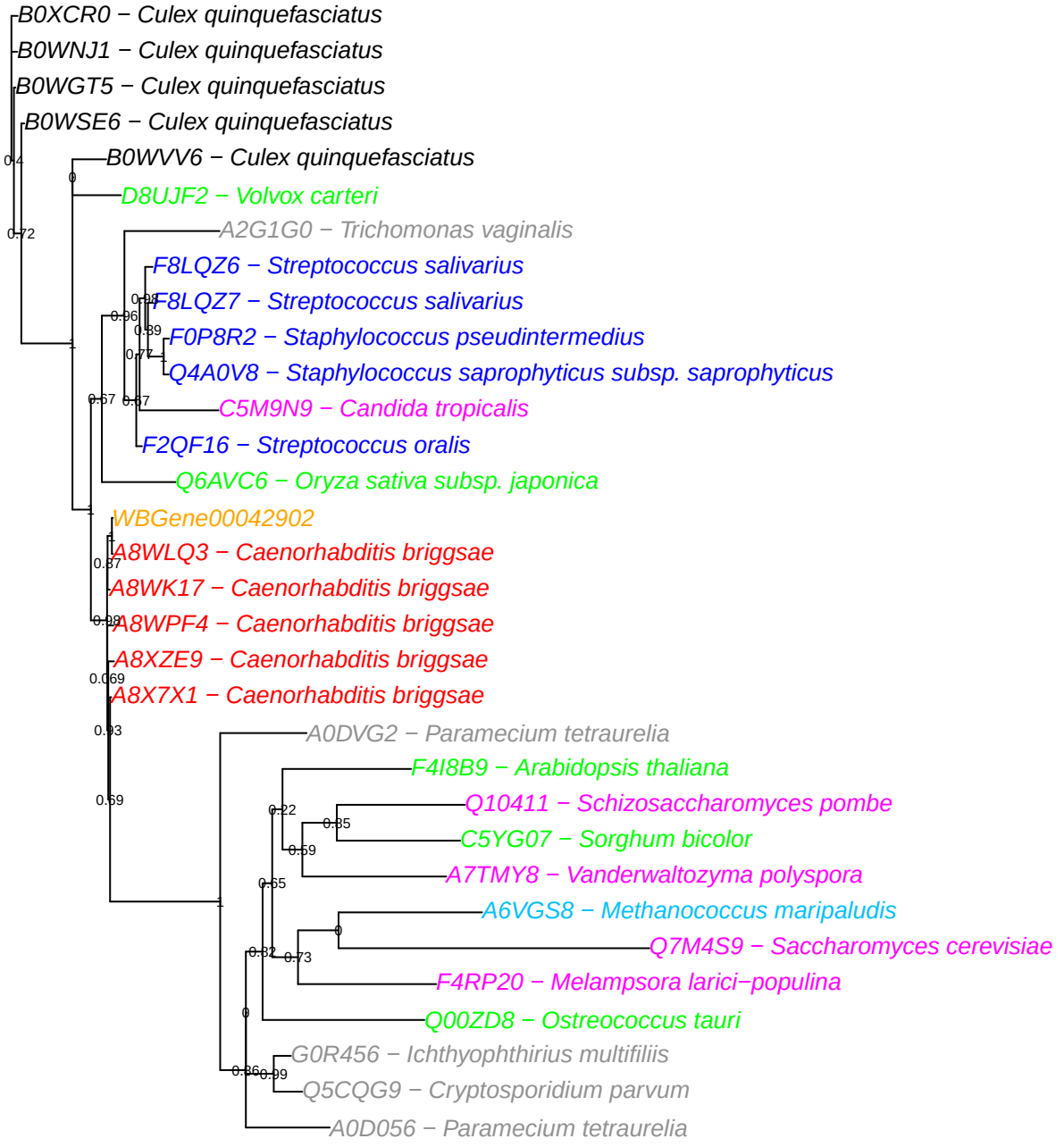

D6X1G6 − Tribolium castaneum
D6WTQ0 − Tribolium castaneum
A6Q876 − Sulfurovum sp.
C6VVZ9 − Dyadobacter fermentans
WBGene00086939
B6IFQ0 − Caenorhabditis briggsae
E3N9X2 − Caenorhabditis remanei
E3NWM9 − Caenorhabditis remanei
A8XKH5 − Caenorhabditis briggsae
E3N652 − Caenorhabditis remanei
G4LX12 − Schistosoma mansoni
G7Y5N0 − Clonorchis sinensis
D7EKN0 − Tribolium castaneum
C5LHE7 − Perkinsus marinus
B2GCY5 − Lactobacillus fermentum
Q9FYD1 − Arabidopsis thaliana
C7R0T8 − Jonesia denitrificans
C5Y7A3 − Sorghum bicolor
A7TTW6 − Vanderwaltozyma polyspora
A7TT56 − Vanderwaltozyma polyspora
A7THU1 − Vanderwaltozyma polyspora
A7TT61 − Vanderwaltozyma polyspora
C5MG95 − Candida tropicalis
C5KRL1 − Perkinsus marinus
C5L4J0 − Perkinsus marinus
E8T4L5 − Thermovibrio ammonificans
C5KZD5 − Perkinsus marinus
C5KRY9 − Perkinsus marinus
0.48
0.59
0.99
0.97
0.96
0.92
0.935
0.83
0.6
0.13
0.32
0.82
0.8
0.85
0.59
0.5
0.97
0.73
0.85

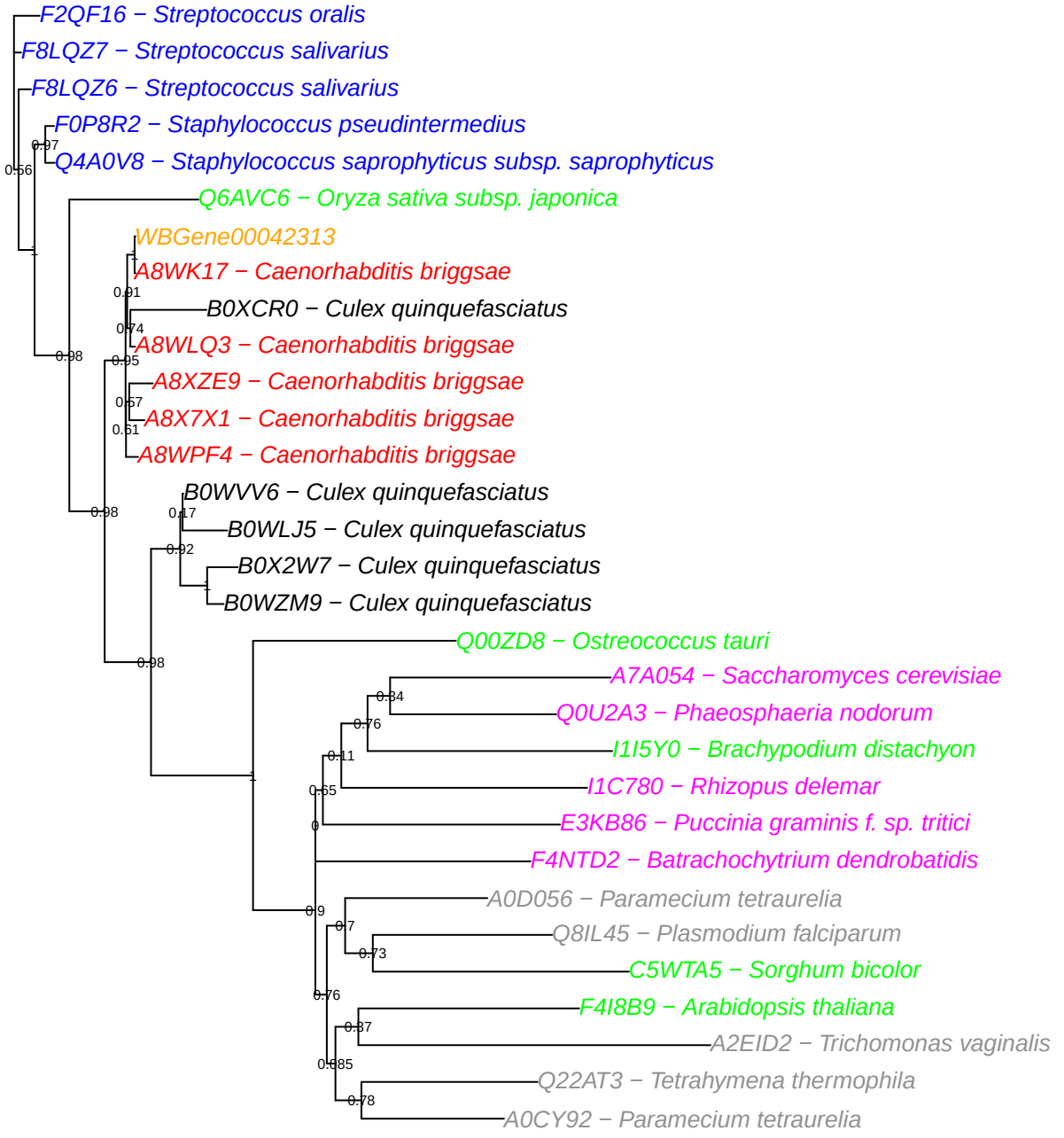

I1CIN4 − Rhizopus delemar
I1CTW6 − Rhizopus delemar
I1CC29 − Rhizopus delemar
I1CNY7 − Rhizopus delemar
E3ML95 − Caenorhabditis remanei
E3N9X2 − Caenorhabditis remanei
WBGene00086771
B6IIM1 − Caenorhabditis briggsae
A8XKH5 − Caenorhabditis briggsae
E3N652 − Caenorhabditis remanei
Q850X9 − Oryza sativa subsp. japonica
D6X1G6 − Tribolium castaneum
D6WTQ0 − Tribolium castaneum
D7GYL0 − Tribolium castaneum
E9J9Y8 − Solenopsis invicta
D6WY83 − Tribolium castaneum
A7TKG9 − Vanderwaltozyma polyspora
C5LHE7 − Perkinsus marinus
C5L4J0 − Perkinsus marinus
C5KRY9 − Perkinsus marinus
C8WZ16 − Desulfohalobium retbaense
A9AE73 − Burkholderia multivorans
B2T0R1 − Burkholderia phytofirmans
D6Z0Z5 − Desulfurivibrio alkaliphilus
C5L3W8 − Perkinsus marinus
C5KMB8 − Perkinsus marinus
0.82
0.81
0.54
0.54
0.56
0.16
0.35
0.25
0.28
0.95
0.68

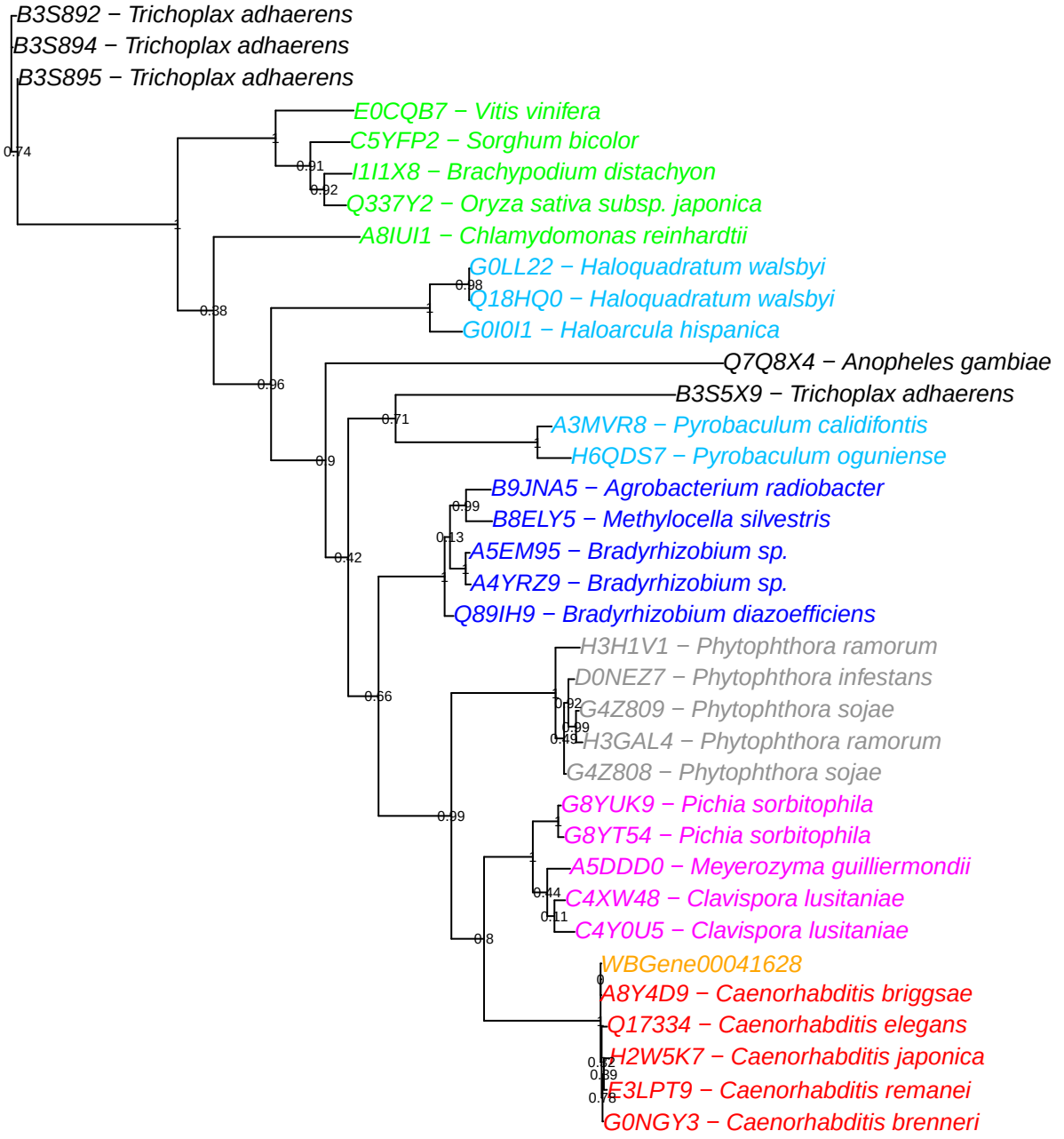

F0KIS4 − Acinetobacter calcoaceticus
D8JJ69 − Acinetobacter oleivorans
Q6FBD0 − Acinetobacter baylyi
D4ZEW4 − Shewanella violacea
E8XRT1 − Rahnella sp.
B8C9L2 − Thalassiosira pseudonana
WBGene00077760
B6IL84 − Caenorhabditis briggsae
Q9U1V4 − Caenorhabditis elegans
E3NQQ8 − Caenorhabditis remanei
E3N1W4 − Caenorhabditis remanei
A8XVP4 − Caenorhabditis briggsae
F1SMS5 − Sus scrofa
F7DD27 − Xenopus tropicalis
B3RVQ7 − Trichoplax adhaerens
Q17NS2 − Aedes aegypti
Q16L77 − Aedes aegypti
B9TB86 − Ricinus communis
1
0.91
0.98
0.43
0.84
0.99
0.79
1
0.75
0.96
0.93
0.88
1
1

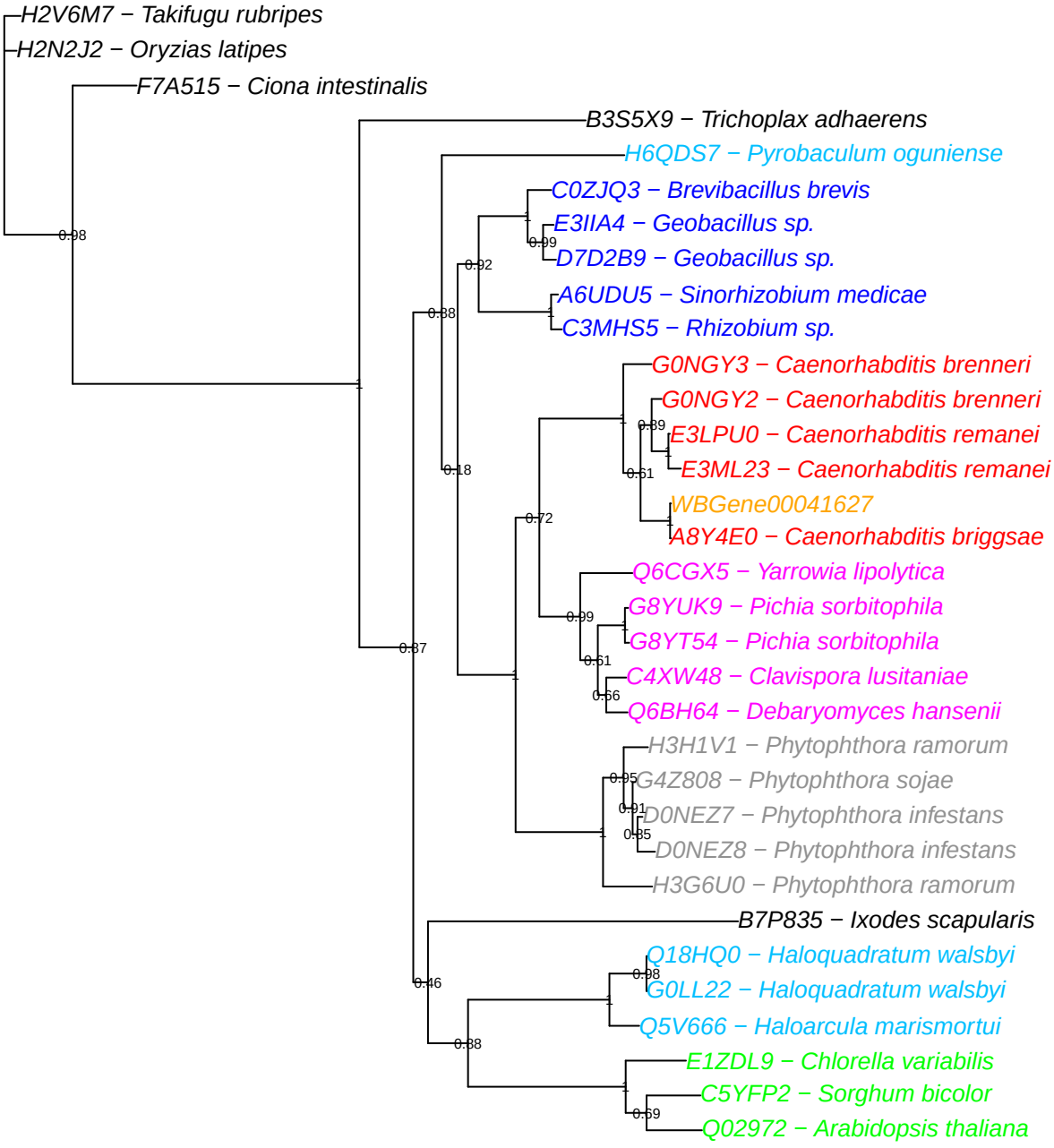

Q24WC6 − Desulfitobacterium hafniense
B8FZZ7 − Desulfitobacterium hafniense
C5MHV5 − Candida tropicalis
C5M597 − Candida tropicalis
C5MHV7 − Candida tropicalis
E3LSS0 − Caenorhabditis remanei
G0MEW7 − Caenorhabditis brenneri
WBGene00043019
A8WM15 − Caenorhabditis briggsae
A8XPH1 − Caenorhabditis briggsae
Q8MQ08 − Caenorhabditis elegans
E2BND5 − Harpegnathos saltator
A8INF1 − Chlamydomonas reinhardtii
F6TF51 − Xenopus tropicalis
A9A489 − Nitrosopumilus maritimus
D8LX59 − Blastocystis hominis
D8M434 − Blastocystis hominis
Q18D69 − Peptoclostridium difficile
C7P406 − Halomicrobium mukohataei
B7JTP6 − Bacillus cereus
F0T1I6 − Syntrophobotulus glycolicus
A4RVJ8 − Ostreococcus lucimarinus
D8U3A9 − Volvox carteri
D8U3H4 − Volvox carteri
I1HZI6 − Brachypodium distachyon
Q18DZ3 − Haloquadratum walsbyi
C5LHJ4 − Perkinsus marinus
D1YXE4 − Methanocella paludicola
Q0W6D4 − Uncultured methanogenic archaeon RC−I
Q54VJ8 − Dictyostelium discoideum
D4B074 − Arthroderma benhamiae
C5LC98 − Perkinsus marinus
C5M9M0 − Candida tropicalis

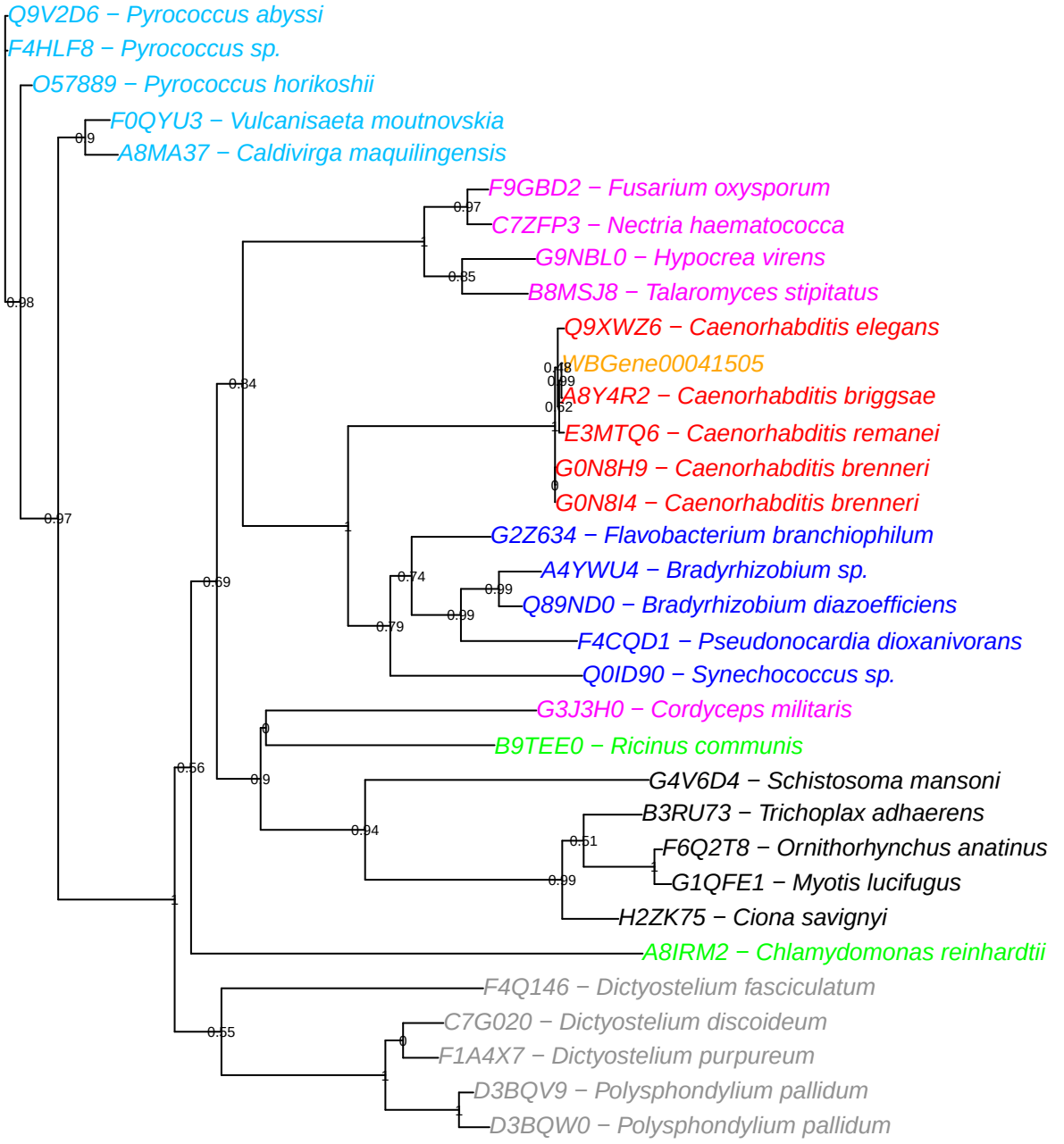

H2XVN3 − Ciona intestinalis
H2YR96 − Ciona savignyi
B3RT96 − Trichoplax adhaerens
Q16YQ7 − Aedes aegypti
A9JT04 − Danio rerio
F6D3Q0 − Methanobacterium sp.
A7I9T6 − Methanoregula boonei
Q8TMD8 − Methanosarcina acetivorans
Q469V0 − Methanosarcina barkeri
A3CSN5 − Methanoculleus marisnigri
C0ZRP9 − Rhodococcus erythropolis
E4W9H2 − Rhodococcus equi
C4LH93 − Corynebacterium kroppenstedtii
D2NSK1 − Rothia mucilaginosa
WBGene00042990
A8WLY8 − Caenorhabditis briggsae
A8XB74 − Caenorhabditis briggsae
E3N127 − Caenorhabditis remanei
G0MUE2 − Caenorhabditis brenneri
G0PGE4 − Caenorhabditis brenneri
D7G5F6 − Ectocarpus siliculosus
B7S487 − Phaeodactylum tricornutum
B8BUL0 − Thalassiosira pseudonana
Q1IPV3 − Koribacter versatilis
G4ZT05 − Phytophthora sojae
D0NL10 − Phytophthora infestans
A8ISB0 − Chlamydomonas reinhardtii
A8ISA9 − Chlamydomonas reinhardtii
Q10CX6 − Oryza sativa subsp. japonica
Q9XEA8 − Oryza sativa subsp. japonica
Q9XEA6 − Oryza sativa subsp. japonica
0.9
1
0.98
0.63
0.98
0.78
0.99
0.668
1
0.98
0.19
0.96
0.97
1
0.97
0.19
0.98
1
0.61
0.76
1
0.48
0.98
0.96
1

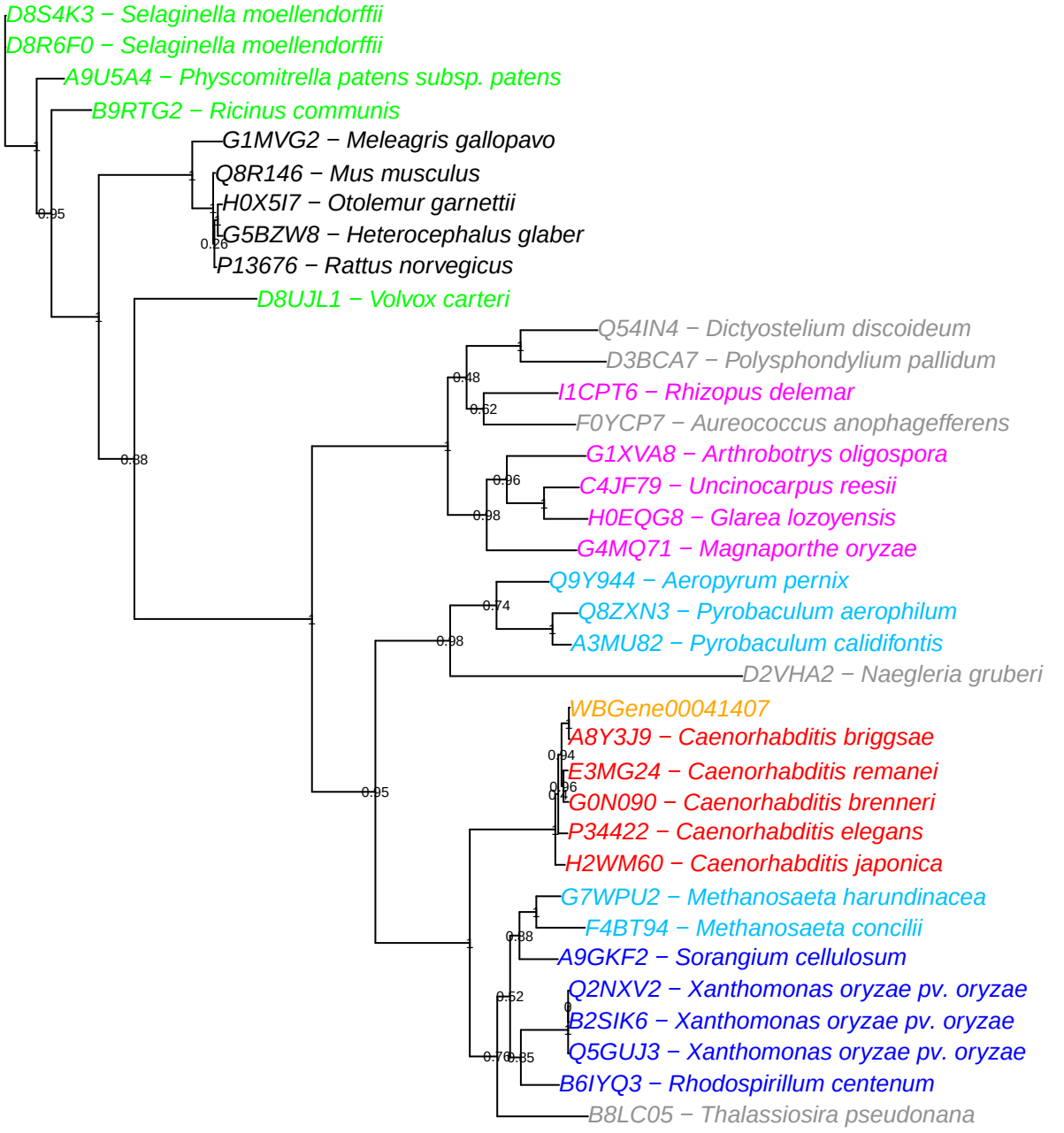

B0XCR0 − Culex quinquefasciatus
B0WNJ1 − Culex quinquefasciatus
B0WGT5 − Culex quinquefasciatus
B0WSE6 − Culex quinquefasciatus
B0WVV6 − Culex quinquefasciatus
D8UJF2 − Volvox carteri
A2G1G0 − Trichomonas vaginalis
F8LQZ6 − Streptococcus salivarius
F8LQZ7 − Streptococcus salivarius
F0P8R2 − Staphylococcus pseudintermedius
Q4A0V8 − Staphylococcus saprophyticus subsp. saprophyticus
C5M9N9 − Candida tropicalis
F2QF16 − Streptococcus oralis
Q6AVC6 − Oryza sativa subsp. japonica
WBGene00042902
A8WLQ3 − Caenorhabditis briggsae
A8WK17 − Caenorhabditis briggsae
A8WPF4 − Caenorhabditis briggsae
A8XZE9 − Caenorhabditis briggsae
A8X7X1 − Caenorhabditis briggsae
A0DVG2 − Paramecium tetraurelia
F4I8B9 − Arabidopsis thaliana
Q10411 − Schizosaccharomyces pombe
C5YG07 − Sorghum bicolor
A7TMY8 − Vanderwaltozyma polyspora
A6VGS8 − Methanococcus maripaludis
Q7M4S9 − Saccharomyces cerevisiae
F4RP20 − Melampsora larici−populina
Q00ZD8 − Ostreococcus tauri
G0R456 − Ichthyophthirius multifiliis
Q5CQG9 − Cryptosporidium parvum
A0D056 − Paramecium tetraurelia

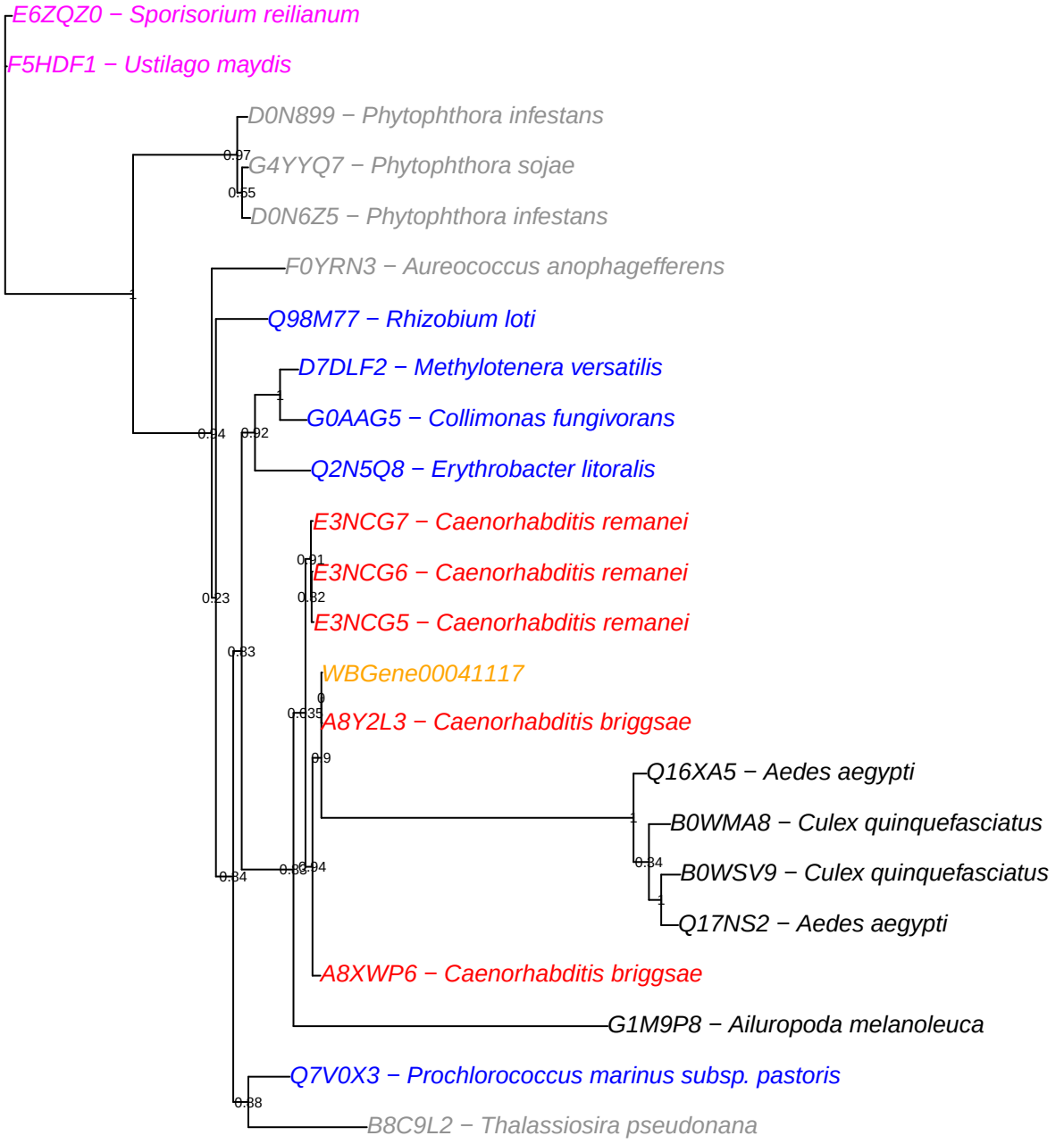

F2QF16 − Streptococcus oralis
F8LQZ7 − Streptococcus salivarius
F8LQZ6 − Streptococcus salivarius
F0P8R2 − Staphylococcus pseudintermedius
Q4A0V8 − Staphylococcus saprophyticus subsp. saprophyticus
Q6AVC6 − Oryza sativa subsp. japonica
WBGene00042313
A8WK17 − Caenorhabditis briggsae
B0XCR0 − Culex quinquefasciatus
A8WLQ3 − Caenorhabditis briggsae
A8XZE9 − Caenorhabditis briggsae
A8X7X1 − Caenorhabditis briggsae
A8WPF4 − Caenorhabditis briggsae
B0WVV6 − Culex quinquefasciatus
B0WLJ5 − Culex quinquefasciatus
B0X2W7 − Culex quinquefasciatus
B0WZM9 − Culex quinquefasciatus
Q00ZD8 − Ostreococcus tauri
A7A054 − Saccharomyces cerevisiae
Q0U2A3 − Phaeosphaeria nodorum
I1I5Y0 − Brachypodium distachyon
I1C780 − Rhizopus delemar
E3KB86 − Puccinia graminis f. sp. tritici
F4NTD2 − Batrachochytrium dendrobatidis
A0D056 − Paramecium tetraurelia
Q8IL45 − Plasmodium falciparum
C5WTA5 − Sorghum bicolor
F4I8B9 − Arabidopsis thaliana
A2EID2 − Trichomonas vaginalis
Q22AT3 − Tetrahymena thermophila
A0CY92 − Paramecium tetraurelia
0.97
0.56
1
0.91
0.74
0.98
0.95
0.57
0.61
0.98
0.17
0.92
1
0.98
1
0.84
0.76
0.11
0.55
0
0.9
0.7
0.73
0.76
0.87
0.685
0.78

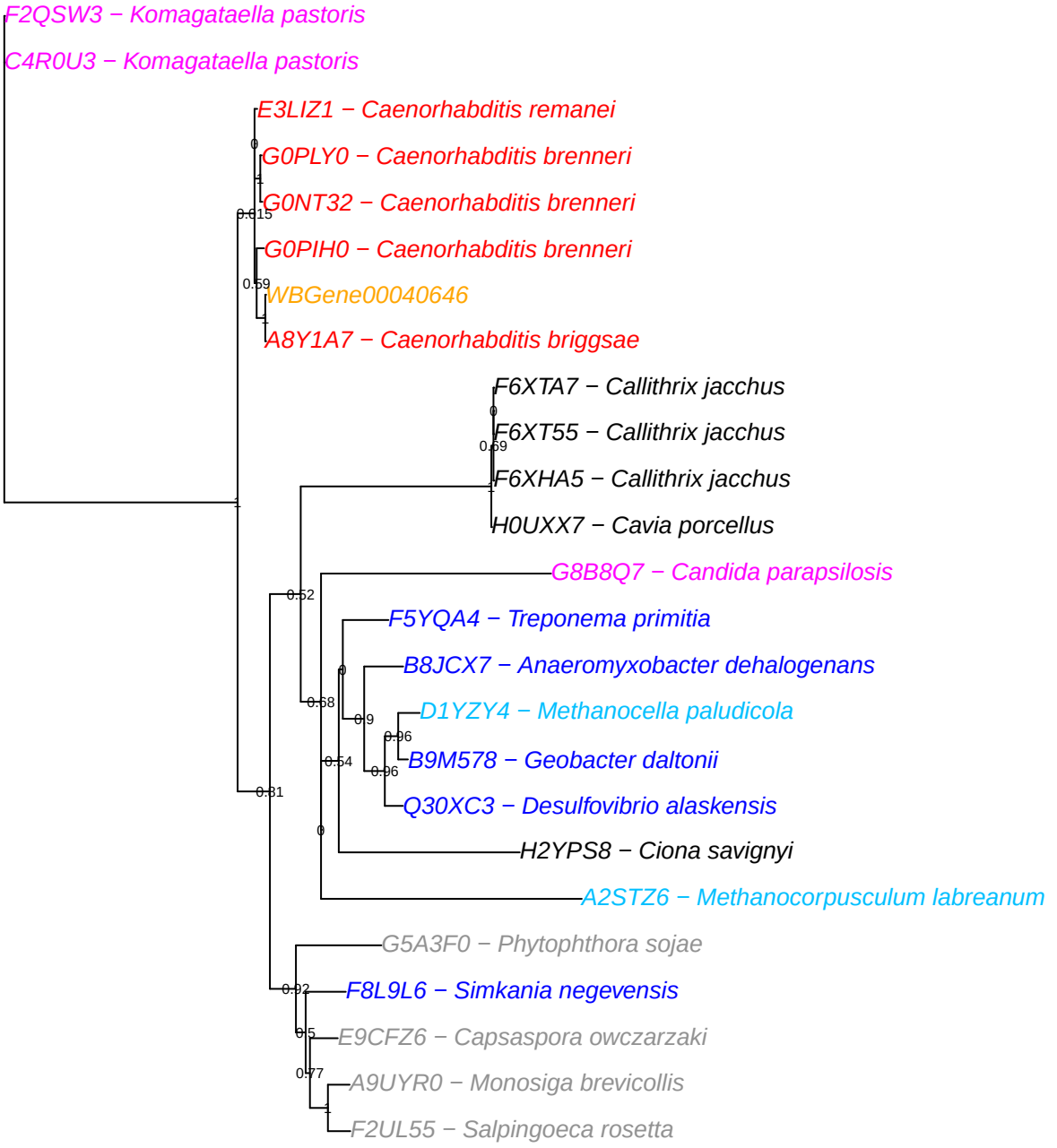

B3S892 − Trichoplax adhaerens
B3S894 − Trichoplax adhaerens
B3S895 − Trichoplax adhaerens
E0CQB7 − Vitis vinifera
C5YFP2 − Sorghum bicolor
I1I1X8 − Brachypodium distachyon
Q337Y2 − Oryza sativa subsp. japonica
A8IUI1 − Chlamydomonas reinhardtii
G0LL22 − Haloquadratum walsbyi
Q18HQ0 − Haloquadratum walsbyi
G0I0I1 − Haloarcula hispanica
Q7Q8X4 − Anopheles gambiae
B3S5X9 − Trichoplax adhaerens
A3MVR8 − Pyrobaculum calidifontis
H6QDS7 − Pyrobaculum oguniense
B9JNA5 − Agrobacterium radiobacter
B8ELY5 − Methylocella silvestris
A5EM95 − Bradyrhizobium sp.
A4YRZ9 − Bradyrhizobium sp.
Q89IH9 − Bradyrhizobium diazoefficiens
H3H1V1 − Phytophthora ramorum
D0NEZ7 − Phytophthora infestans
G4Z809 − Phytophthora sojae
H3GAL4 − Phytophthora ramorum
G4Z808 − Phytophthora sojae
G8YUK9 − Pichia sorbitophila
G8YT54 − Pichia sorbitophila
A5DDD0 − Meyerozyma guilliermondii
C4XW48 − Clavispora lusitaniae
C4Y0U5 − Clavispora lusitaniae
WBGene00041628
A8Y4D9 − Caenorhabditis briggsae
Q17334 − Caenorhabditis elegans
H2W5K7 − Caenorhabditis japonica
E3LPT9 − Caenorhabditis remanei
G0NGY3 − Caenorhabditis brenneri
0.74
0.91
0.92
0.98
0.88
0.96
0.71
0.9
0.99
0.13
0.42
0.66
0.92
0.99
0.99
0.14
0.11
0.8
0.89
0.76

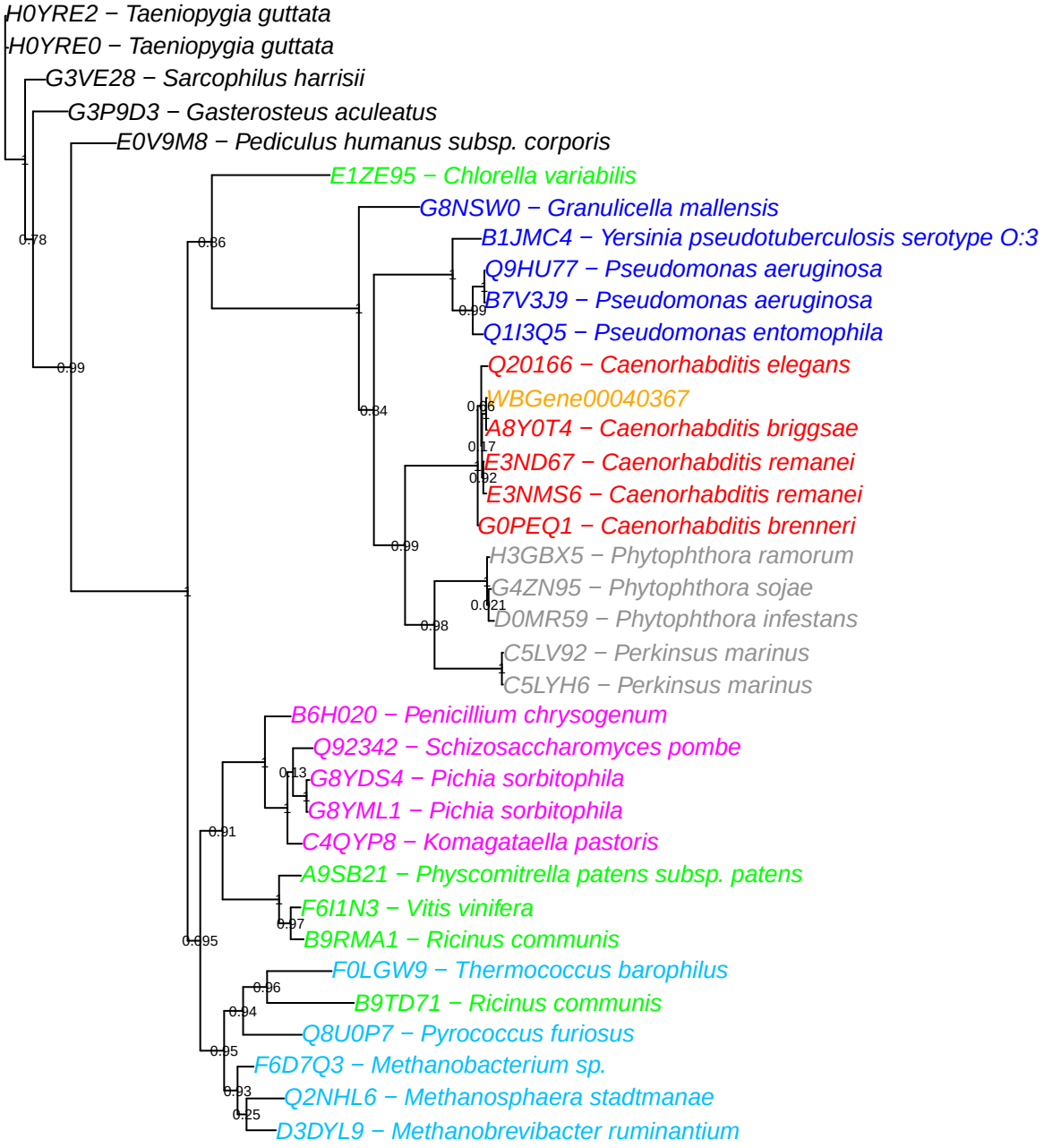

H2V6M7 − Takifugu rubripes
H2N2J2 − Oryzias latipes
F7A515 − Ciona intestinalis
B3S5X9 − Trichoplax adhaerens
H6QDS7 − Pyrobaculum oguniense
C0ZJQ3 − Brevibacillus brevis
E3IIA4 − Geobacillus sp.
D7D2B9 − Geobacillus sp.
A6UDU5 − Sinorhizobium medicae
C3MHS5 − Rhizobium sp.
G0NGY3 − Caenorhabditis brenneri
G0NGY2 − Caenorhabditis brenneri
E3LPU0 − Caenorhabditis remanei
E3ML23 − Caenorhabditis remanei
WBGene00041627
A8Y4E0 − Caenorhabditis briggsae
Q6CGX5 − Yarrowia lipolytica
G8YUK9 − Pichia sorbitophila
G8YT54 − Pichia sorbitophila
C4XW48 − Clavispora lusitaniae
Q6BH64 − Debaryomyces hansenii
H3H1V1 − Phytophthora ramorum
G4Z808 − Phytophthora sojae
D0NEZ7 − Phytophthora infestans
D0NEZ8 − Phytophthora infestans
H3G6U0 − Phytophthora ramorum
B7P835 − Ixodes scapularis
Q18HQ0 − Haloquadratum walsbyi
G0LL22 − Haloquadratum walsbyi
Q5V666 − Haloarcula marismortui
E1ZDL9 − Chlorella variabilis
C5YFP2 − Sorghum bicolor
Q02972 − Arabidopsis thaliana
0.98
0.99
0.92
0.88
0.89
0.61
0.18
0.72
0.99
0.61
0.56
0.87
0.95
0.91
0.85
0.98
0.46
0.88
0.59

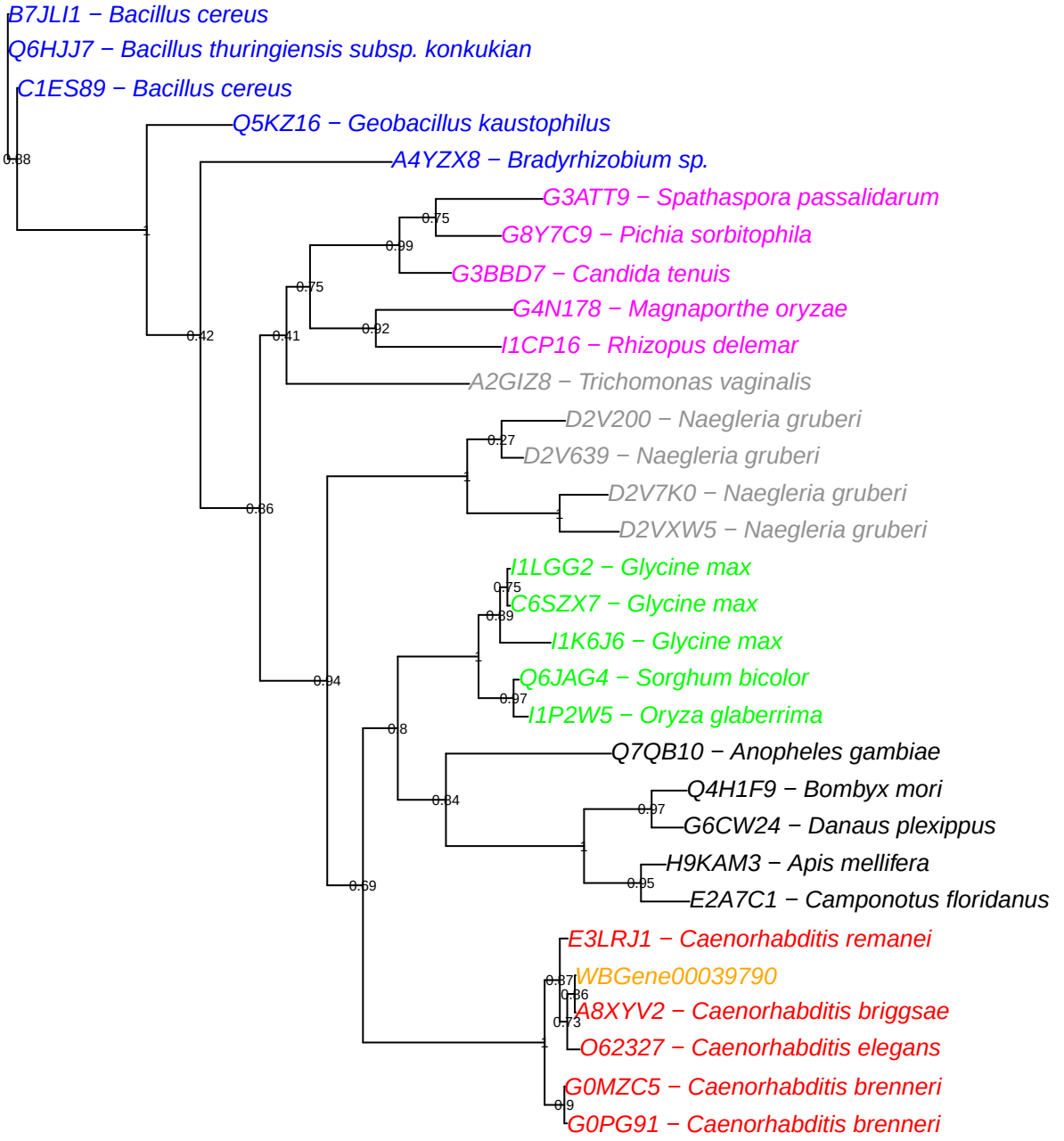

Q9V2D6 − Pyrococcus abyssi
F4HLF8 − Pyrococcus sp.
O57889 − Pyrococcus horikoshii
F0QYU3 − Vulcanisaeta moutnovskia
A8MA37 − Caldivirga maquilingensis
F9GBD2 − Fusarium oxysporum
C7ZFP3 − Nectria haematococca
G9NBL0 − Hypocrea virens
B8MSJ8 − Talaromyces stipitatus
Q9XWZ6 − Caenorhabditis elegans
WBGene00041505
A8Y4R2 − Caenorhabditis briggsae
E3MTQ6 − Caenorhabditis remanei
G0N8H9 − Caenorhabditis brenneri
G0N8I4 − Caenorhabditis brenneri
G2Z634 − Flavobacterium branchiophilum
A4YWU4 − Bradyrhizobium sp.
Q89ND0 − Bradyrhizobium diazoefficiens
F4CQD1 − Pseudonocardia dioxanivorans
Q0ID90 − Synechococcus sp.
G3J3H0 − Cordyceps militaris
B9TEE0 − Ricinus communis
G4V6D4 − Schistosoma mansoni
B3RU73 − Trichoplax adhaerens
F6Q2T8 − Ornithorhynchus anatinus
G1QFE1 − Myotis lucifugus
H2ZK75 − Ciona savignyi
A8IRM2 − Chlamydomonas reinhardtii
F4Q146 − Dictyostelium fasciculatum
C7G020 − Dictyostelium discoideum
F1A4X7 − Dictyostelium purpureum
D3BQV9 − Polysphondylium pallidum
D3BQW0 − Polysphondylium pallidum

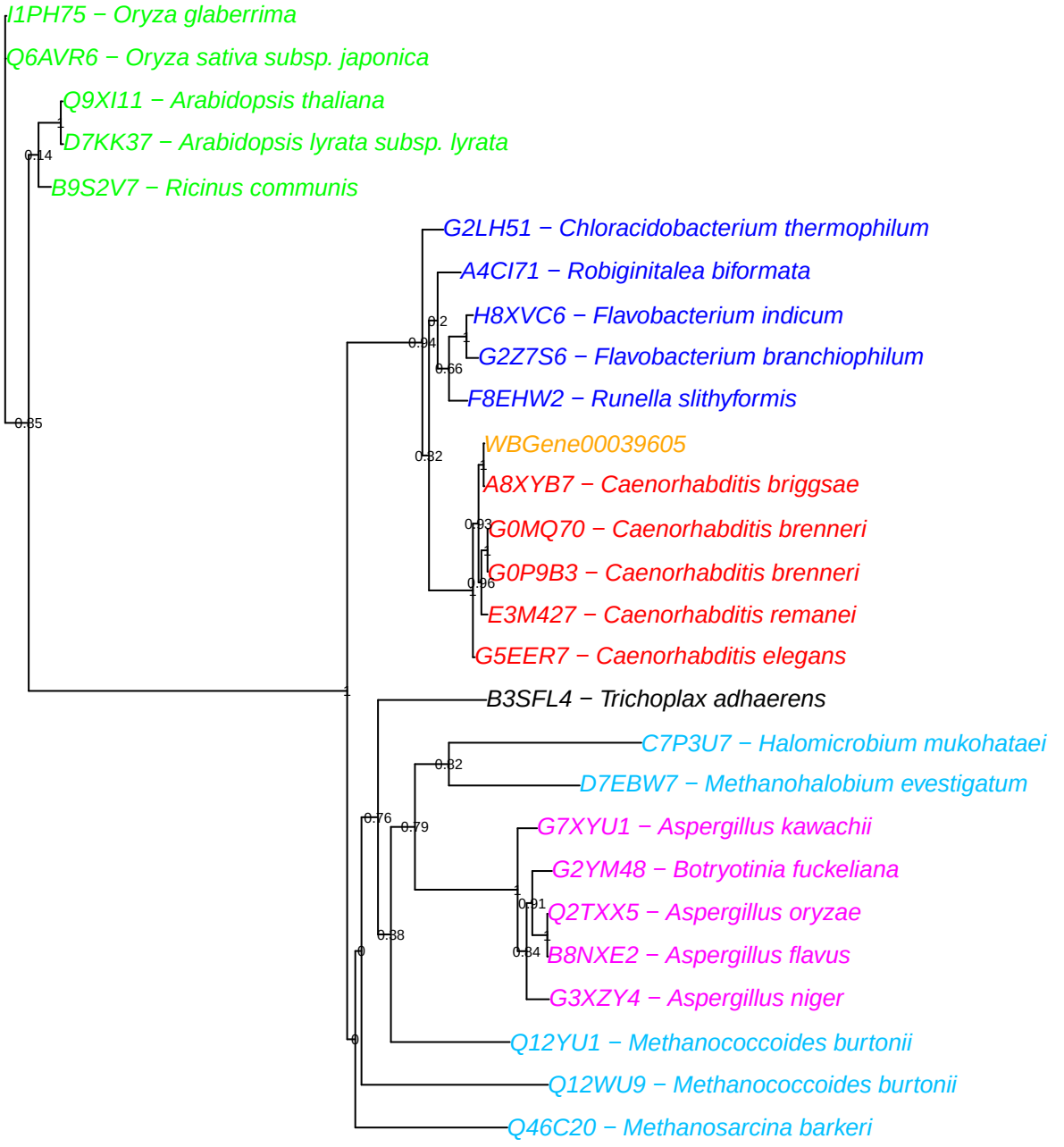

D8S4K3 − Selaginella moellendorffii
D8R6F0 − Selaginella moellendorffii
A9U5A4 − Physcomitrella patens subsp. patens
B9RTG2 − Ricinus communis
G1MVG2 − Meleagris gallopavo
Q8R146 − Mus musculus
H0X5I7 − Otolemur garnettii
G5BZW8 − Heterocephalus glaber
P13676 − Rattus norvegicus
D8UJL1 − Volvox carteri
Q54IN4 − Dictyostelium discoideum
D3BCA7 − Polysphondylium pallidum
I1CPT6 − Rhizopus delemar
F0YCP7 − Aureococcus anophagefferens
G1XVA8 − Arthrobotrys oligospora
C4JF79 − Uncinocarpus reesii
H0EQG8 − Glarea lozoyensis
G4MQ71 − Magnaporthe oryzae
Q9Y944 − Aeropyrum pernix
Q8ZXN3 − Pyrobaculum aerophilum
A3MU82 − Pyrobaculum calidifontis
D2VHA2 − Naegleria gruberi
WBGene00041407
A8Y3J9 − Caenorhabditis briggsae
E3MG24 − Caenorhabditis remanei
G0N090 − Caenorhabditis brenneri
P34422 − Caenorhabditis elegans
H2WM60 − Caenorhabditis japonica
G7WPU2 − Methanosaeta harundinacea
F4BT94 − Methanosaeta concilii
A9GKF2 − Sorangium cellulosum
Q2NXV2 − Xanthomonas oryzae pv. oryzae
B2SIK6 − Xanthomonas oryzae pv. oryzae
Q5GUJ3 − Xanthomonas oryzae pv. oryzae
B6IYQ3 − Rhodospirillum centenum
B8LC05 − Thalassiosira pseudonana
0.95
0.26
0.88
0.48
0.62
0.96
0.98
0.74
0.98
0.95
0.94
0.96
0.88
0.52
0.78
0.85

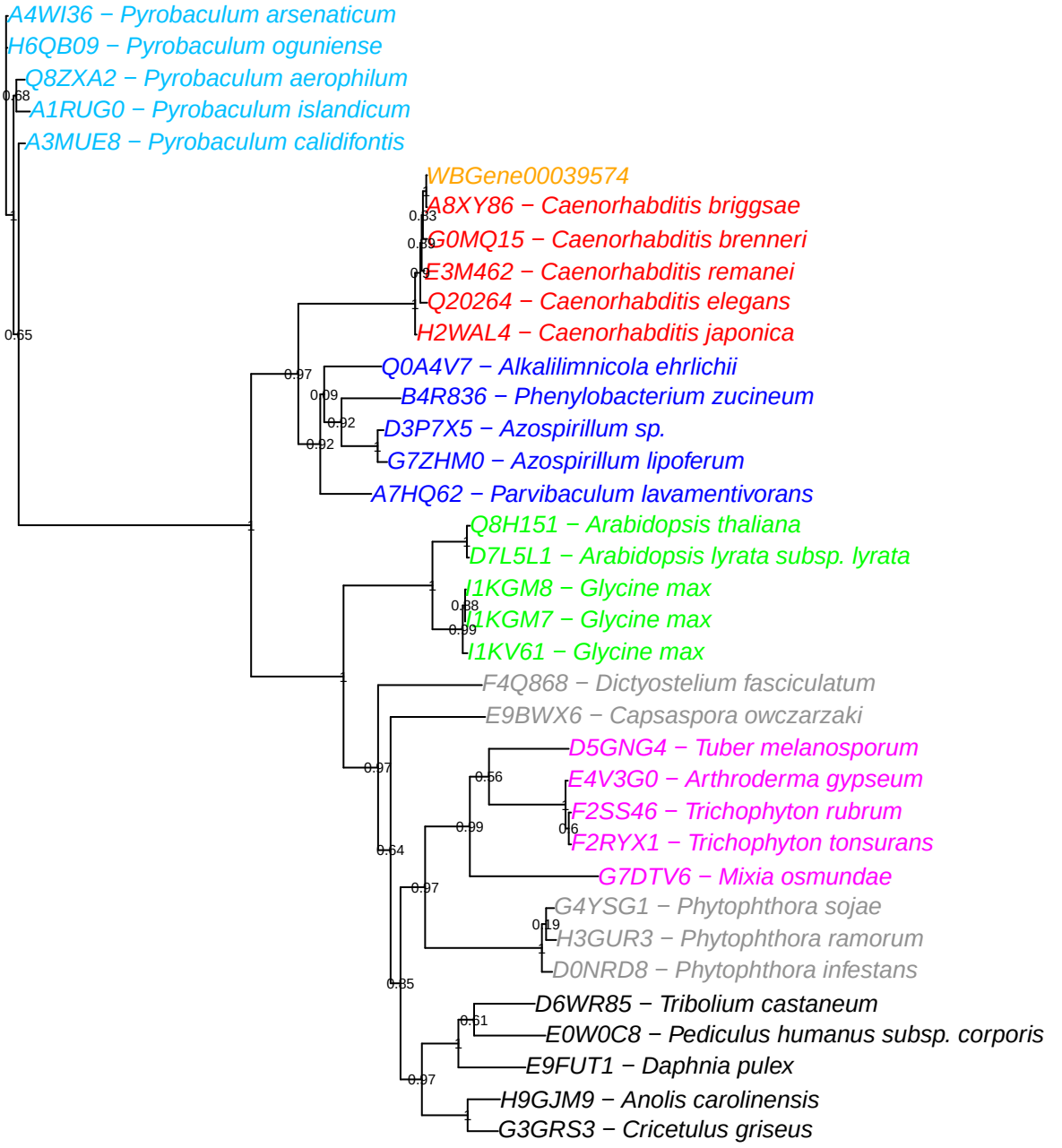

E6ZQZ0 − Sporisorium reilianum
F5HDF1 − Ustilago maydis
D0N899 − Phytophthora infestans
0.97
G4YYQ7 − Phytophthora sojae
0.55
D0N6Z5 − Phytophthora infestans
F0YRN3 − Aureococcus anophagefferens
1
Q98M77 − Rhizobium loti
D7DLF2 − Methylotenera versatilis
1
G0AAG5 − Collimonas fungivorans
0.94
0.92
Q2N5Q8 − Erythrobacter litoralis
E3NCG7 − Caenorhabditis remanei
0.91
E3NCG6 − Caenorhabditis remanei
0.23
0.82
E3NCG5 − Caenorhabditis remanei
0.83
WBGene00041117
0
0.635
A8Y2L3 − Caenorhabditis briggsae
0.9
Q16XA5 − Aedes aegypti
1
B0WMA8 − Culex quinquefasciatus
0.84
B0WSV9 − Culex quinquefasciatus
1
Q17NS2 − Aedes aegypti
0.84
0.94
A8XWP6 − Caenorhabditis briggsae
G1M9P8 − Ailuropoda melanoleuca
Q7V0X3 − Prochlorococcus marinus subsp. pastoris
0.88
B8C9L2 − Thalassiosira pseudonana

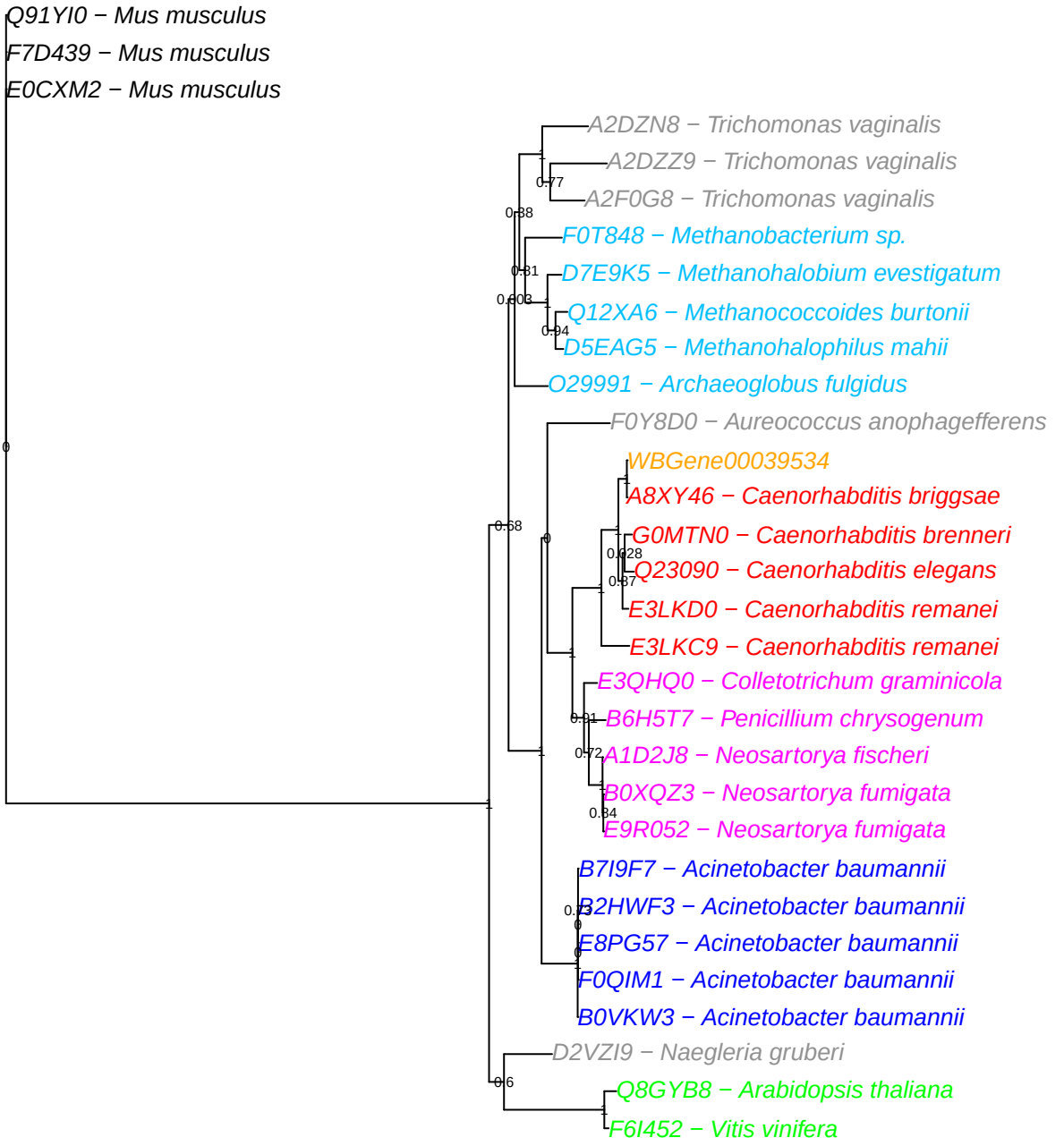

F2QSW3 − Komagataella pastoris
C4R0U3 − Komagataella pastoris
E3LIZ1 − Caenorhabditis remanei
G0PLY0 − Caenorhabditis brenneri
G0NT32 − Caenorhabditis brenneri
G0PIH0 − Caenorhabditis brenneri
WBGene00040646
A8Y1A7 − Caenorhabditis briggsae
F6XTA7 − Callithrix jacchus
F6XT55 − Callithrix jacchus
F6XHA5 − Callithrix jacchus
H0UXX7 − Cavia porcellus
G8B8Q7 − Candida parapsilosis
F5YQA4 − Treponema primitia
B8JCX7 − Anaeromyxobacter dehalogenans
D1YZY4 − Methanocella paludicola
B9M578 − Geobacter daltonii
Q30XC3 − Desulfovibrio alaskensis
H2YPS8 − Ciona savignyi
A2STZ6 − Methanocorpusculum labreanum
G5A3F0 − Phytophthora sojae
F8L9L6 − Simkania negevensis
E9CFZ6 − Capsaspora owczarzaki
A9UYR0 − Monosiga brevicollis
F2UL55 − Salpingoeca rosetta
0
1
0.615
0.59
1
0
0.69
1
1
0.52
0.68
0
0.9
0.96
0.54
0.96
0.81
0
0.92
0.5
0.77
1

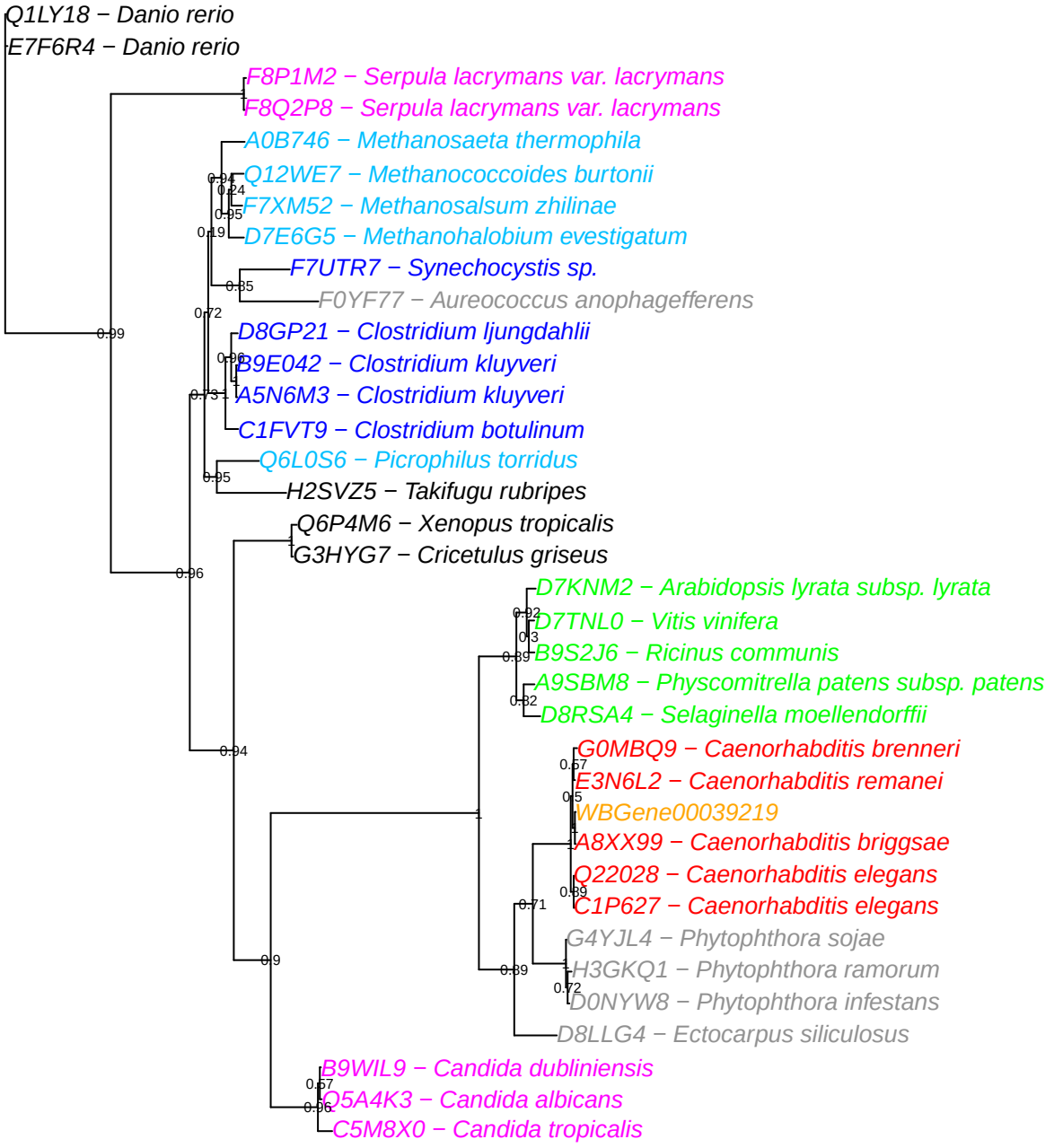

H0YRE2 − Taeniopygia guttata
H0YRE0 − Taeniopygia guttata
G3VE28 − Sarcophilus harrisii
G3P9D3 − Gasterosteus aculeatus
E0V9M8 − Pediculus humanus subsp. corporis
E1ZE95 − Chlorella variabilis
G8NSW0 − Granulicella mallensis
B1JMC4 − Yersinia pseudotuberculosis serotype O:3
Q9HU77 − Pseudomonas aeruginosa
B7V3J9 − Pseudomonas aeruginosa
Q1I3Q5 − Pseudomonas entomophila
Q20166 − Caenorhabditis elegans
WBGene00040367
A8Y0T4 − Caenorhabditis briggsae
E3ND67 − Caenorhabditis remanei
E3NMS6 − Caenorhabditis remanei
G0PEQ1 − Caenorhabditis brenneri
H3GBX5 − Phytophthora ramorum
G4ZN95 − Phytophthora sojae
D0MR59 − Phytophthora infestans
C5LV92 − Perkinsus marinus
C5LYH6 − Perkinsus marinus
B6H020 − Penicillium chrysogenum
Q92342 − Schizosaccharomyces pombe
G8YDS4 − Pichia sorbitophila
G8YML1 − Pichia sorbitophila
C4QYP8 − Komagataella pastoris
A9SB21 − Physcomitrella patens subsp. patens
F6I1N3 − Vitis vinifera
B9RMA1 − Ricinus communis
F0LGW9 − Thermococcus barophilus
B9TD71 − Ricinus communis
Q8U0P7 − Pyrococcus furiosus
F6D7Q3 − Methanobacterium sp.
Q2NHL6 − Methanosphaera stadtmanae
D3DYL9 − Methanobrevibacter ruminantium
1
0.78
0.86
1
0.99
1
0.99
0.84
0.06
0.17
0.92
0.99
0.021
0.98
1
1
0.13
1
0.91
1
0.97
0.095
0.96
0.94
0.95
0.93
0.25

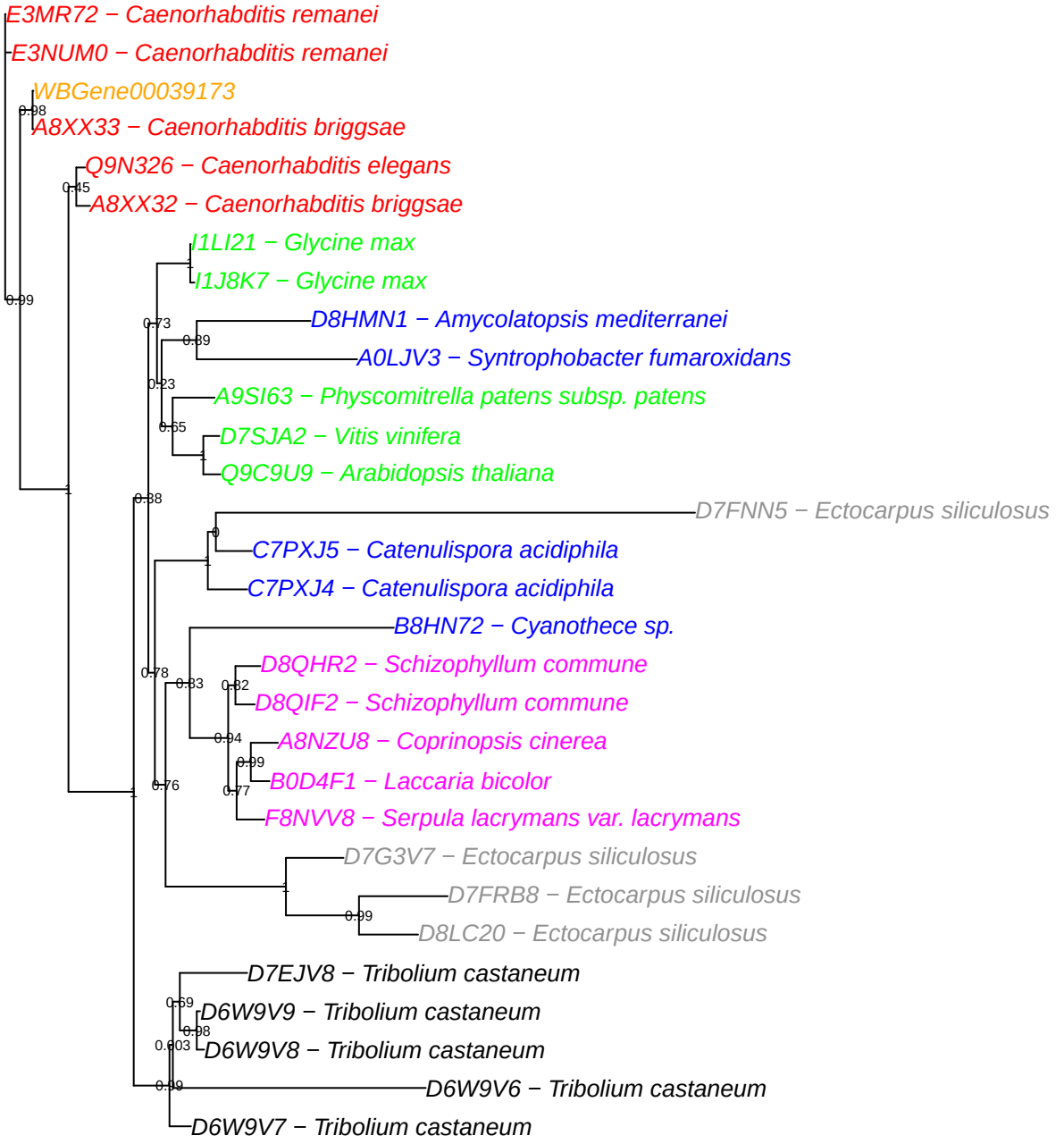

B7JLI1 − Bacillus cereus
Q6HJJ7 − Bacillus thuringiensis subsp. konkukian
C1ES89 − Bacillus cereus
Q5KZ16 − Geobacillus kaustophilus
A4YZX8 − Bradyrhizobium sp.
G3ATT9 − Spathaspora passalidarum
G8Y7C9 − Pichia sorbitophila
G3BBD7 − Candida tenuis
G4N178 − Magnaporthe oryzae
I1CP16 − Rhizopus delemar
A2GIZ8 − Trichomonas vaginalis
D2V200 − Naegleria gruberi
D2V639 − Naegleria gruberi
D2V7K0 − Naegleria gruberi
D2VXW5 − Naegleria gruberi
I1LGG2 − Glycine max
C6SZX7 − Glycine max
I1K6J6 − Glycine max
Q6JAG4 − Sorghum bicolor
I1P2W5 − Oryza glaberrima
Q7QB10 − Anopheles gambiae
Q4H1F9 − Bombyx mori
G6CW24 − Danaus plexippus
H9KAM3 − Apis mellifera
E2A7C1 − Camponotus floridanus
E3LRJ1 − Caenorhabditis remanei
WBGene00039790
A8XYV2 − Caenorhabditis briggsae
O62327 − Caenorhabditis elegans
G0MZC5 − Caenorhabditis brenneri
G0PG91 − Caenorhabditis brenneri
0.88
1
0.75
0.99
0.75
0.92
0.42
0.41
1
0.27
1
1
0.86
0.75
0.89
1
0.94
0.97
0.8
0.84
0.97
1
0.95
0.69
0.87
0.86
0.73
1
0.9

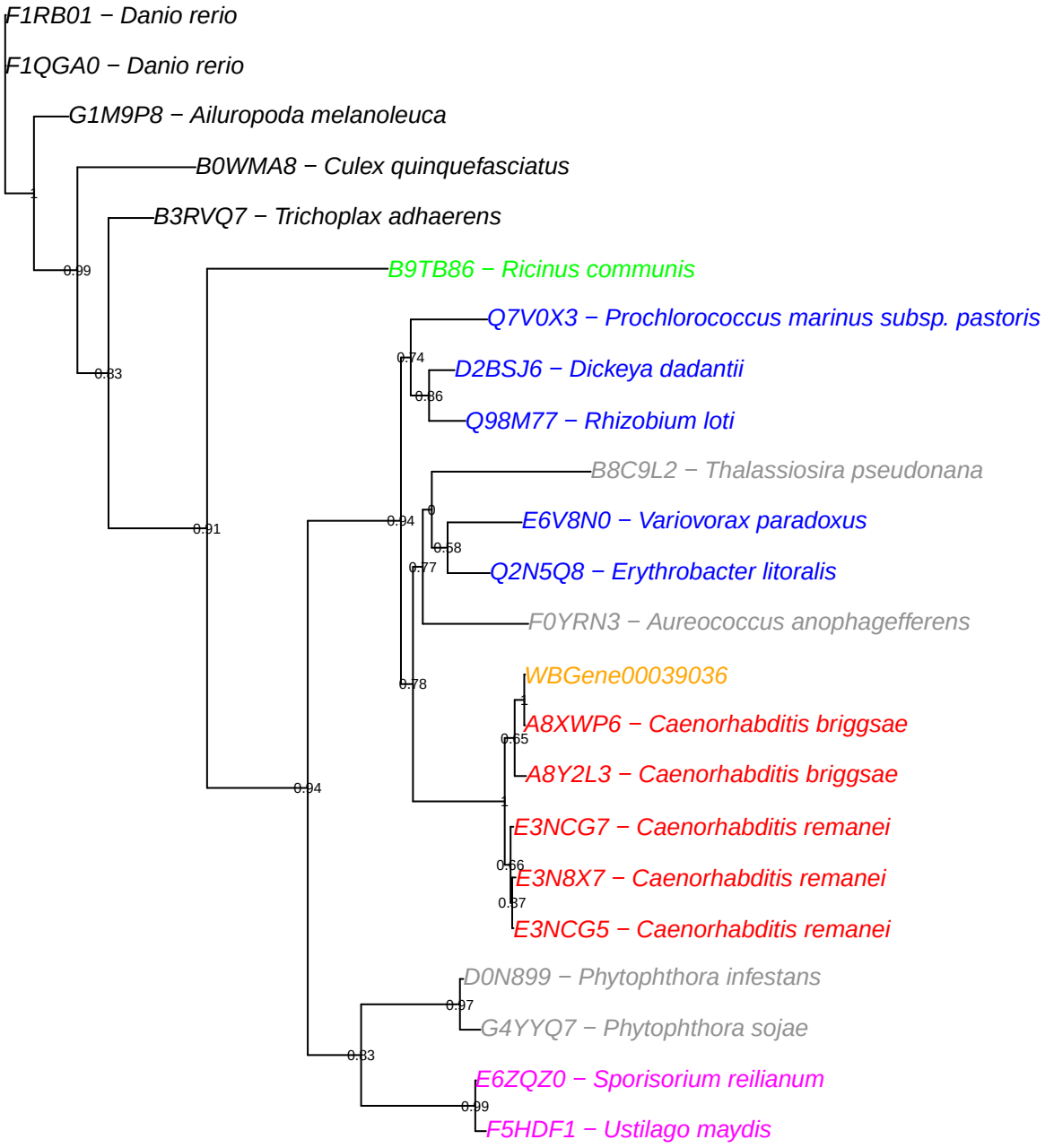

I1PH75 − Oryza glaberrima
Q6AVR6 − Oryza sativa subsp. japonica
Q9XI11 − Arabidopsis thaliana
D7KK37 − Arabidopsis lyrata subsp. lyrata
B9S2V7 − Ricinus communis
G2LH51 − Chloracidobacterium thermophilum
A4CI71 − Robiginitalea biformata
H8XVC6 − Flavobacterium indicum
G2Z7S6 − Flavobacterium branchiophilum
F8EHW2 − Runella slithyformis
WBGene00039605
A8XYB7 − Caenorhabditis briggsae
G0MQ70 − Caenorhabditis brenneri
G0P9B3 − Caenorhabditis brenneri
E3M427 − Caenorhabditis remanei
G5EER7 − Caenorhabditis elegans
B3SFL4 − Trichoplax adhaerens
C7P3U7 − Halomicrobium mukohataei
D7EBW7 − Methanohalobium evestigatum
G7XYU1 − Aspergillus kawachii
G2YM48 − Botryotinia fuckeliana
Q2TXX5 − Aspergillus oryzae
B8NXE2 − Aspergillus flavus
G3XZY4 − Aspergillus niger
Q12YU1 − Methanococcoides burtonii
Q12WU9 − Methanococcoides burtonii
Q46C20 − Methanosarcina barkeri
0.14
0.35
0.94
0.66
0.32
0.93
0.96
0.82
0.76
0.79
0.91
0.38
0.84

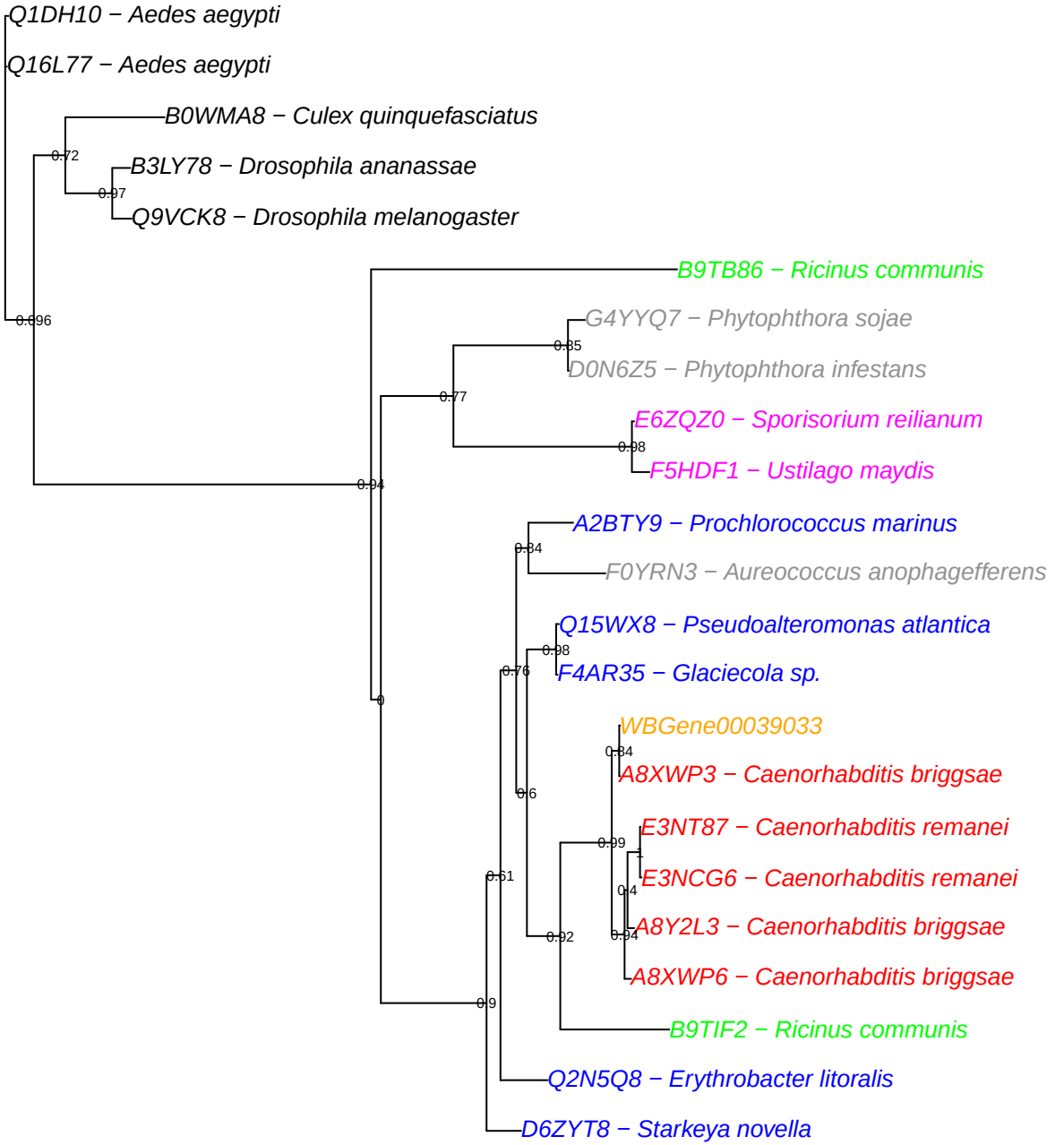

A4WI36 − Pyrobaculum arsenaticum
H6QB09 − Pyrobaculum oguniense
Q8ZXA2 − Pyrobaculum aerophilum
A1RUG0 − Pyrobaculum islandicum
A3MUE8 − Pyrobaculum calidifontis
WBGene00039574
A8XY86 − Caenorhabditis briggsae
G0MQ15 − Caenorhabditis brenneri
E3M462 − Caenorhabditis remanei
Q20264 − Caenorhabditis elegans
H2WAL4 − Caenorhabditis japonica
Q0A4V7 − Alkalilimnicola ehrlichii
B4R836 − Phenylobacterium zucineum
D3P7X5 − Azospirillum sp.
G7ZHM0 − Azospirillum lipoferum
A7HQ62 − Parvibaculum lavamentivorans
Q8H151 − Arabidopsis thaliana
D7L5L1 − Arabidopsis lyrata subsp. lyrata
I1KGM8 − Glycine max
I1KGM7 − Glycine max
I1KV61 − Glycine max
F4Q868 − Dictyostelium fasciculatum
E9BWX6 − Capsaspora owczarzaki
D5GNG4 − Tuber melanosporum
E4V3G0 − Arthroderma gypseum
F2SS46 − Trichophyton rubrum
F2RYX1 − Trichophyton tonsurans
G7DTV6 − Mixia osmundae
G4YSG1 − Phytophthora sojae
H3GUR3 − Phytophthora ramorum
D0NRD8 − Phytophthora infestans
D6WR85 − Tribolium castaneum
E0W0C8 − Pediculus humanus subsp. corporis
E9FUT1 − Daphnia pulex
H9GJM9 − Anolis carolinensis
G3GRS3 − Cricetulus griseus

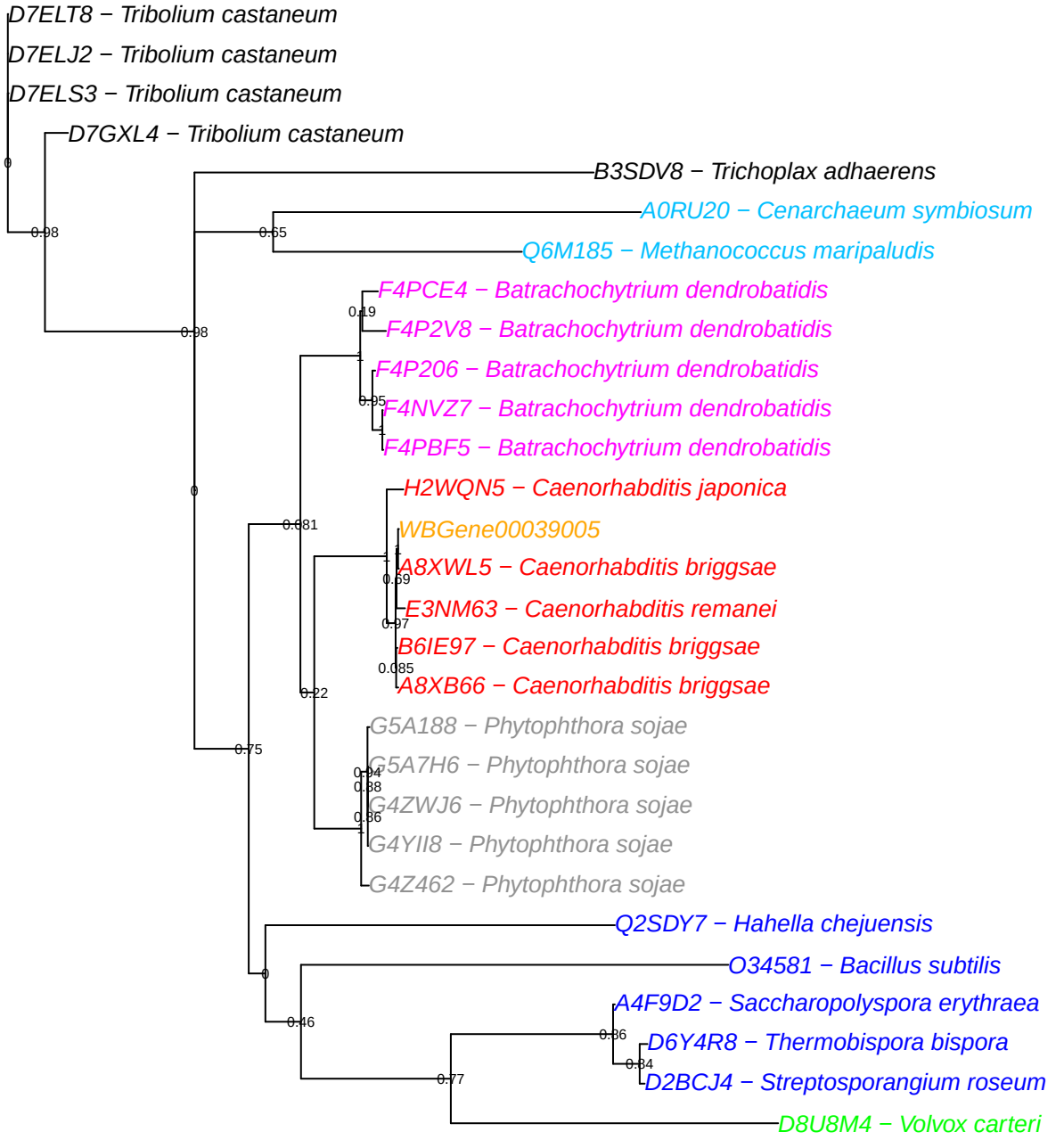

Q91YI0 − Mus musculus
F7D439 − Mus musculus
E0CXM2 − Mus musculus
A2DZN8 − Trichomonas vaginalis
A2DZZ9 − Trichomonas vaginalis
A2F0G8 − Trichomonas vaginalis
F0T848 − Methanobacterium sp.
D7E9K5 − Methanohalobium evestigatum
Q12XA6 − Methanococcoides burtonii
D5EAG5 − Methanohalophilus mahii
O29991 − Archaeoglobus fulgidus
F0Y8D0 − Aureococcus anophagefferens
WBGene00039534
A8XY46 − Caenorhabditis briggsae
G0MTN0 − Caenorhabditis brenneri
Q23090 − Caenorhabditis elegans
E3LKD0 − Caenorhabditis remanei
E3LKC9 − Caenorhabditis remanei
E3QHQ0 − Colletotrichum graminicola
B6H5T7 − Penicillium chrysogenum
A1D2J8 − Neosartorya fischeri
B0XQZ3 − Neosartorya fumigata
E9R052 − Neosartorya fumigata
B7I9F7 − Acinetobacter baumannii
B2HWF3 − Acinetobacter baumannii
E8PG57 − Acinetobacter baumannii
F0QIM1 − Acinetobacter baumannii
B0VKW3 − Acinetobacter baumannii
D2VZI9 − Naegleria gruberi
Q8GYB8 − Arabidopsis thaliana
F6I452 − Vitis vinifera
0.77
0.38
0.81
0.803
0.94
0.68
0.628
0.87
0.91
0.72
0.84
0.6

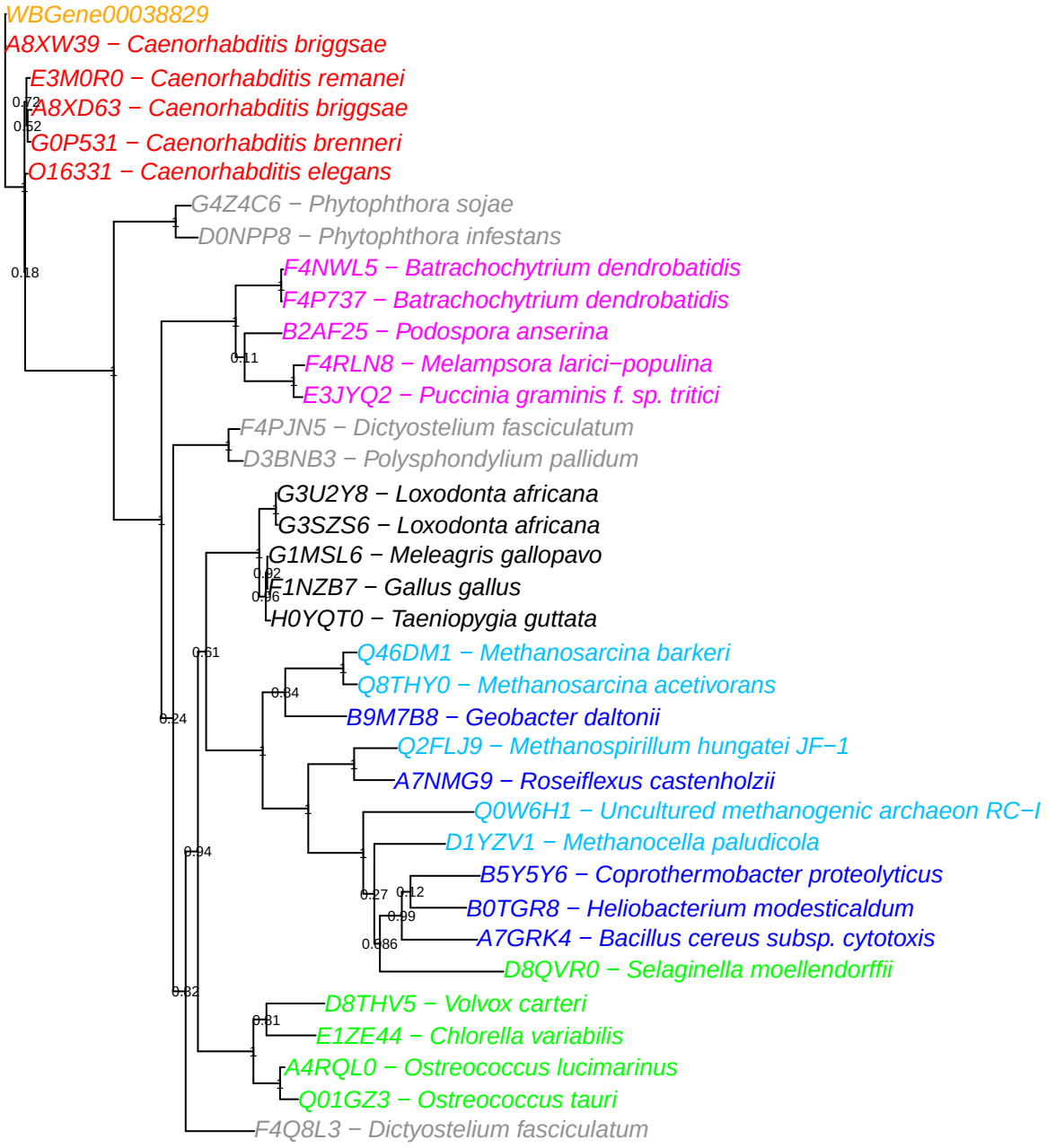

Q1LY18 − Danio rerio
E7F6R4 − Danio rerio
F8P1M2 − Serpula lacrymans var. lacrymans
F8Q2P8 − Serpula lacrymans var. lacrymans
A0B746 − Methanosaeta thermophila
Q12WE7 − Methanococcoides burtonii
F7XM52 − Methanosalsum zhilinae
D7E6G5 − Methanohalobium evestigatum
F7UTR7 − Synechocystis sp.
F0YF77 − Aureococcus anophagefferens
D8GP21 − Clostridium ljungdahlii
B9E042 − Clostridium kluyveri
A5N6M3 − Clostridium kluyveri
C1FVT9 − Clostridium botulinum
Q6L0S6 − Picrophilus torridus
H2SVZ5 − Takifugu rubripes
Q6P4M6 − Xenopus tropicalis
G3HYG7 − Cricetulus griseus
D7KNM2 − Arabidopsis lyrata subsp. lyrata
D7TNL0 − Vitis vinifera
B9S2J6 − Ricinus communis
A9SBM8 − Physcomitrella patens subsp. patens
D8RSA4 − Selaginella moellendorffii
G0MBQ9 − Caenorhabditis brenneri
E3N6L2 − Caenorhabditis remanei
WBGene00039219
A8XX99 − Caenorhabditis briggsae
Q22028 − Caenorhabditis elegans
C1P627 − Caenorhabditis elegans
G4YJL4 − Phytophthora sojae
H3GKQ1 − Phytophthora ramorum
D0NYW8 − Phytophthora infestans
D8LLG4 − Ectocarpus siliculosus
B9WIL9 − Candida dubliniensis
Q5A4K3 − Candida albicans
C5M8X0 − Candida tropicalis

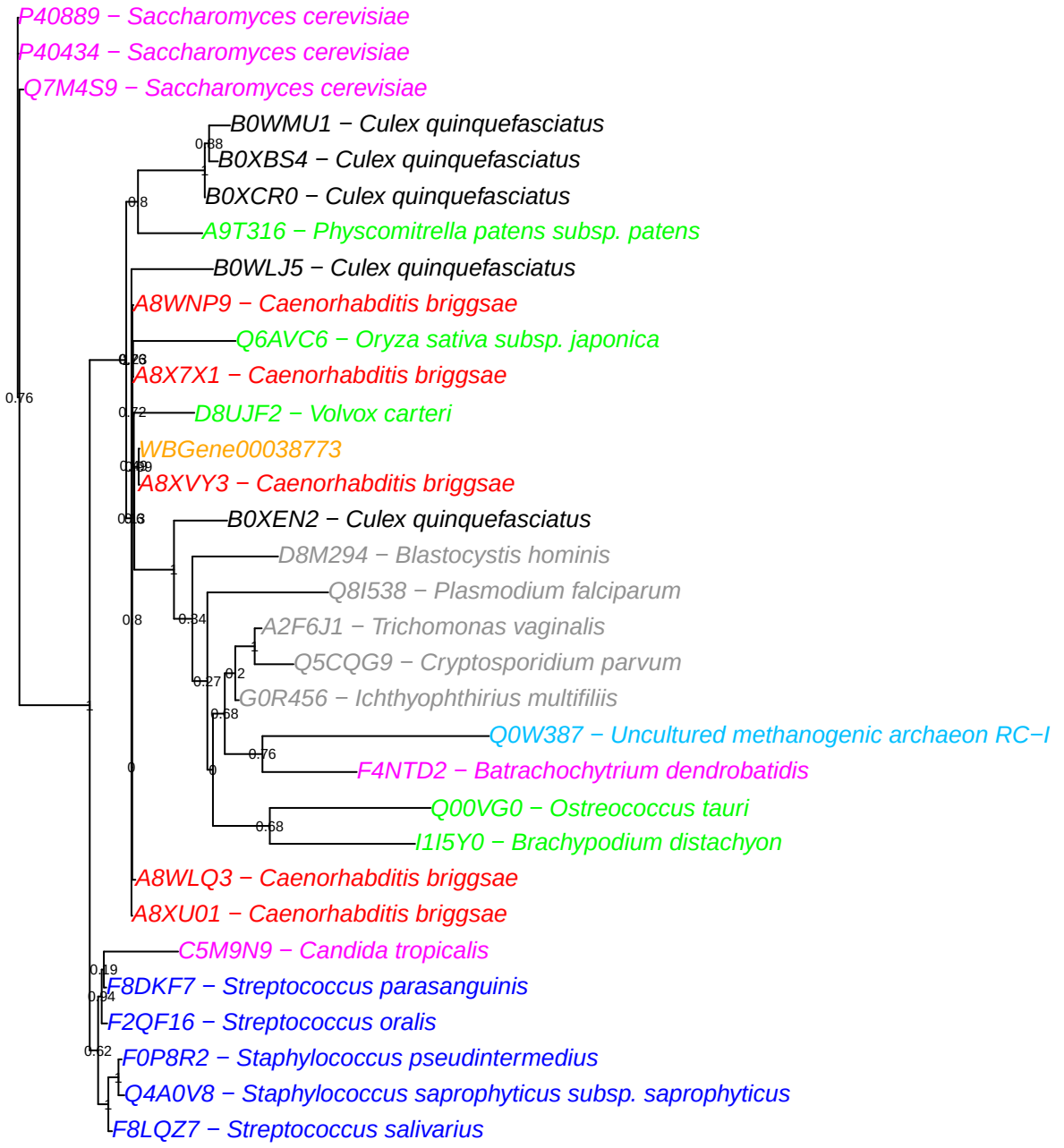

E3MR72 − Caenorhabditis remanei
E3NUM0 − Caenorhabditis remanei
WBGene00039173
A8XX33 − Caenorhabditis briggsae
Q9N326 − Caenorhabditis elegans
A8XX32 − Caenorhabditis briggsae
I1LI21 − Glycine max
I1J8K7 − Glycine max
D8HMN1 − Amycolatopsis mediterranei
A0LJV3 − Syntrophobacter fumaroxidans
A9SI63 − Physcomitrella patens subsp. patens
D7SJA2 − Vitis vinifera
Q9C9U9 − Arabidopsis thaliana
D7FNN5 − Ectocarpus siliculosus
C7PXJ5 − Catenulispora acidiphila
C7PXJ4 − Catenulispora acidiphila
B8HN72 − Cyanothece sp.
D8QHR2 − Schizophyllum commune
D8QIF2 − Schizophyllum commune
A8NZU8 − Coprinopsis cinerea
B0D4F1 − Laccaria bicolor
F8NVV8 − Serpula lacrymans var. lacrymans
D7G3V7 − Ectocarpus siliculosus
D7FRB8 − Ectocarpus siliculosus
D8LC20 − Ectocarpus siliculosus
D7EJV8 − Tribolium castaneum
D6W9V9 − Tribolium castaneum
D6W9V8 − Tribolium castaneum
D6W9V6 − Tribolium castaneum
D6W9V7 − Tribolium castaneum
0.98
0.45
0.99
0.73
0.89
0.23
0.65
0.88
0
0.78
0.83
0.82
0.94
0.99
0.76
0.77
0.99
0.69
0.98
0.903
0.99

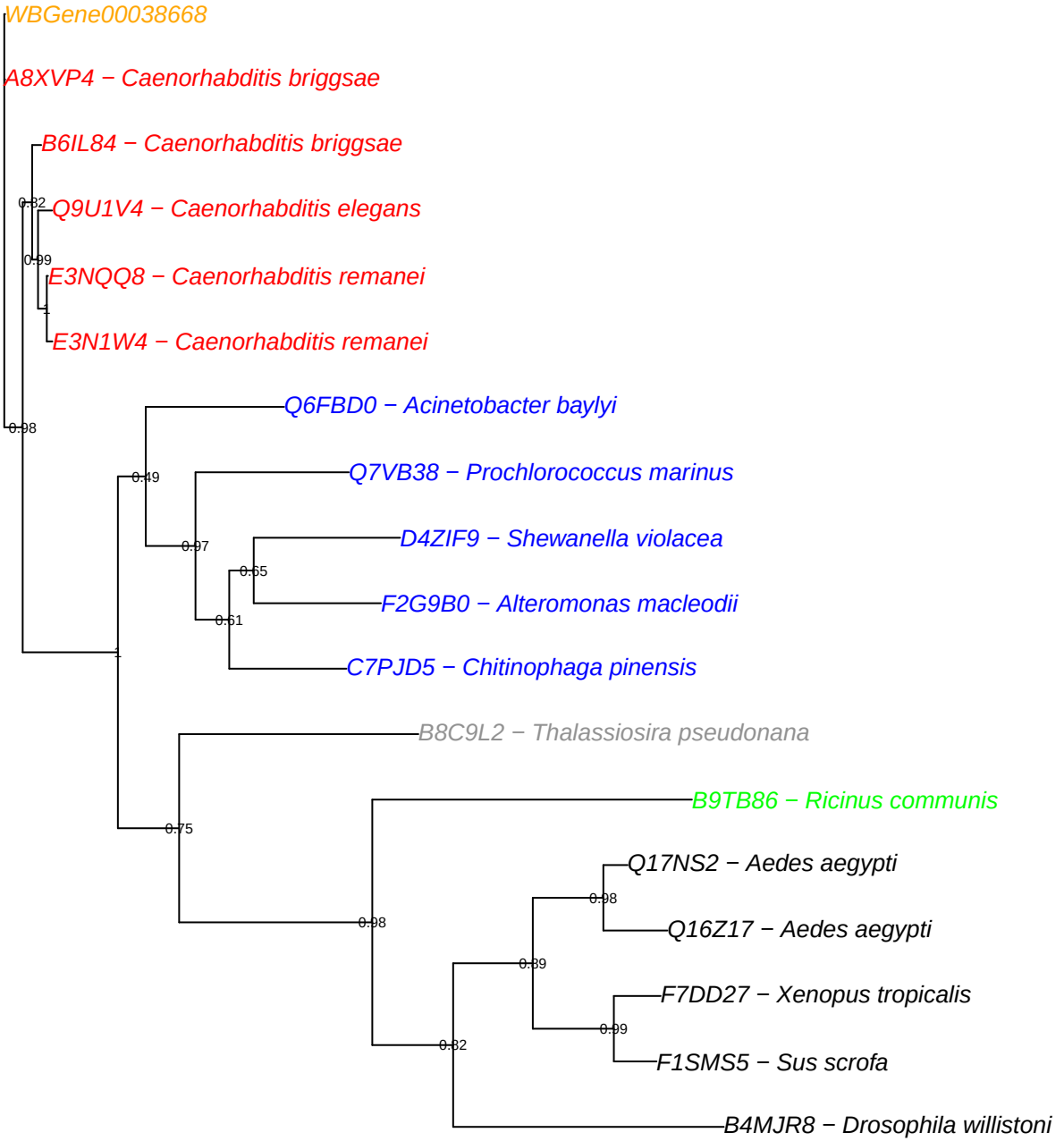

F1RB01 − Danio rerio
F1QGA0 − Danio rerio
G1M9P8 − Ailuropoda melanoleuca
B0WMA8 − Culex quinquefasciatus
B3RVQ7 − Trichoplax adhaerens
B9TB86 − Ricinus communis
Q7V0X3 − Prochlorococcus marinus subsp. pastoris
D2BSJ6 − Dickeya dadantii
Q98M77 − Rhizobium loti
B8C9L2 − Thalassiosira pseudonana
E6V8N0 − Variovorax paradoxus
Q2N5Q8 − Erythrobacter litoralis
F0YRN3 − Aureococcus anophagefferens
WBGene00039036
A8XWP6 − Caenorhabditis briggsae
A8Y2L3 − Caenorhabditis briggsae
E3NCG7 − Caenorhabditis remanei
E3N8X7 − Caenorhabditis remanei
E3NCG5 − Caenorhabditis remanei
D0N899 − Phytophthora infestans
G4YYQ7 − Phytophthora sojae
E6ZQZ0 − Sporisorium reilianum
F5HDF1 − Ustilago maydis
1
0.99
0.83
0.91
0.74
0.86
0
0.58
0.94
0.77
0.78
1
0.65
1
0.94
0.66
0.87
0.97
0.83
0.99

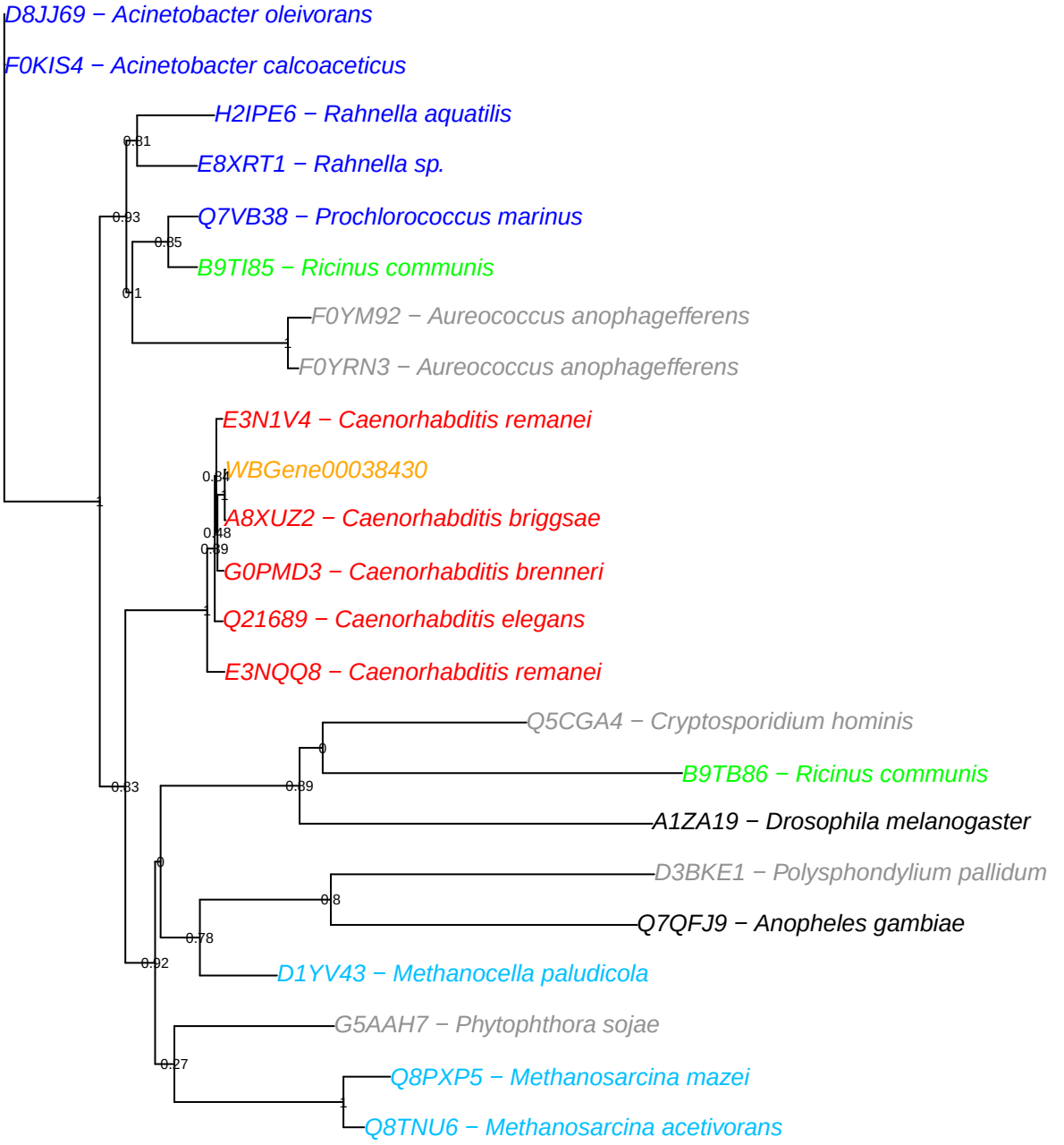

Q1DH10 − Aedes aegypti
Q16L77 − Aedes aegypti
B0WMA8 − Culex quinquefasciatus
B3LY78 − Drosophila ananassae
Q9VCK8 − Drosophila melanogaster
B9TB86 − Ricinus communis
G4YYQ7 − Phytophthora sojae
D0N6Z5 − Phytophthora infestans
E6ZQZ0 − Sporisorium reilianum
F5HDF1 − Ustilago maydis
A2BTY9 − Prochlorococcus marinus
F0YRN3 − Aureococcus anophagefferens
Q15WX8 − Pseudoalteromonas atlantica
F4AR35 − Glaciecola sp.
WBGene00039033
A8XWP3 − Caenorhabditis briggsae
E3NT87 − Caenorhabditis remanei
E3NCG6 − Caenorhabditis remanei
A8Y2L3 − Caenorhabditis briggsae
A8XWP6 − Caenorhabditis briggsae
B9TIF2 − Ricinus communis
Q2N5Q8 − Erythrobacter litoralis
D6ZYT8 − Starkeya novella
0.72
0.97
0.696
0.85
0.77
0.98
0.94
0.84
0.98
0.76
0
0.84
0.6
0.99
0.4
0.61
0.92
0.84
0.9

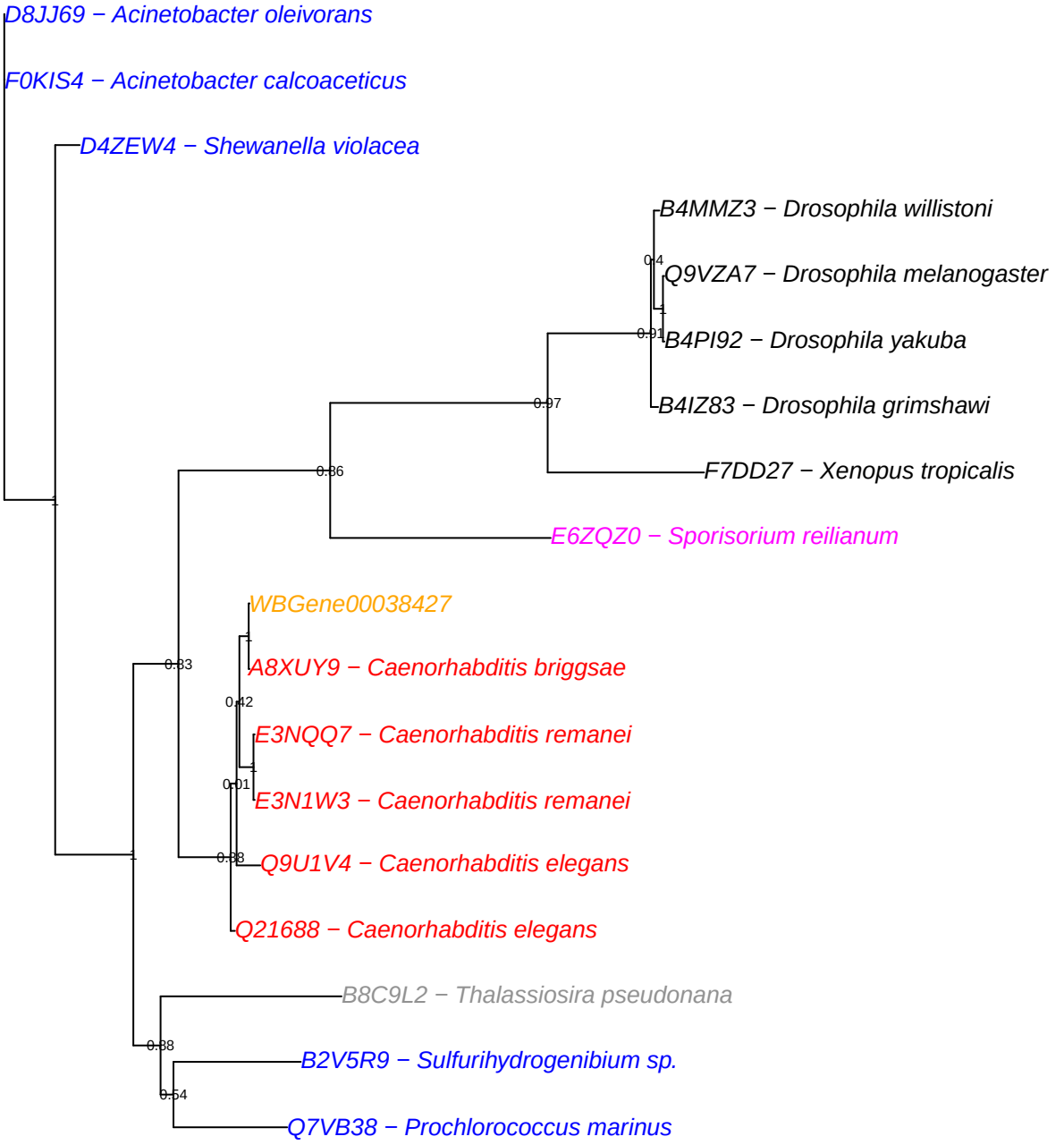

D7ELT8 − Tribolium castaneum
D7ELJ2 − Tribolium castaneum
D7ELS3 − Tribolium castaneum
D7GXL4 − Tribolium castaneum
B3SDV8 − Trichoplax adhaerens
A0RU20 − Cenarchaeum symbiosum
Q6M185 − Methanococcus maripaludis
F4PCE4 − Batrachochytrium dendrobatidis
F4P2V8 − Batrachochytrium dendrobatidis
F4P206 − Batrachochytrium dendrobatidis
F4NVZ7 − Batrachochytrium dendrobatidis
F4PBF5 − Batrachochytrium dendrobatidis
H2WQN5 − Caenorhabditis japonica
WBGene00039005
A8XWL5 − Caenorhabditis briggsae
E3NM63 − Caenorhabditis remanei
B6IE97 − Caenorhabditis briggsae
A8XB66 − Caenorhabditis briggsae
G5A188 − Phytophthora sojae
G5A7H6 − Phytophthora sojae
G4ZWJ6 − Phytophthora sojae
G4YII8 − Phytophthora sojae
G4Z462 − Phytophthora sojae
Q2SDY7 − Hahella chejuensis
O34581 − Bacillus subtilis
A4F9D2 − Saccharopolyspora erythraea
D6Y4R8 − Thermobispora bispora
D2BCJ4 − Streptosporangium roseum
D8U8M4 − Volvox carteri
0
0.98
0.65
0.98
0.19
1
0.95
1
0
0.081
1
1
0.69
0.97
0.085
0.22
0.75
0.94
0.88
0.86
1
0
0.46
0.86
0.84
0.77

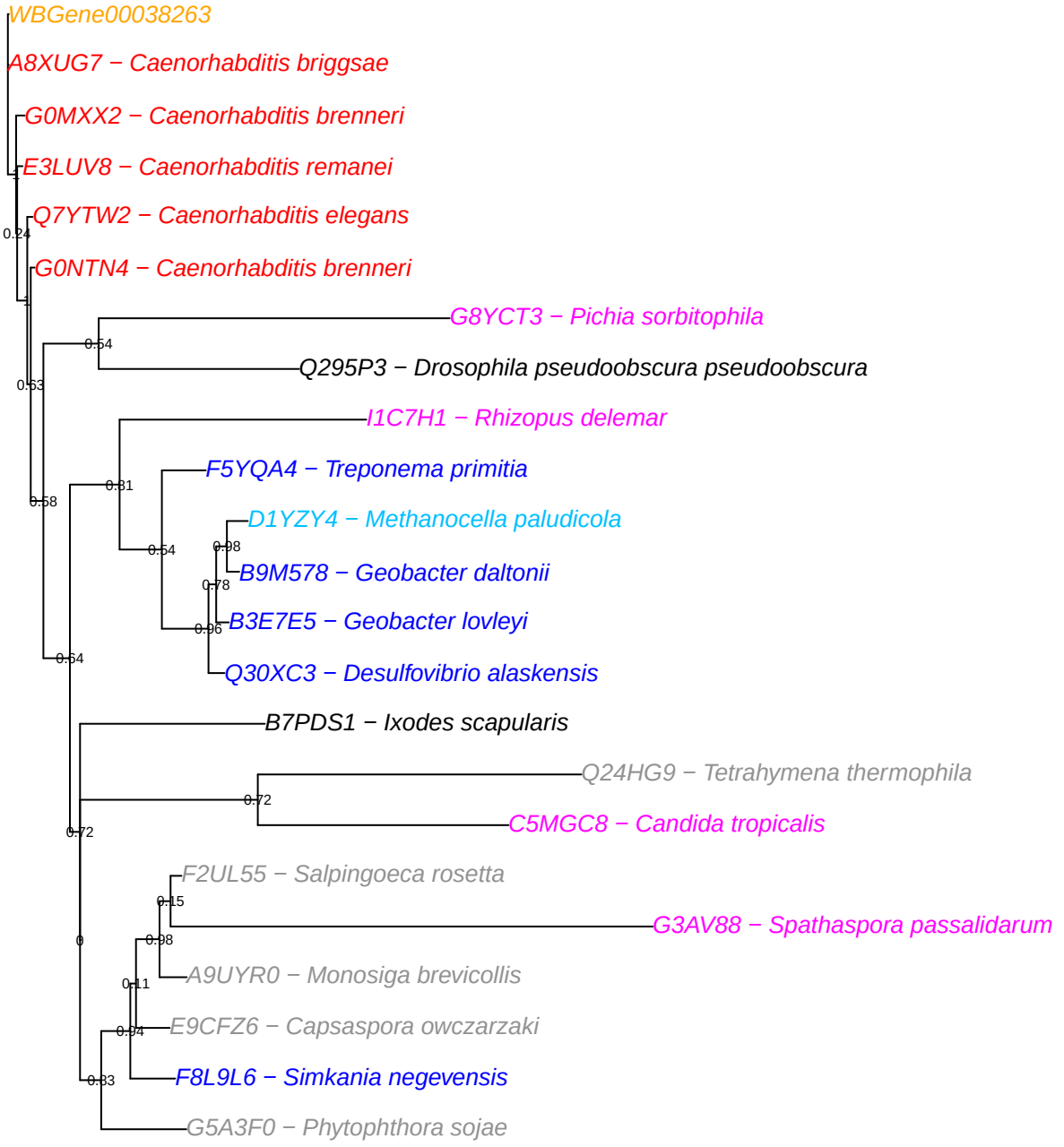

WBGene00038829
A8XW39 − Caenorhabditis briggsae
E3M0R0 − Caenorhabditis remanei
A8XD63 − Caenorhabditis briggsae
G0P531 − Caenorhabditis brenneri
O16331 − Caenorhabditis elegans
G4Z4C6 − Phytophthora sojae
D0NPP8 − Phytophthora infestans
F4NWL5 − Batrachochytrium dendrobatidis
F4P737 − Batrachochytrium dendrobatidis
B2AF25 − Podospora anserina
F4RLN8 − Melampsora larici−populina
E3JYQ2 − Puccinia graminis f. sp. tritici
F4PJN5 − Dictyostelium fasciculatum
D3BNB3 − Polysphondylium pallidum
G3U2Y8 − Loxodonta africana
G3SZS6 − Loxodonta africana
G1MSL6 − Meleagris gallopavo
F1NZB7 − Gallus gallus
H0YQT0 − Taeniopygia guttata
Q46DM1 − Methanosarcina barkeri
Q8THY0 − Methanosarcina acetivorans
B9M7B8 − Geobacter daltonii
Q2FLJ9 − Methanospirillum hungatei JF−1
A7NMG9 − Roseiflexus castenholzii
Q0W6H1 − Uncultured methanogenic archaeon RC−I
D1YZV1 − Methanocella paludicola
B5Y5Y6 − Coprothermobacter proteolyticus
B0TGR8 − Heliobacterium modesticaldum
A7GRK4 − Bacillus cereus subsp. cytotoxis
D8QVR0 − Selaginella moellendorffii
D8THV5 − Volvox carteri
E1ZE44 − Chlorella variabilis
A4RQL0 − Ostreococcus lucimarinus
Q01GZ3 − Ostreococcus tauri
F4Q8L3 − Dictyostelium fasciculatum
0.72
0.52
0.18
0.11
0.92
0.96
0.61
0.84
0.24
0.94
0.27
0.12
0.99
0.886
0.82
0.81

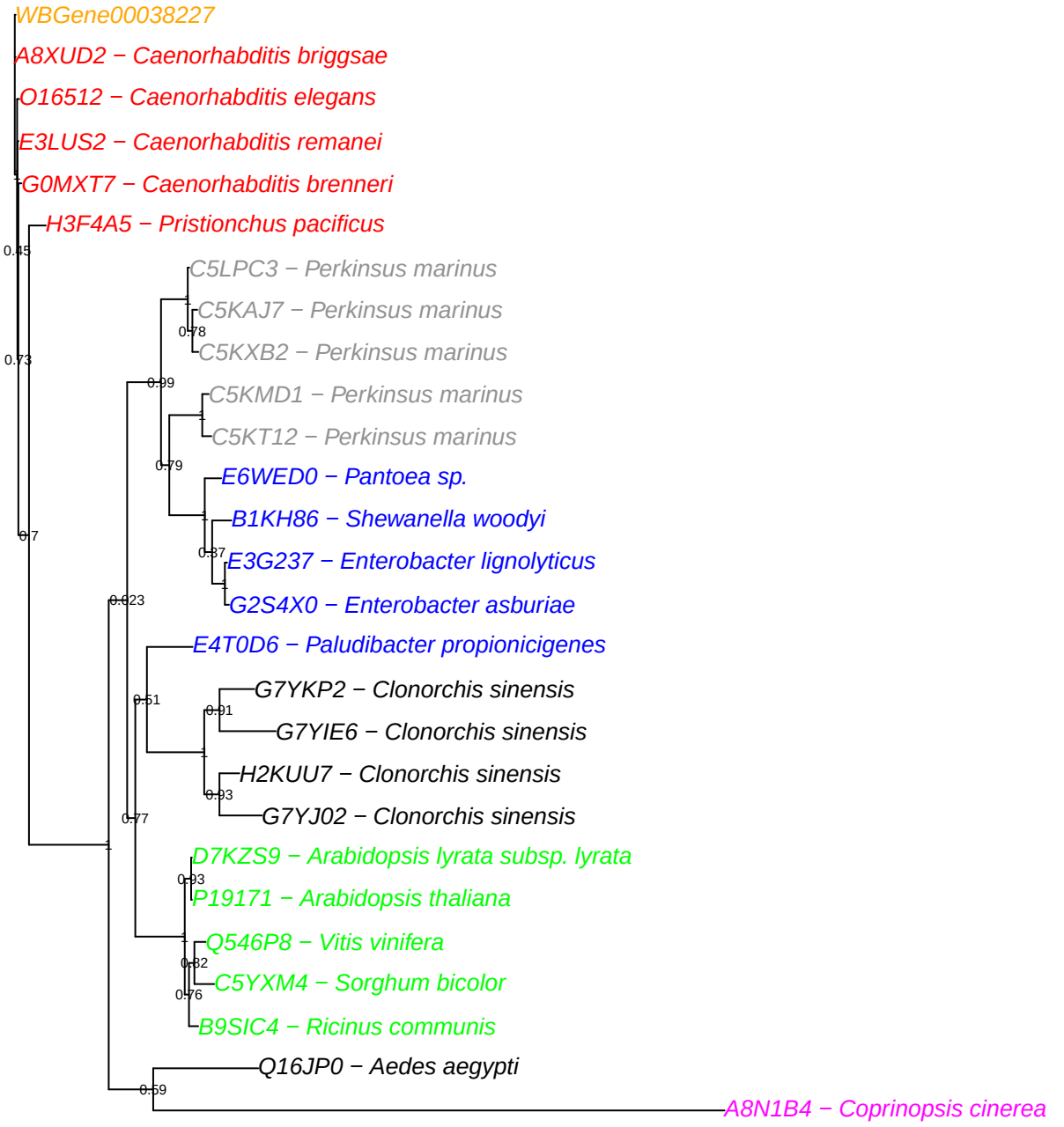

P40889 − Saccharomyces cerevisiae
P40434 − Saccharomyces cerevisiae
Q7M4S9 − Saccharomyces cerevisiae
B0WMU1 − Culex quinquefasciatus
B0XBS4 − Culex quinquefasciatus
B0XCR0 − Culex quinquefasciatus
A9T316 − Physcomitrella patens subsp. patens
B0WLJ5 − Culex quinquefasciatus
A8WNP9 − Caenorhabditis briggsae
Q6AVC6 − Oryza sativa subsp. japonica
A8X7X1 − Caenorhabditis briggsae
D8UJF2 − Volvox carteri
WBGene00038773
A8XVY3 − Caenorhabditis briggsae
B0XEN2 − Culex quinquefasciatus
D8M294 − Blastocystis hominis
Q8I538 − Plasmodium falciparum
A2F6J1 − Trichomonas vaginalis
Q5CQG9 − Cryptosporidium parvum
G0R456 − Ichthyophthirius multifiliis
Q0W387 − Uncultured methanogenic archaeon RC−I
F4NTD2 − Batrachochytrium dendrobatidis
Q00VG0 − Ostreococcus tauri
I1I5Y0 − Brachypodium distachyon
A8WLQ3 − Caenorhabditis briggsae
A8XU01 − Caenorhabditis briggsae
C5M9N9 − Candida tropicalis
F8DKF7 − Streptococcus parasanguinis
F2QF16 − Streptococcus oralis
F0P8R2 − Staphylococcus pseudintermedius
Q4A0V8 − Staphylococcus saprophyticus subsp. saprophyticus
F8LQZ7 − Streptococcus salivarius

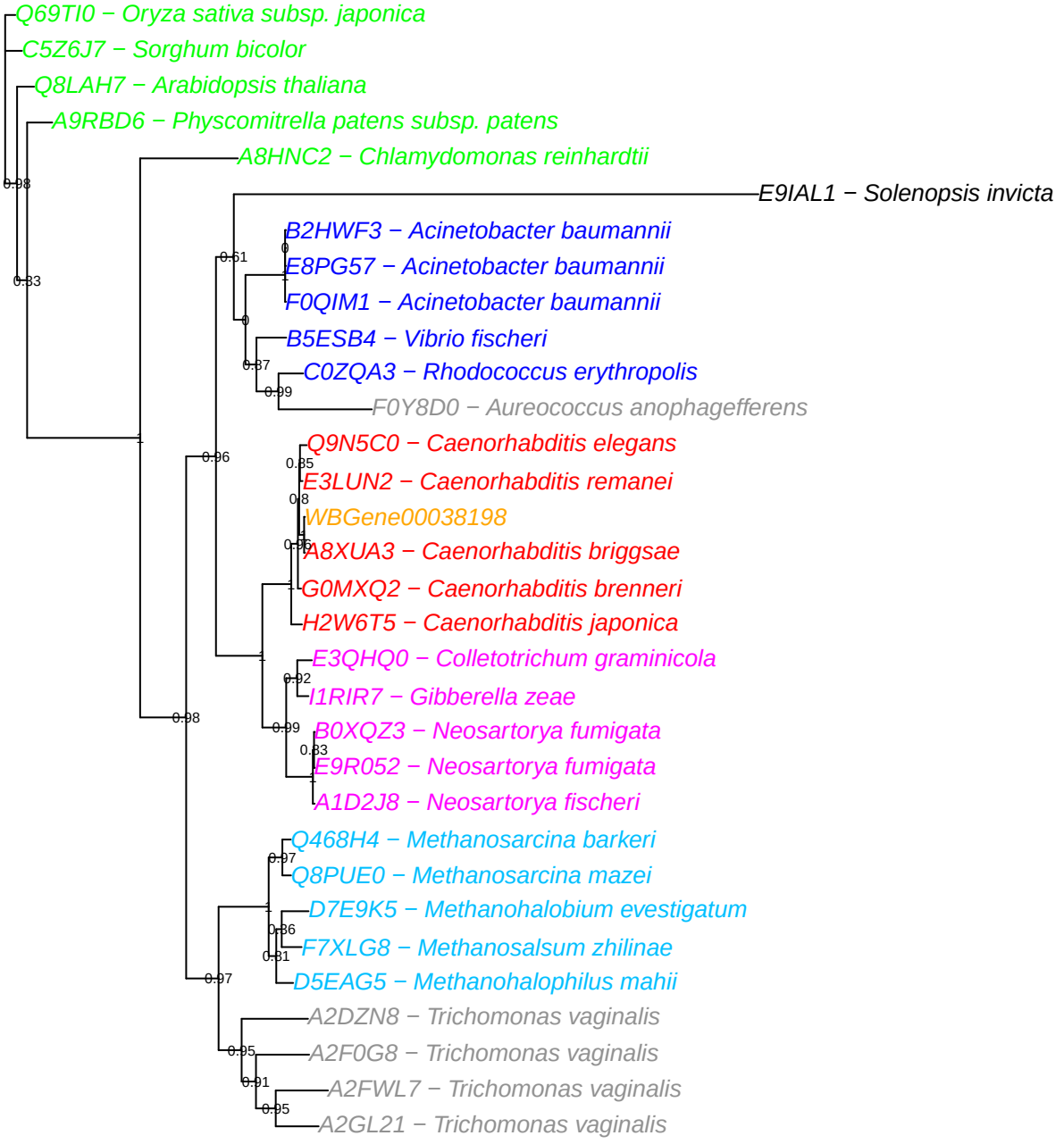

WBGene00038668
A8XVP4 − Caenorhabditis briggsae
B6IL84 − Caenorhabditis briggsae
0.82
Q9U1V4 − Caenorhabditis elegans
0.99
E3NQQ8 − Caenorhabditis remanei
1
E3N1W4 − Caenorhabditis remanei
Q6FBD0 − Acinetobacter baylyi
0.98
0.49
Q7VB38 − Prochlorococcus marinus
0.97
D4ZIF9 − Shewanella violacea
0.65
F2G9B0 − Alteromonas macleodii
0.51
1
C7PJD5 − Chitinophaga pinensis
B8C9L2 − Thalassiosira pseudonana
B9TB86 − Ricinus communis
0.75
Q17NS2 − Aedes aegypti
0.98
0.98
Q16Z17 − Aedes aegypti
0.89
F7DD27 − Xenopus tropicalis
0.99
0.82
F1SMS5 − Sus scrofa
B4MJR8 − Drosophila willistoni

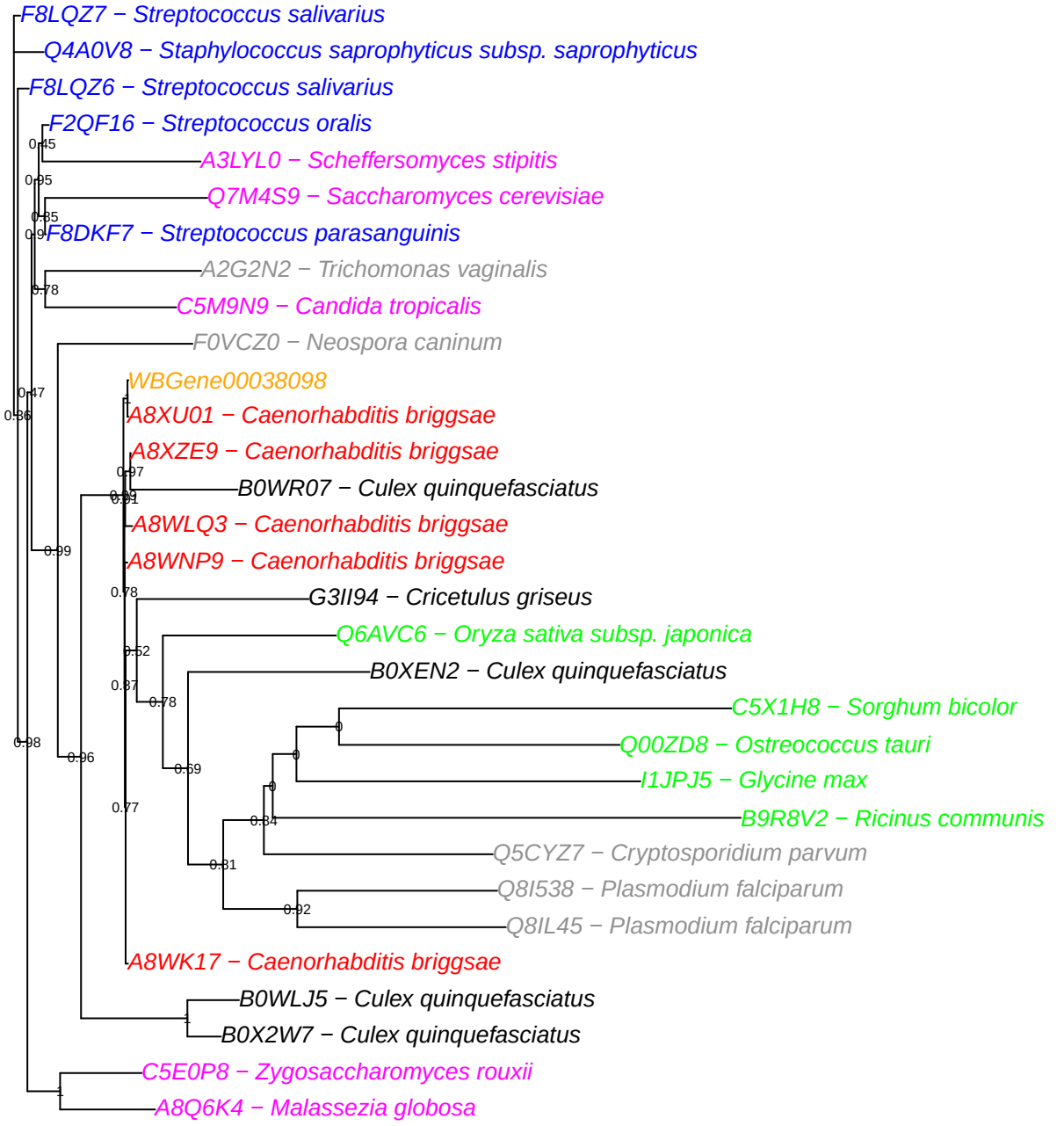

D8JJ69 − Acinetobacter oleivorans
F0KIS4 − Acinetobacter calcoaceticus
H2IPE6 − Rahnella aquatilis
0.81
E8XRT1 − Rahnella sp.
0.93
Q7VB38 − Prochlorococcus marinus
0.85
B9TI85 − Ricinus communis
0.1
F0YM92 − Aureococcus anophagefferens
1
F0YRN3 − Aureococcus anophagefferens
E3N1V4 − Caenorhabditis remanei
0.84
WBGene00038430
1
A8XUZ2 − Caenorhabditis briggsae
0.48
0.89
G0PMD3 − Caenorhabditis brenneri
1
Q21689 − Caenorhabditis elegans
E3NQQ8 − Caenorhabditis remanei
1
Q5CGA4 − Cryptosporidium hominis
0
B9TB86 − Ricinus communis
0.83
0.89
A1ZA19 − Drosophila melanogaster
0
D3BKE1 − Polysphondylium pallidum
0.8
Q7QFJ9 − Anopheles gambiae
0.78
0.92
D1YV43 − Methanocella paludicola
G5AAH7 − Phytophthora sojae
0.27
Q8PXP5 − Methanosarcina mazei
1
Q8TNU6 − Methanosarcina acetivorans

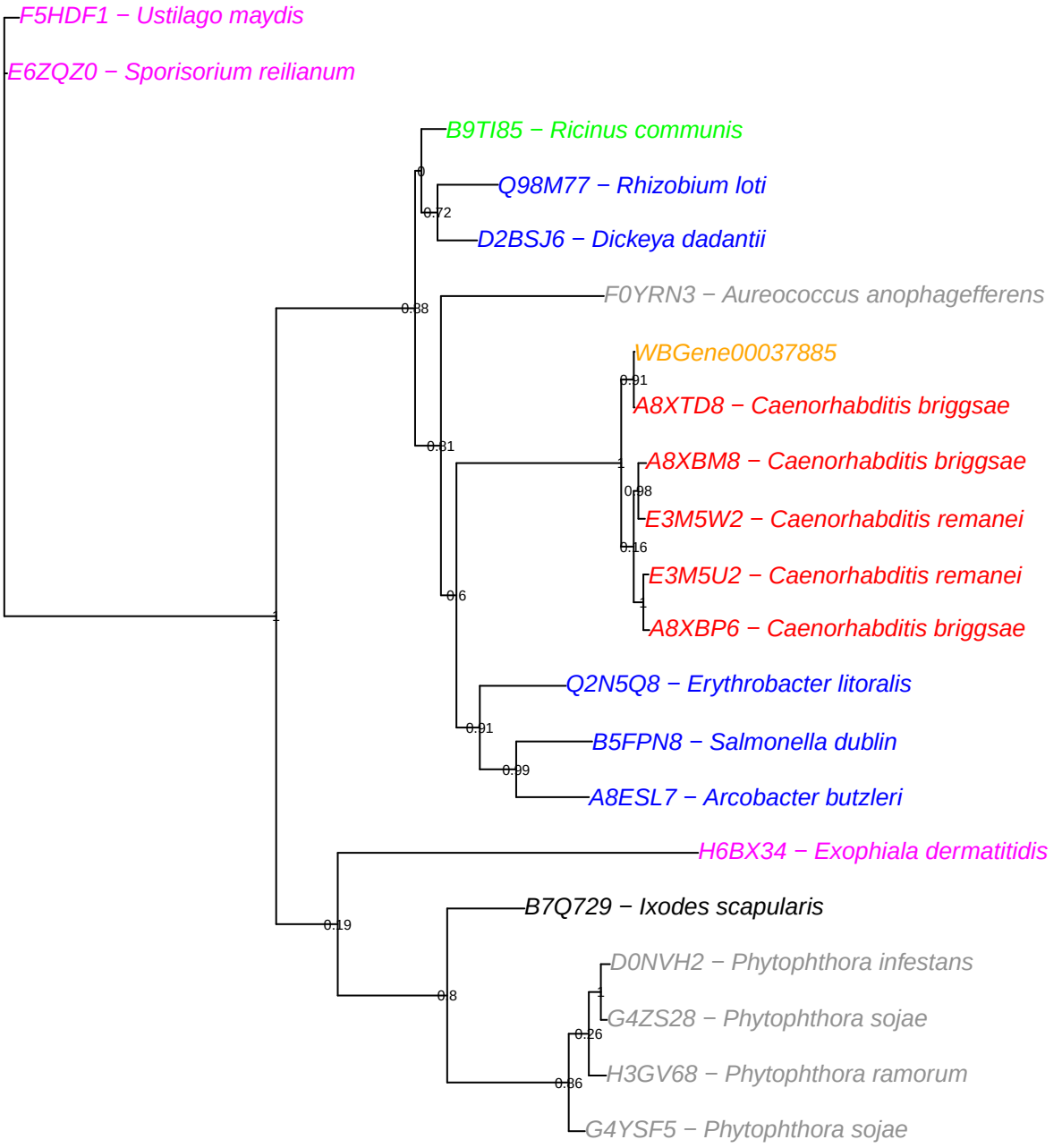

D8JJ69 − Acinetobacter oleivorans
F0KIS4 − Acinetobacter calcoaceticus
D4ZEW4 − Shewanella violacea
B4MMZ3 − Drosophila willistoni
Q9VZA7 − Drosophila melanogaster
B4PI92 − Drosophila yakuba
B4IZ83 − Drosophila grimshawi
F7DD27 − Xenopus tropicalis
E6ZQZ0 − Sporisorium reilianum
WBGene00038427
A8XUY9 − Caenorhabditis briggsae
E3NQQ7 − Caenorhabditis remanei
E3N1W3 − Caenorhabditis remanei
Q9U1V4 − Caenorhabditis elegans
Q21688 − Caenorhabditis elegans
B8C9L2 − Thalassiosira pseudonana
B2V5R9 − Sulfurihydrogenibium sp.
Q7VB38 − Prochlorococcus marinus
0.97
0.86
0.83
0.42
0.01
0.88
0.88
0.54

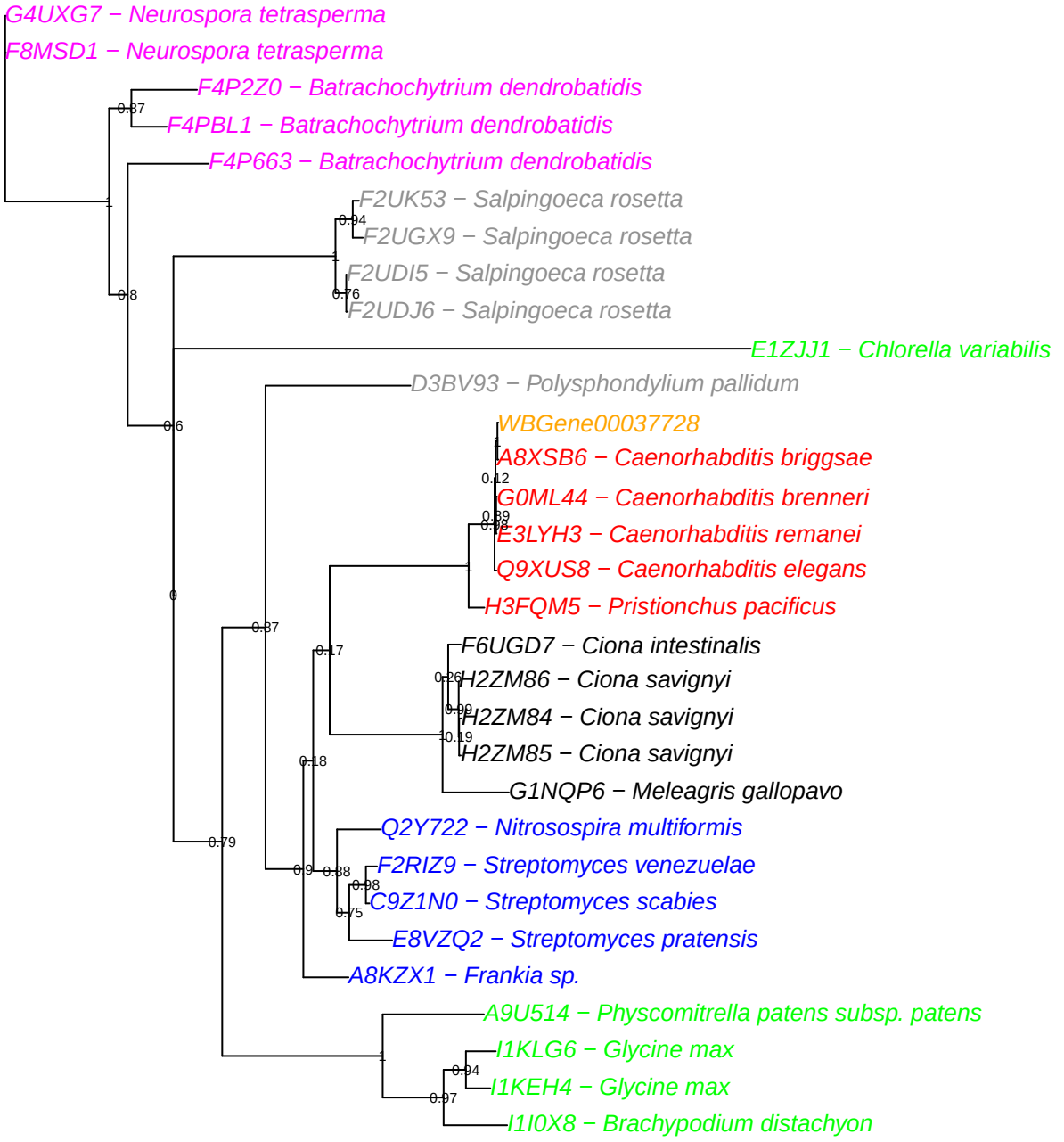

WBGene00038263
A8XUG7 − Caenorhabditis briggsae
G0MXX2 − Caenorhabditis brenneri
E3LUV8 − Caenorhabditis remanei
Q7YTW2 − Caenorhabditis elegans
G0NTN4 − Caenorhabditis brenneri
G8YCT3 − Pichia sorbitophila
Q295P3 − Drosophila pseudoobscura pseudoobscura
I1C7H1 − Rhizopus delemar
F5YQA4 − Treponema primitia
D1YZY4 − Methanocella paludicola
B9M578 − Geobacter daltonii
B3E7E5 − Geobacter lovleyi
Q30XC3 − Desulfovibrio alaskensis
B7PDS1 − Ixodes scapularis
Q24HG9 − Tetrahymena thermophila
C5MGC8 − Candida tropicalis
F2UL55 − Salpingoeca rosetta
G3AV88 − Spathaspora passalidarum
A9UYR0 − Monosiga brevicollis
E9CFZ6 − Capsaspora owczarzaki
F8L9L6 − Simkania negevensis
G5A3F0 − Phytophthora sojae
0.24
0.54
0.53
0.81
0.58
0.54
0.98
0.78
0.96
0.64
0.72
0.72
0.15
0
0.98
0.11
0.94
0.83

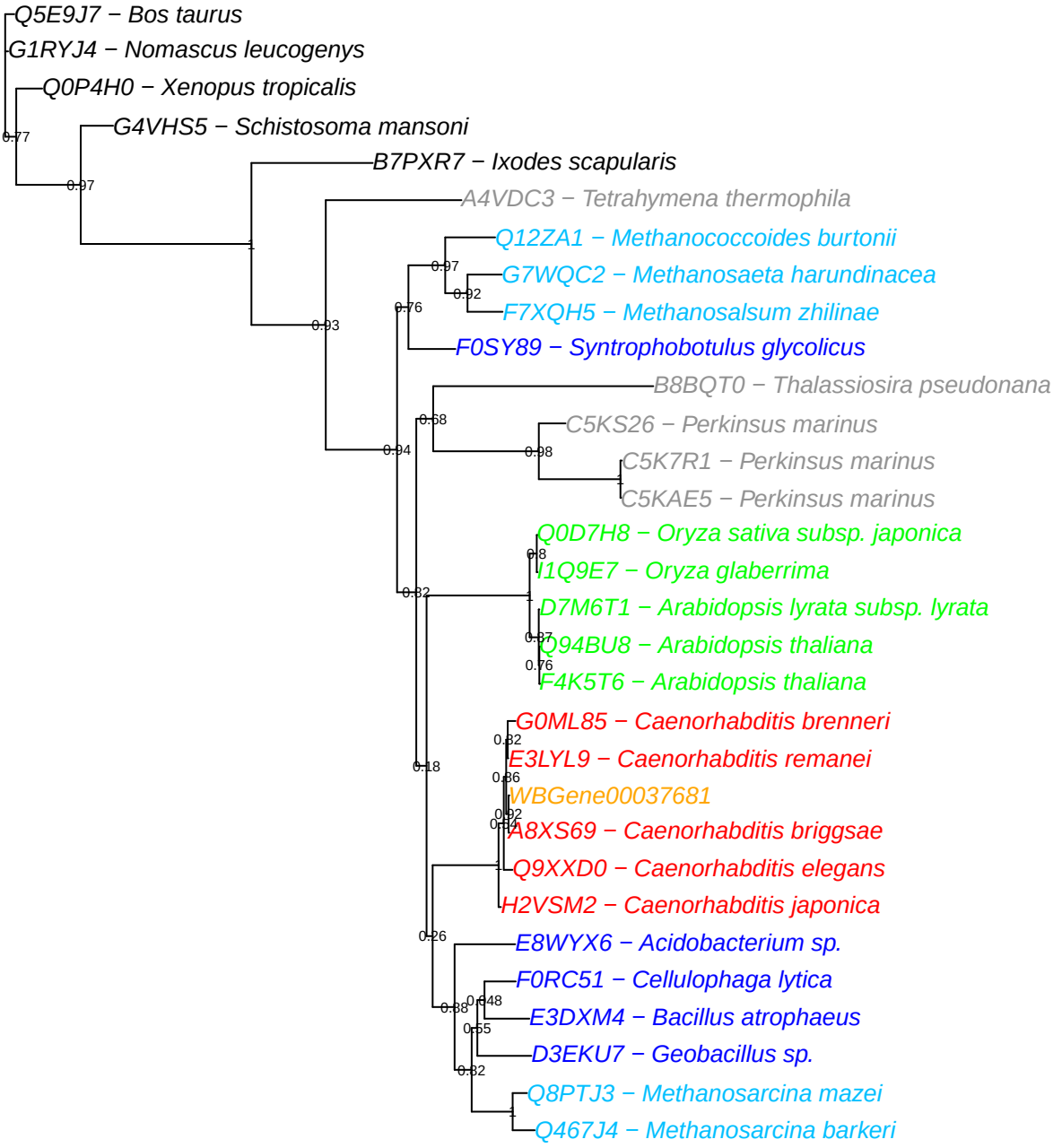

WBGene00038227
A8XUD2 − Caenorhabditis briggsae
O16512 − Caenorhabditis elegans
E3LUS2 − Caenorhabditis remanei
G0MXT7 − Caenorhabditis brenneri
H3F4A5 − Pristionchus pacificus
C5LPC3 − Perkinsus marinus
C5KAJ7 − Perkinsus marinus
C5KXB2 − Perkinsus marinus
C5KMD1 − Perkinsus marinus
C5KT12 − Perkinsus marinus
E6WED0 − Pantoea sp.
B1KH86 − Shewanella woodyi
E3G237 − Enterobacter lignolyticus
G2S4X0 − Enterobacter asburiae
E4T0D6 − Paludibacter propionicigenes
G7YKP2 − Clonorchis sinensis
G7YIE6 − Clonorchis sinensis
H2KUU7 − Clonorchis sinensis
G7YJ02 − Clonorchis sinensis
D7KZS9 − Arabidopsis lyrata subsp. lyrata
P19171 − Arabidopsis thaliana
Q546P8 − Vitis vinifera
C5YXM4 − Sorghum bicolor
B9SIC4 − Ricinus communis
Q16JP0 − Aedes aegypti
A8N1B4 − Coprinopsis cinerea
0.45
0.73
0.78
0.99
0.79
0.87
0.7
0.023
0.51
0.91
0.93
0.77
0.93
0.82
0.76
0.59

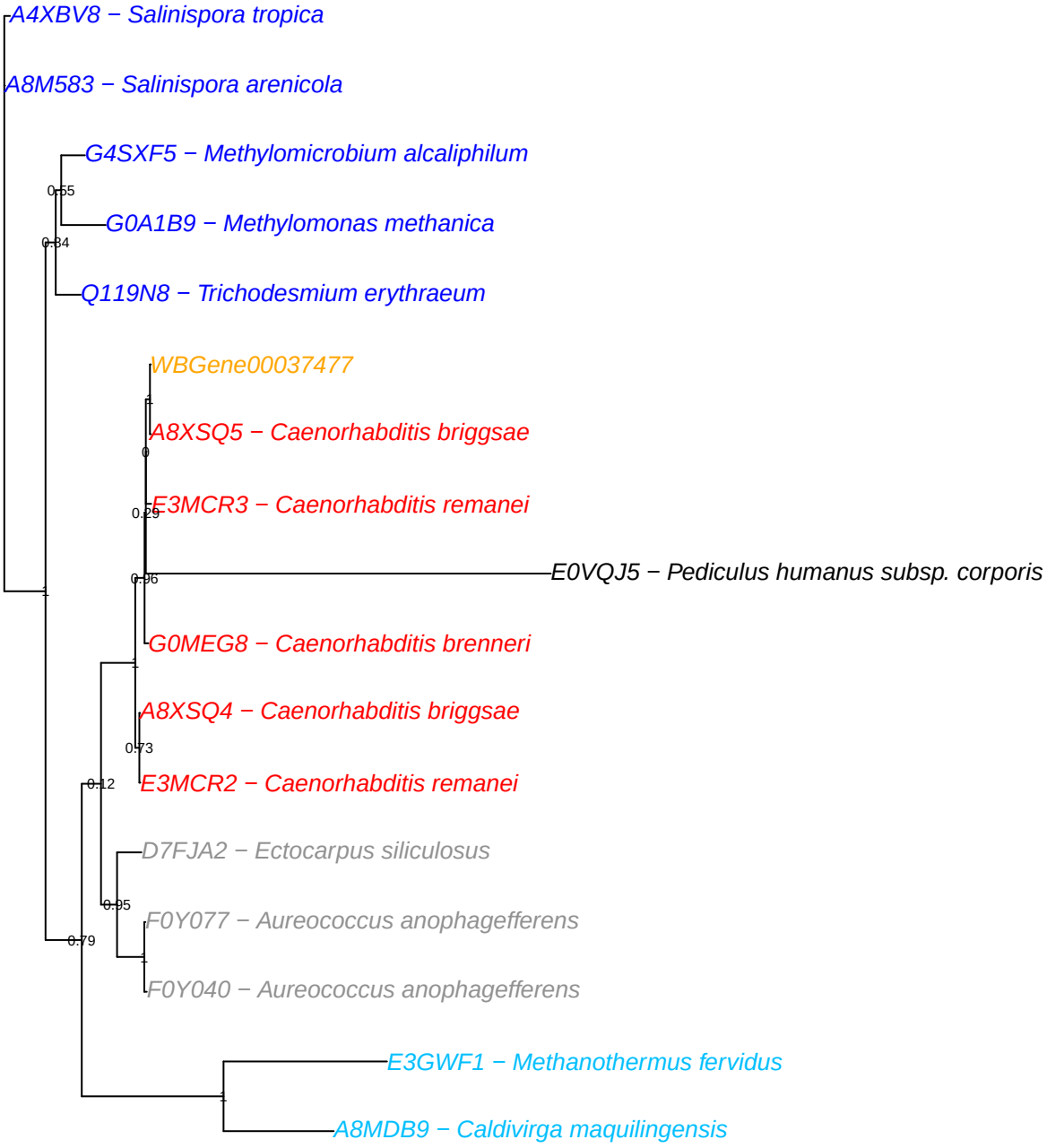

Q69TI0 − Oryza sativa subsp. japonica
C5Z6J7 − Sorghum bicolor
Q8LAH7 − Arabidopsis thaliana
A9RBD6 − Physcomitrella patens subsp. patens
A8HNC2 − Chlamydomonas reinhardtii
E9IAL1 − Solenopsis invicta
B2HWF3 − Acinetobacter baumannii
E8PG57 − Acinetobacter baumannii
F0QIM1 − Acinetobacter baumannii
B5ESB4 − Vibrio fischeri
C0ZQA3 − Rhodococcus erythropolis
F0Y8D0 − Aureococcus anophagefferens
Q9N5C0 − Caenorhabditis elegans
E3LUN2 − Caenorhabditis remanei
WBGene00038198
A8XUA3 − Caenorhabditis briggsae
G0MXQ2 − Caenorhabditis brenneri
H2W6T5 − Caenorhabditis japonica
E3QHQ0 − Colletotrichum graminicola
I1RIR7 − Gibberella zeae
B0XQZ3 − Neosartorya fumigata
E9R052 − Neosartorya fumigata
A1D2J8 − Neosartorya fischeri
Q468H4 − Methanosarcina barkeri
Q8PUE0 − Methanosarcina mazei
D7E9K5 − Methanohalobium evestigatum
F7XLG8 − Methanosalsum zhilinae
D5EAG5 − Methanohalophilus mahii
A2DZN8 − Trichomonas vaginalis
A2F0G8 − Trichomonas vaginalis
A2FWL7 − Trichomonas vaginalis
A2GL21 − Trichomonas vaginalis

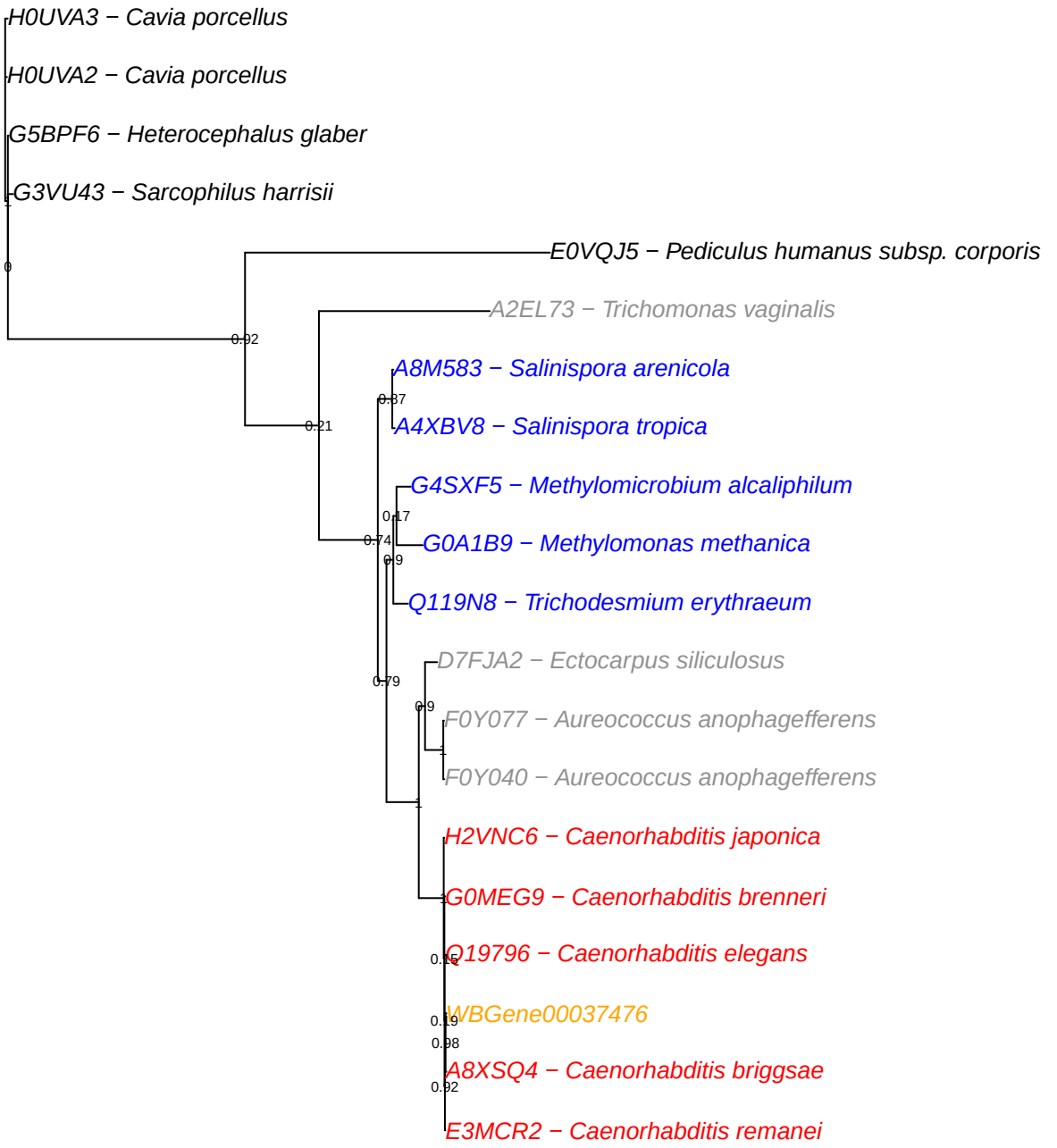

F8LQZ7 − Streptococcus salivarius
Q4A0V8 − Staphylococcus saprophyticus subsp. saprophyticus
F8LQZ6 − Streptococcus salivarius
F2QF16 − Streptococcus oralis
A3LYL0 − Scheffersomyces stipitis
Q7M4S9 − Saccharomyces cerevisiae
F8DKF7 − Streptococcus parasanguinis
A2G2N2 − Trichomonas vaginalis
C5M9N9 − Candida tropicalis
F0VCZ0 − Neospora caninum
WBGene00038098
A8XU01 − Caenorhabditis briggsae
A8XZE9 − Caenorhabditis briggsae
B0WR07 − Culex quinquefasciatus
A8WLQ3 − Caenorhabditis briggsae
A8WNP9 − Caenorhabditis briggsae
G3II94 − Cricetulus griseus
Q6AVC6 − Oryza sativa subsp. japonica
B0XEN2 − Culex quinquefasciatus
C5X1H8 − Sorghum bicolor
Q00ZD8 − Ostreococcus tauri
I1JPJ5 − Glycine max
B9R8V2 − Ricinus communis
Q5CYZ7 − Cryptosporidium parvum
Q8I538 − Plasmodium falciparum
Q8IL45 − Plasmodium falciparum
A8WK17 − Caenorhabditis briggsae
B0WLJ5 − Culex quinquefasciatus
B0X2W7 − Culex quinquefasciatus
C5E0P8 − Zygosaccharomyces rouxii
A8Q6K4 − Malassezia globosa

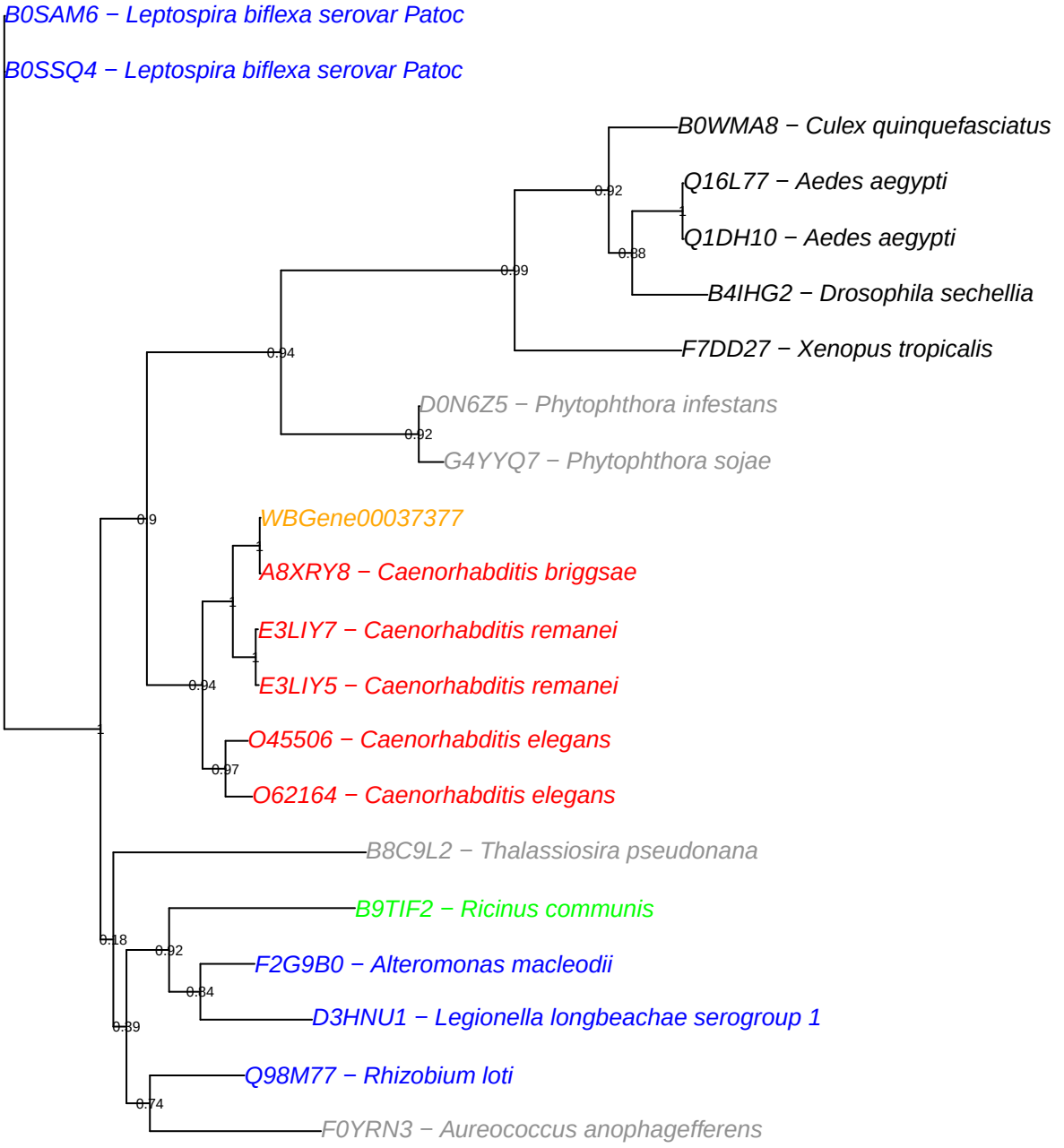

F5HDF1 − Ustilago maydis
E6ZQZ0 − Sporisorium reilianum
B9TI85 − Ricinus communis
Q98M77 − Rhizobium loti
D2BSJ6 − Dickeya dadantii
F0YRN3 − Aureococcus anophagefferens
WBGene00037885
A8XTD8 − Caenorhabditis briggsae
A8XBM8 − Caenorhabditis briggsae
E3M5W2 − Caenorhabditis remanei
E3M5U2 − Caenorhabditis remanei
A8XBP6 − Caenorhabditis briggsae
Q2N5Q8 − Erythrobacter litoralis
B5FPN8 − Salmonella dublin
A8ESL7 − Arcobacter butzleri
H6BX34 − Exophiala dermatitidis
B7Q729 − Ixodes scapularis
D0NVH2 − Phytophthora infestans
G4ZS28 − Phytophthora sojae
H3GV68 − Phytophthora ramorum
G4YSF5 − Phytophthora sojae
0
0.72
0.38
0.91
0.81
1
0.98
0.16
0.6
1
0.91
0.99
0.19
0.8
1
0.26
0.86

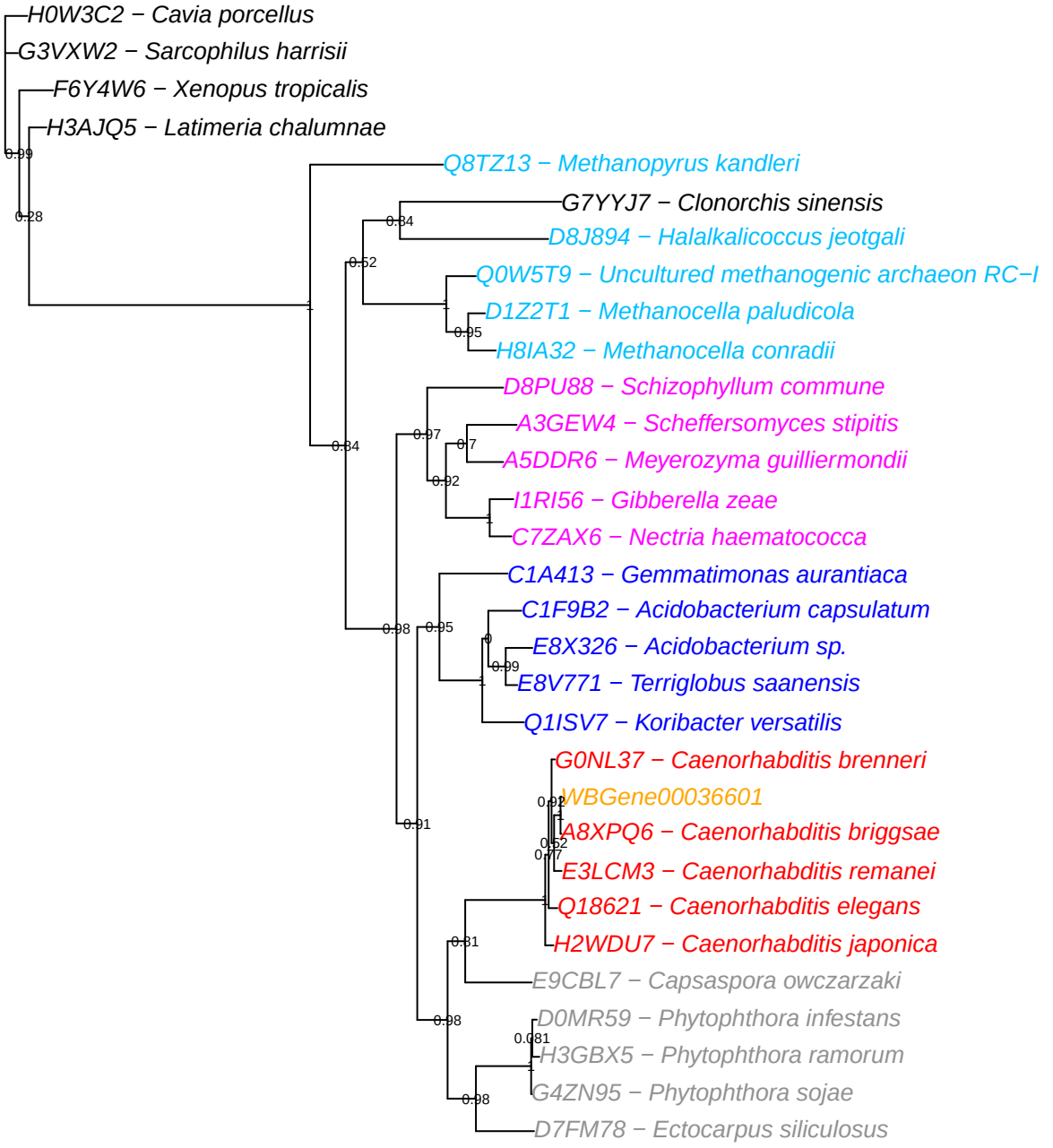

G4UXG7 − Neurospora tetrasperma
F8MSD1 − Neurospora tetrasperma
F4P2Z0 − Batrachochytrium dendrobatidis
F4PBL1 − Batrachochytrium dendrobatidis
F4P663 − Batrachochytrium dendrobatidis
F2UK53 − Salpingoeca rosetta
F2UGX9 − Salpingoeca rosetta
F2UDI5 − Salpingoeca rosetta
F2UDJ6 − Salpingoeca rosetta
E1ZJJ1 − Chlorella variabilis
D3BV93 − Polysphondylium pallidum
WBGene00037728
A8XSB6 − Caenorhabditis briggsae
G0ML44 − Caenorhabditis brenneri
E3LYH3 − Caenorhabditis remanei
Q9XUS8 − Caenorhabditis elegans
H3FQM5 − Pristionchus pacificus
F6UGD7 − Ciona intestinalis
H2ZM86 − Ciona savignyi
H2ZM84 − Ciona savignyi
H2ZM85 − Ciona savignyi
G1NQP6 − Meleagris gallopavo
Q2Y722 − Nitrosospira multiformis
F2RIZ9 − Streptomyces venezuelae
C9Z1N0 − Streptomyces scabies
E8VZQ2 − Streptomyces pratensis
A8KZX1 − Frankia sp.
A9U514 − Physcomitrella patens subsp. patens
I1KLG6 − Glycine max
I1KEH4 − Glycine max
I1I0X8 − Brachypodium distachyon
0.87
0.94
0.8
0.76
0.6
0.12
0.89
0.98
0.87
0.17
0.26
0.99
0.19
0.18
0.79
0.9
0.38
0.98
0.75
0.94
0.97

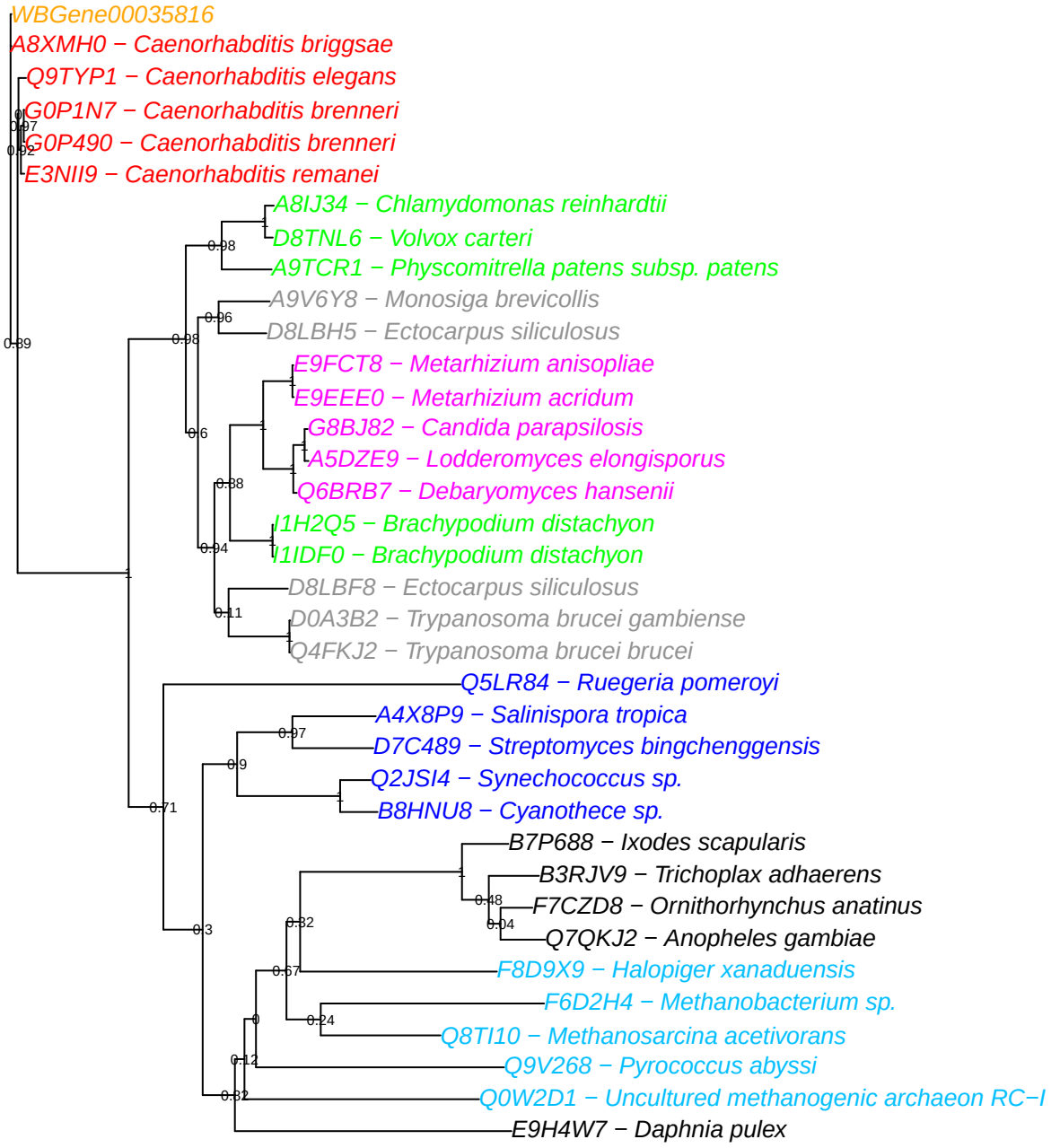

Q5E9J7 − Bos taurus
G1RYJ4 − Nomascus leucogenys
Q0P4H0 − Xenopus tropicalis
G4VHS5 − Schistosoma mansoni
B7PXR7 − Ixodes scapularis
A4VDC3 − Tetrahymena thermophila
Q12ZA1 − Methanococcoides burtonii
G7WQC2 − Methanosaeta harundinacea
F7XQH5 − Methanosalsum zhilinae
F0SY89 − Syntrophobotulus glycolicus
B8BQT0 − Thalassiosira pseudonana
C5KS26 − Perkinsus marinus
C5K7R1 − Perkinsus marinus
C5KAE5 − Perkinsus marinus
Q0D7H8 − Oryza sativa subsp. japonica
I1Q9E7 − Oryza glaberrima
D7M6T1 − Arabidopsis lyrata subsp. lyrata
Q94BU8 − Arabidopsis thaliana
F4K5T6 − Arabidopsis thaliana
G0ML85 − Caenorhabditis brenneri
E3LYL9 − Caenorhabditis remanei
WBGene00037681
A8XS69 − Caenorhabditis briggsae
Q9XXD0 − Caenorhabditis elegans
H2VSM2 − Caenorhabditis japonica
E8WYX6 − Acidobacterium sp.
F0RC51 − Cellulophaga lytica
E3DXM4 − Bacillus atrophaeus
D3EKU7 − Geobacillus sp.
Q8PTJ3 − Methanosarcina mazei
Q467J4 − Methanosarcina barkeri
0.77
0.97
1
0.93
0.97
0.92
0.76
0.58
0.94
0.98
1
0.8
1
0.82
0.87
0.76
0.82
0.18
0.86
0.92
0.26
0.38
0.648
0.55
0.82
1

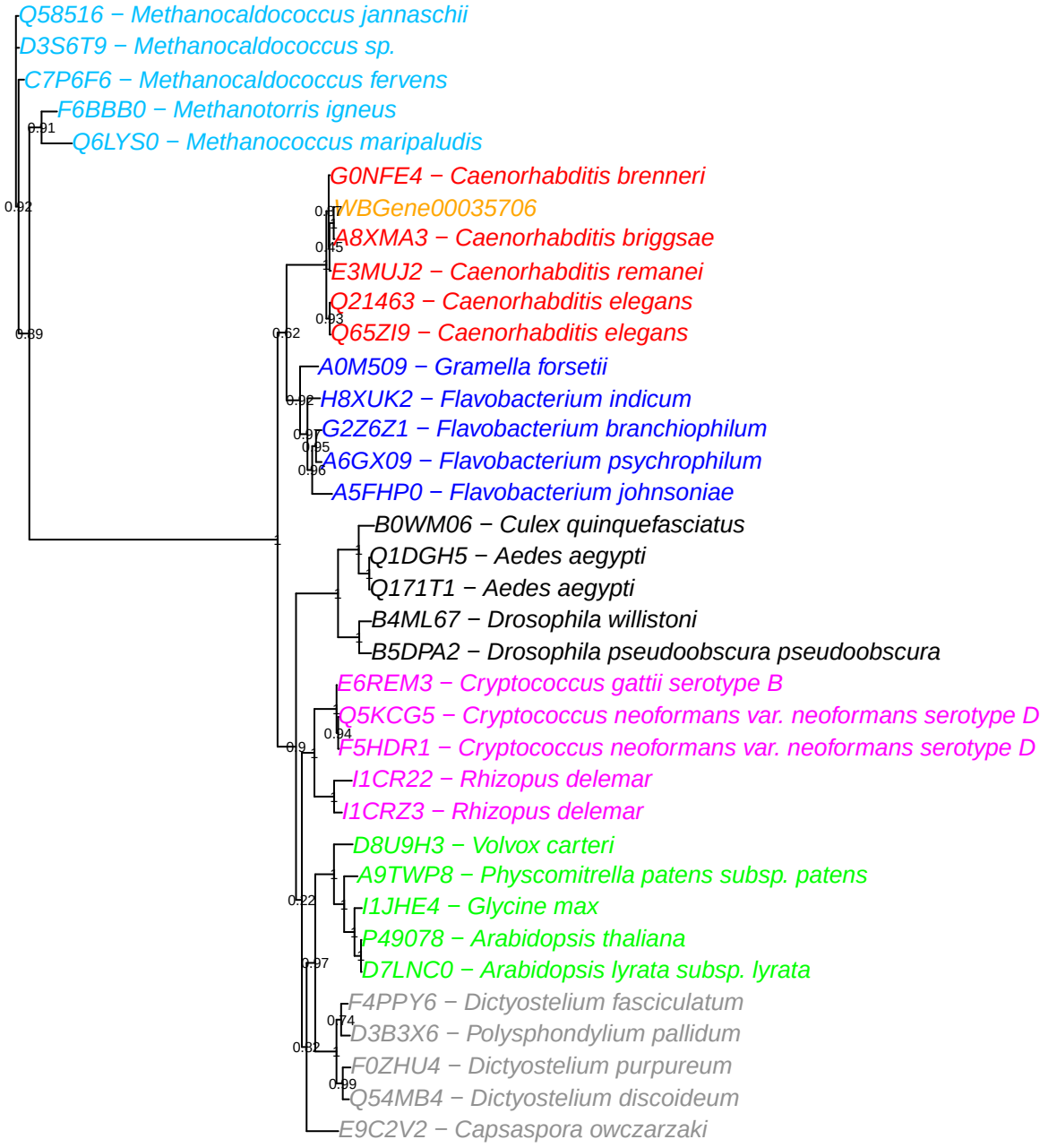

A4XBV8 − Salinispora tropica
A8M583 − Salinispora arenicola
G4SXF5 − Methylomicrobium alcaliphilum
0.55
G0A1B9 − Methylomonas methanica
0.84
Q119N8 − Trichodesmium erythraeum
WBGene00037477
1
A8XSQ5 − Caenorhabditis briggsae
0
E3MCR3 − Caenorhabditis remanei
0.29
E0VQJ5 − Pediculus humanus subsp. corporis
0.96
1
G0MEG8 − Caenorhabditis brenneri
1
A8XSQ4 − Caenorhabditis briggsae
0.73
E3MCR2 − Caenorhabditis remanei
0.12
D7FJA2 − Ectocarpus siliculosus
0.95
F0Y077 − Aureococcus anophagefferens
0.79
1
F0Y040 − Aureococcus anophagefferens
E3GWF1 − Methanothermus fervidus
1
A8MDB9 − Caldivirga maquilingensis

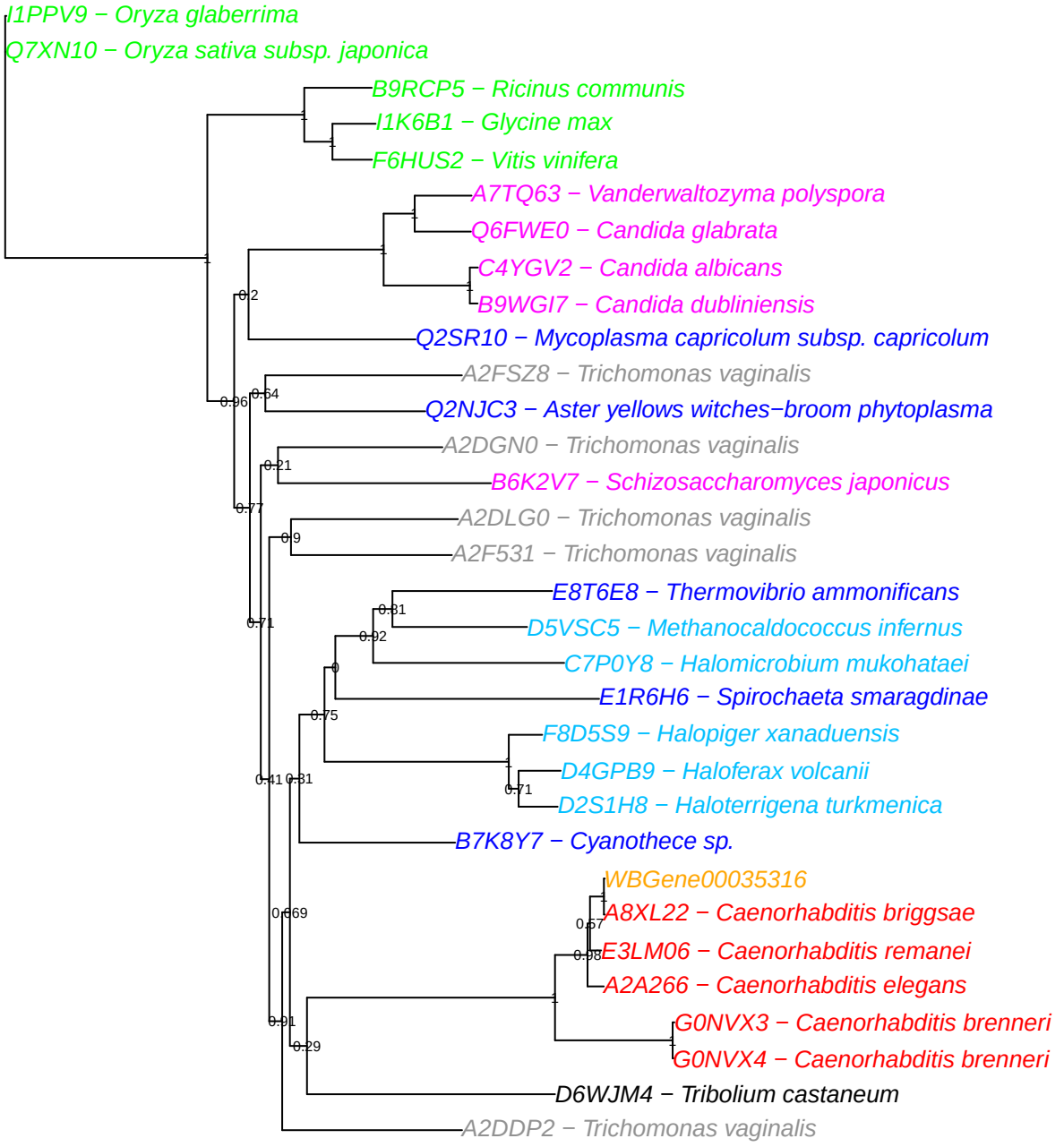

H0UVA3 − Cavia porcellus
H0UVA2 − Cavia porcellus
G5BPF6 − Heterocephalus glaber
G3VU43 − Sarcophilus harrisii
E0VQJ5 − Pediculus humanus subsp. corporis
A2EL73 − Trichomonas vaginalis
A8M583 − Salinispora arenicola
A4XBV8 − Salinispora tropica
G4SXF5 − Methylomicrobium alcaliphilum
G0A1B9 − Methylomonas methanica
Q119N8 − Trichodesmium erythraeum
D7FJA2 − Ectocarpus siliculosus
F0Y077 − Aureococcus anophagefferens
F0Y040 − Aureococcus anophagefferens
H2VNC6 − Caenorhabditis japonica
G0MEG9 − Caenorhabditis brenneri
Q19796 − Caenorhabditis elegans
WBGene00037476
A8XSQ4 − Caenorhabditis briggsae
E3MCR2 − Caenorhabditis remanei
1
0
0.92
0.87
0.21
0.17
0.74
0.9
0.79
0.9
1
1
1
1
0.15
0.19
0.98
0.92

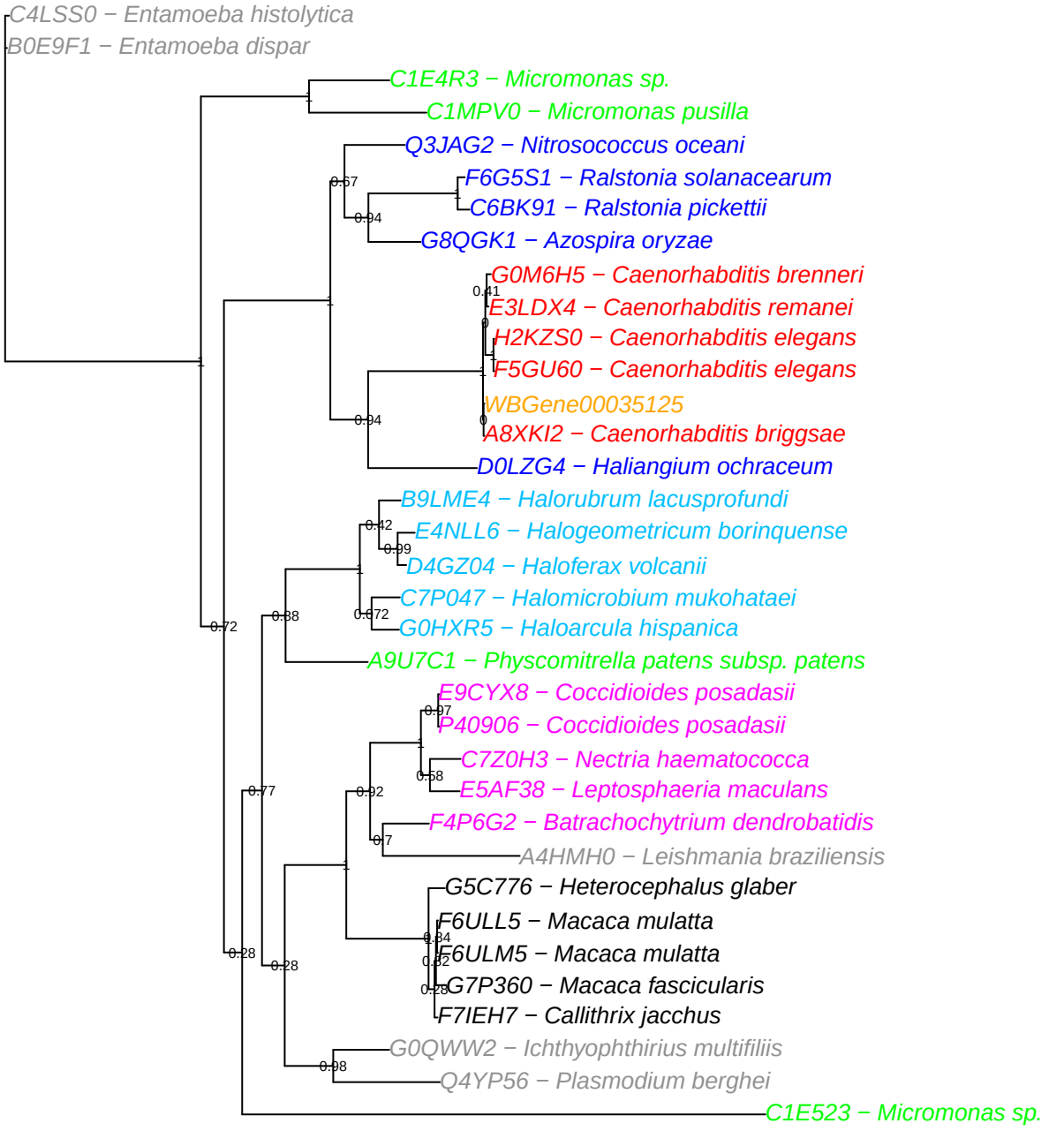

B0SAM6 − Leptospira biflexa serovar Patoc
B0SSQ4 − Leptospira biflexa serovar Patoc
B0WMA8 − Culex quinquefasciatus
Q16L77 − Aedes aegypti
Q1DH10 − Aedes aegypti
B4IHG2 − Drosophila sechellia
F7DD27 − Xenopus tropicalis
D0N6Z5 − Phytophthora infestans
G4YYQ7 − Phytophthora sojae
WBGene00037377
A8XRY8 − Caenorhabditis briggsae
E3LIY7 − Caenorhabditis remanei
E3LIY5 − Caenorhabditis remanei
O45506 − Caenorhabditis elegans
O62164 − Caenorhabditis elegans
B8C9L2 − Thalassiosira pseudonana
B9TIF2 − Ricinus communis
F2G9B0 − Alteromonas macleodii
D3HNU1 − Legionella longbeachae serogroup 1
Q98M77 − Rhizobium loti
F0YRN3 − Aureococcus anophagefferens
0.92
0.88
0.99
0.94
0.92
0.9
0.94
0.97
0.18
0.92
0.84
0.89
0.74

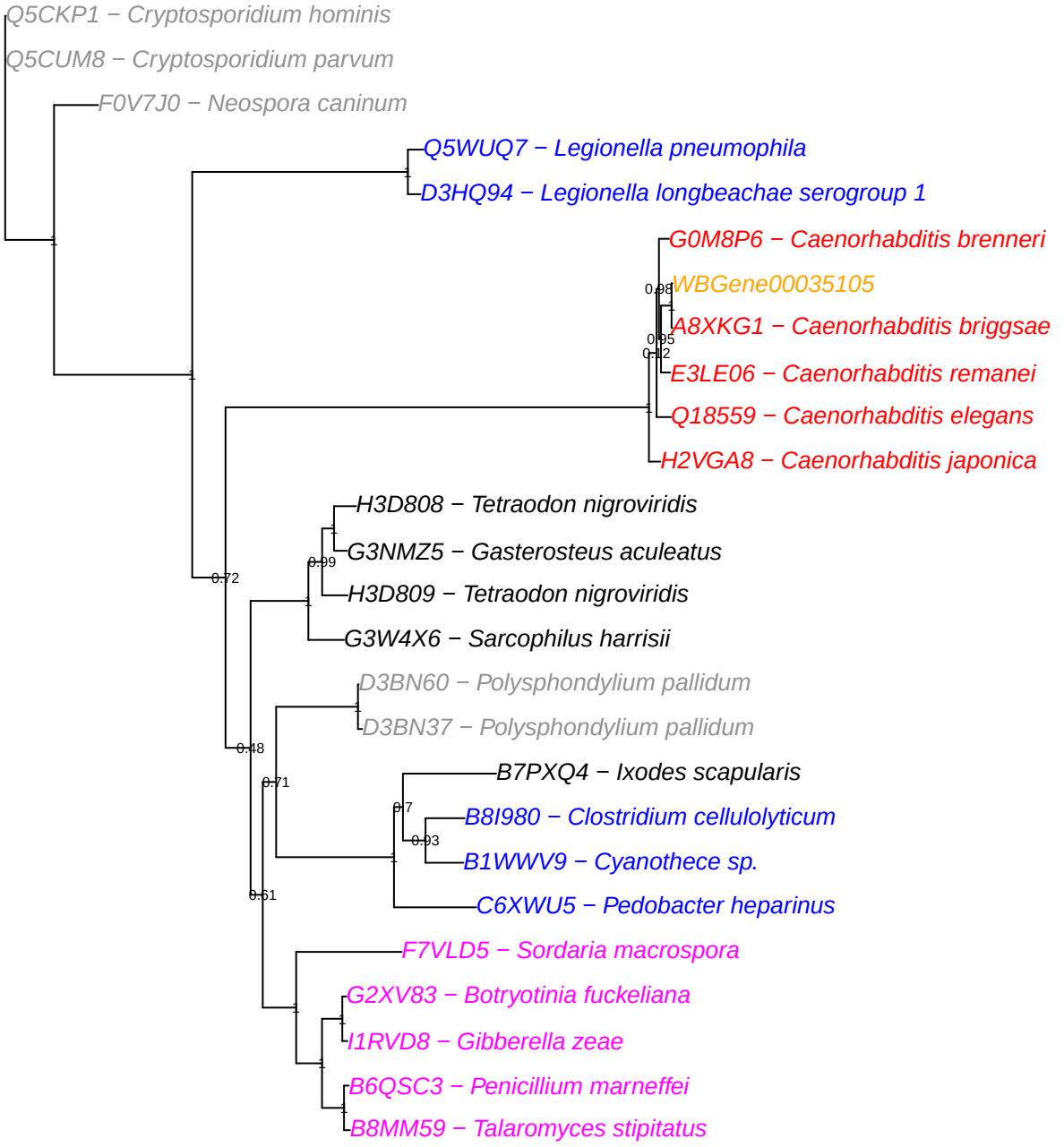

H0W3C2 − Cavia porcellus
G3VXW2 − Sarcophilus harrisii
F6Y4W6 − Xenopus tropicalis
H3AJQ5 − Latimeria chalumnae
Q8TZ13 − Methanopyrus kandleri
G7YYJ7 − Clonorchis sinensis
D8J894 − Halalkalicoccus jeotgali
Q0W5T9 − Uncultured methanogenic archaeon RC−I
D1Z2T1 − Methanocella paludicola
H8IA32 − Methanocella conradii
D8PU88 − Schizophyllum commune
A3GEW4 − Scheffersomyces stipitis
A5DDR6 − Meyerozyma guilliermondii
I1RI56 − Gibberella zeae
C7ZAX6 − Nectria haematococca
C1A413 − Gemmatimonas aurantiaca
C1F9B2 − Acidobacterium capsulatum
E8X326 − Acidobacterium sp.
E8V771 − Terriglobus saanensis
Q1ISV7 − Koribacter versatilis
G0NL37 − Caenorhabditis brenneri
WBGene00036601
A8XPQ6 − Caenorhabditis briggsae
E3LCM3 − Caenorhabditis remanei
Q18621 − Caenorhabditis elegans
H2WDU7 − Caenorhabditis japonica
E9CBL7 − Capsaspora owczarzaki
D0MR59 − Phytophthora infestans
H3GBX5 − Phytophthora ramorum
G4ZN95 − Phytophthora sojae
D7FM78 − Ectocarpus siliculosus
0.99
0.28
0.84
0.52
1
1
0.95
0.84
0.97
0.7
0.92
1
0.98
0.95
0
0.99
1
0.91
0.91
0.52
0.77
1
0.81
0.98
0.081
1
0.98

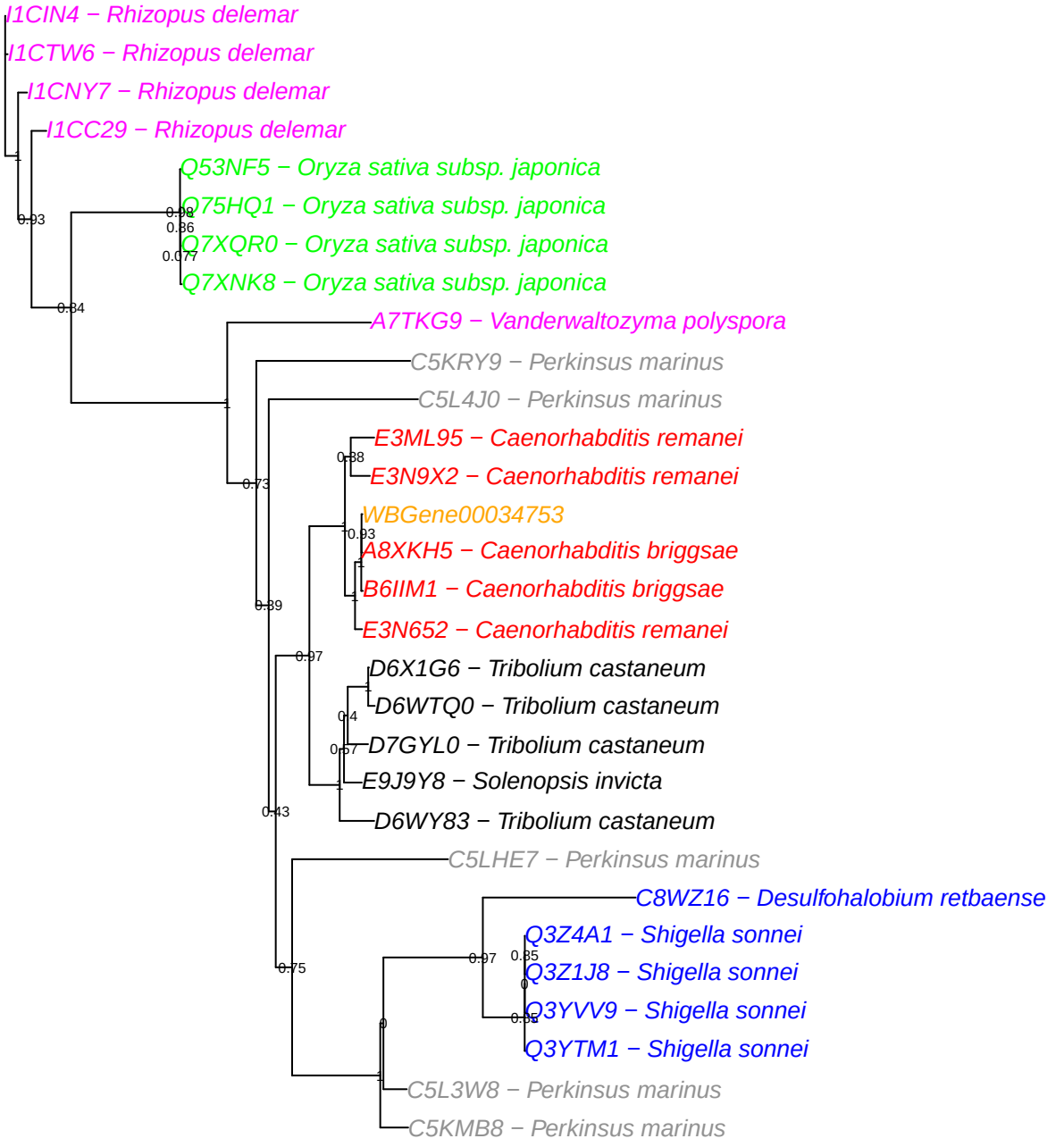

WBGene00035816
A8XMH0 − Caenorhabditis briggsae
Q9TYP1 − Caenorhabditis elegans
G0P1N7 − Caenorhabditis brenneri
G0P490 − Caenorhabditis brenneri
E3NII9 − Caenorhabditis remanei
A8IJ34 − Chlamydomonas reinhardtii
D8TNL6 − Volvox carteri
A9TCR1 − Physcomitrella patens subsp. patens
A9V6Y8 − Monosiga brevicollis
D8LBH5 − Ectocarpus siliculosus
E9FCT8 − Metarhizium anisopliae
E9EEE0 − Metarhizium acridum
G8BJ82 − Candida parapsilosis
A5DZE9 − Lodderomyces elongisporus
Q6BRB7 − Debaryomyces hansenii
I1H2Q5 − Brachypodium distachyon
I1IDF0 − Brachypodium distachyon
D8LBF8 − Ectocarpus siliculosus
D0A3B2 − Trypanosoma brucei gambiense
Q4FKJ2 − Trypanosoma brucei brucei
Q5LR84 − Ruegeria pomeroyi
A4X8P9 − Salinispora tropica
D7C489 − Streptomyces bingchenggensis
Q2JSI4 − Synechococcus sp.
B8HNU8 − Cyanothece sp.
B7P688 − Ixodes scapularis
B3RJV9 − Trichoplax adhaerens
F7CZD8 − Ornithorhynchus anatinus
Q7QKJ2 − Anopheles gambiae
F8D9X9 − Halopiger xanaduensis
F6D2H4 − Methanobacterium sp.
Q8TI10 − Methanosarcina acetivorans
Q9V268 − Pyrococcus abyssi
Q0W2D1 − Uncultured methanogenic archaeon RC−I
E9H4W7 − Daphnia pulex

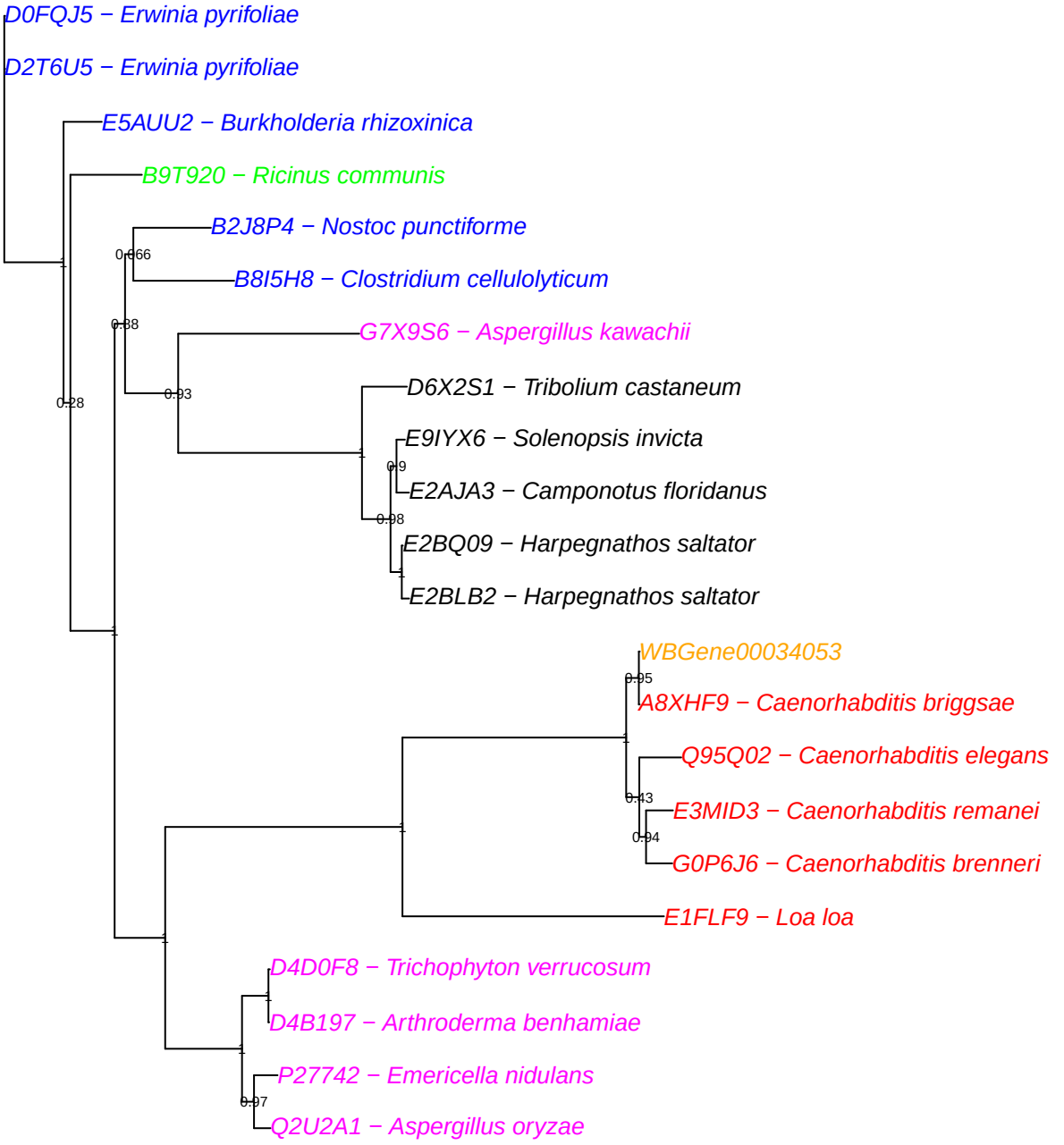

Q58516 − Methanocaldococcus jannaschii
D3S6T9 − Methanocaldococcus sp.
C7P6F6 − Methanocaldococcus fervens
F6BBB0 − Methanotorris igneus
Q6LYS0 − Methanococcus maripaludis
G0NFE4 − Caenorhabditis brenneri
WBGene00035706
A8XMA3 − Caenorhabditis briggsae
E3MUJ2 − Caenorhabditis remanei
Q21463 − Caenorhabditis elegans
Q65ZI9 − Caenorhabditis elegans
A0M509 − Gramella forsetii
H8XUK2 − Flavobacterium indicum
G2Z6Z1 − Flavobacterium branchiophilum
A6GX09 − Flavobacterium psychrophilum
A5FHP0 − Flavobacterium johnsoniae
B0WM06 − Culex quinquefasciatus
Q1DGH5 − Aedes aegypti
Q171T1 − Aedes aegypti
B4ML67 − Drosophila willistoni
B5DPA2 − Drosophila pseudoobscura pseudoobscura
E6REM3 − Cryptococcus gattii serotype B
Q5KCG5 − Cryptococcus neoformans var. neoformans serotype D
F5HDR1 − Cryptococcus neoformans var. neoformans serotype D
I1CR22 − Rhizopus delemar
I1CRZ3 − Rhizopus delemar
D8U9H3 − Volvox carteri
A9TWP8 − Physcomitrella patens subsp. patens
I1JHE4 − Glycine max
P49078 − Arabidopsis thaliana
D7LNC0 − Arabidopsis lyrata subsp. lyrata
F4PPY6 − Dictyostelium fasciculatum
D3B3X6 − Polysphondylium pallidum
F0ZHU4 − Dictyostelium purpureum
Q54MB4 − Dictyostelium discoideum
E9C2V2 − Capsaspora owczarzaki
0.91
0.92
0.89
0.62
0.45
0.93
0.95
0.96
0.94
0.9
0.22
0.97
0.74
0.82
0.99

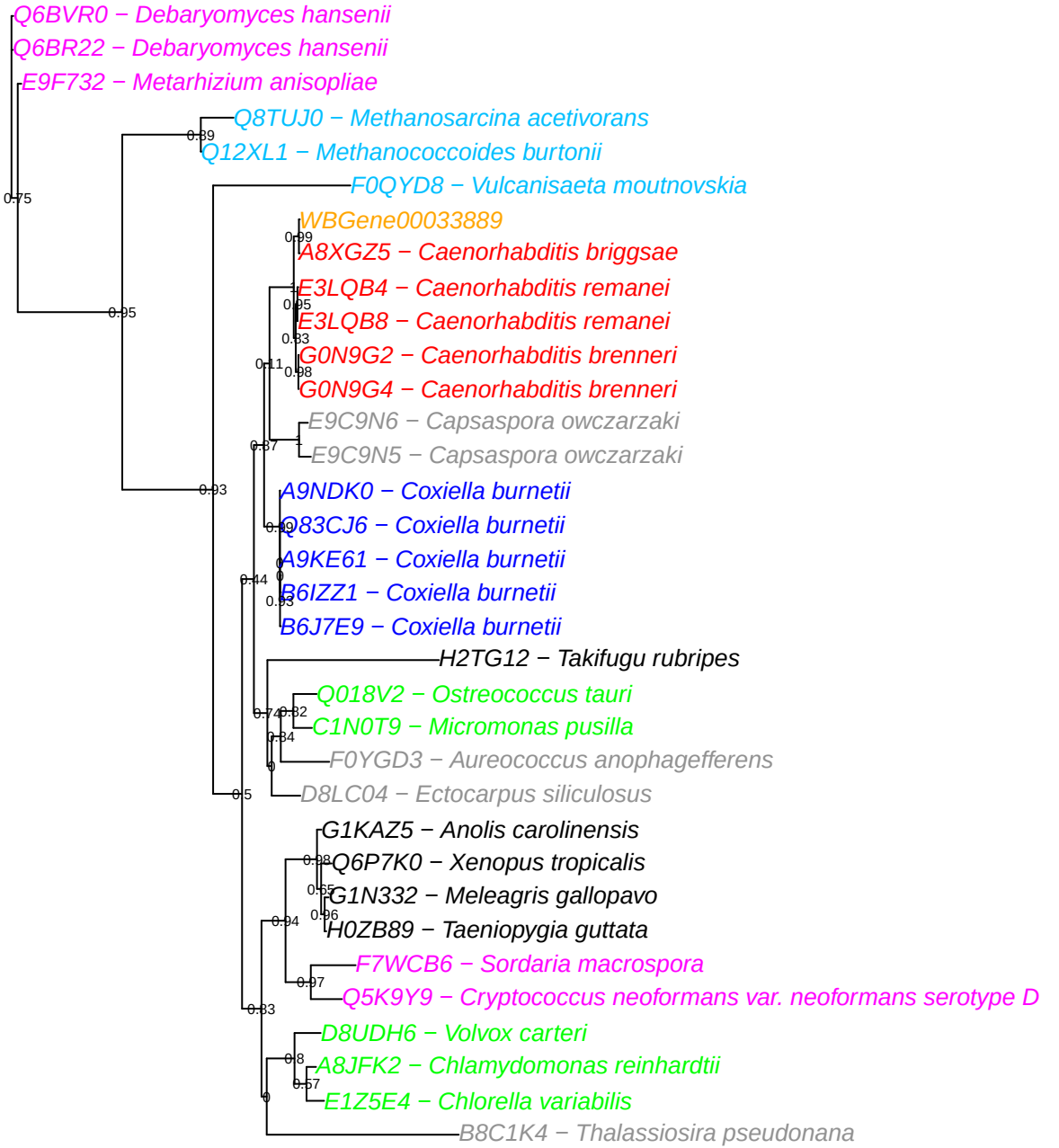

I1PPV9 − Oryza glaberrima
Q7XN10 − Oryza sativa subsp. japonica
B9RCP5 − Ricinus communis
I1K6B1 − Glycine max
F6HUS2 − Vitis vinifera
A7TQ63 − Vanderwaltozyma polyspora
Q6FWE0 − Candida glabrata
C4YGV2 − Candida albicans
B9WGI7 − Candida dubliniensis
Q2SR10 − Mycoplasma capricolum subsp. capricolum
A2FSZ8 − Trichomonas vaginalis
Q2NJC3 − Aster yellows witches−broom phytoplasma
A2DGN0 − Trichomonas vaginalis
B6K2V7 − Schizosaccharomyces japonicus
A2DLG0 − Trichomonas vaginalis
A2F531 − Trichomonas vaginalis
E8T6E8 − Thermovibrio ammonificans
D5VSC5 − Methanocaldococcus infernus
C7P0Y8 − Halomicrobium mukohataei
E1R6H6 − Spirochaeta smaragdinae
F8D5S9 − Halopiger xanaduensis
D4GPB9 − Haloferax volcanii
D2S1H8 − Haloterrigena turkmenica
B7K8Y7 − Cyanothece sp.
WBGene00035316
A8XL22 − Caenorhabditis briggsae
E3LM06 − Caenorhabditis remanei
A2A266 − Caenorhabditis elegans
G0NVX3 − Caenorhabditis brenneri
G0NVX4 − Caenorhabditis brenneri
D6WJM4 − Tribolium castaneum
A2DDP2 − Trichomonas vaginalis
0.2
0.96
0.64
0.21
0.77
0.9
0.71
0.81
0.92
0
0.75
0.41
0.81
0.71
0.669
0.57
0.98
0.91
0.29

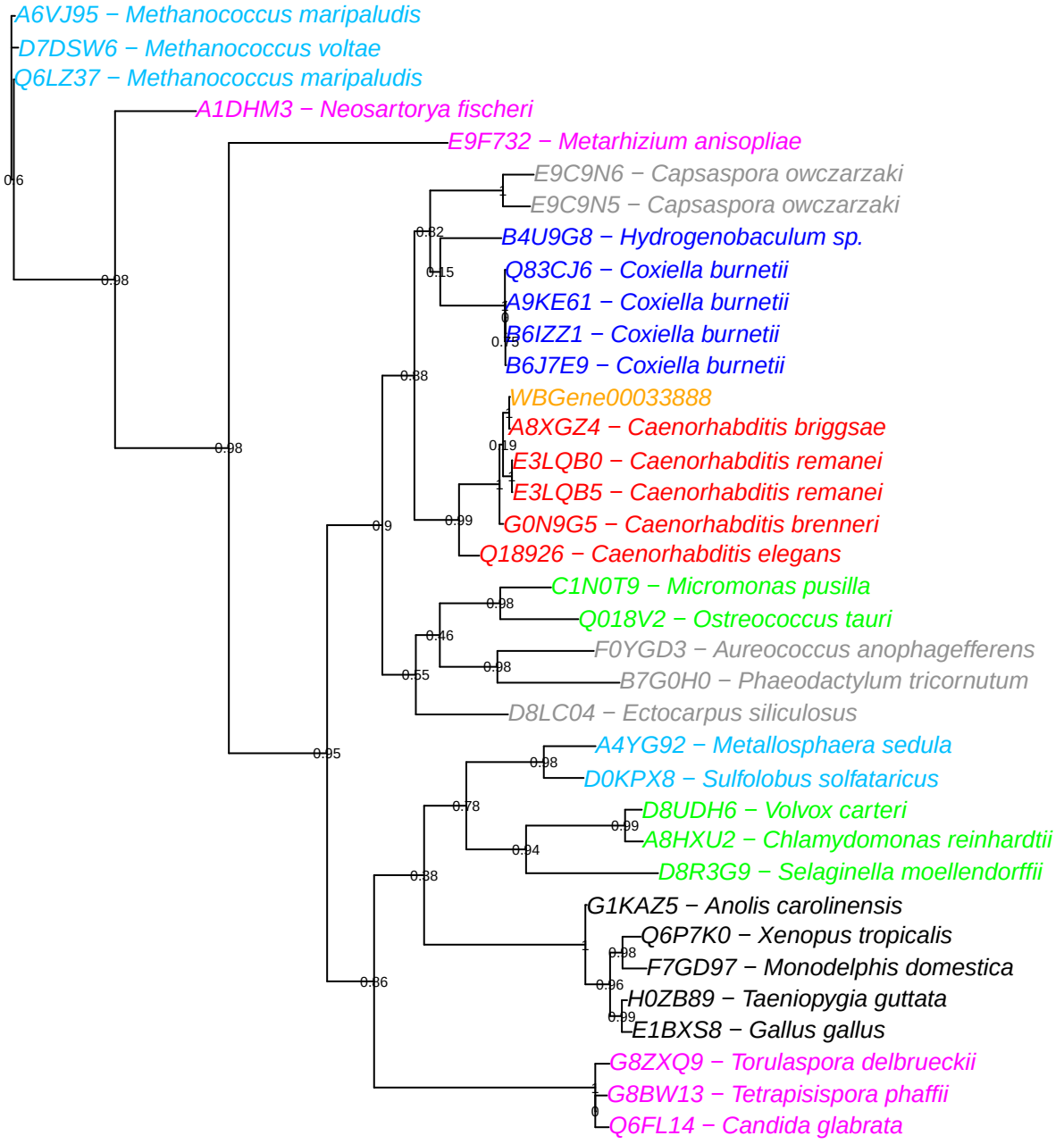

C4LSS0 − Entamoeba histolytica
B0E9F1 − Entamoeba dispar
C1E4R3 − Micromonas sp.
C1MPV0 − Micromonas pusilla
Q3JAG2 − Nitrosococcus oceani
F6G5S1 − Ralstonia solanacearum
C6BK91 − Ralstonia pickettii
G8QGK1 − Azospira oryzae
G0M6H5 − Caenorhabditis brenneri
E3LDX4 − Caenorhabditis remanei
H2KZS0 − Caenorhabditis elegans
F5GU60 − Caenorhabditis elegans
WBGene00035125
A8XKI2 − Caenorhabditis briggsae
D0LZG4 − Haliangium ochraceum
B9LME4 − Halorubrum lacusprofundi
E4NLL6 − Halogeometricum borinquense
D4GZ04 − Haloferax volcanii
C7P047 − Halomicrobium mukohataei
G0HXR5 − Haloarcula hispanica
A9U7C1 − Physcomitrella patens subsp. patens
E9CYX8 − Coccidioides posadasii
P40906 − Coccidioides posadasii
C7Z0H3 − Nectria haematococca
E5AF38 − Leptosphaeria maculans
F4P6G2 − Batrachochytrium dendrobatidis
A4HMH0 − Leishmania braziliensis
G5C776 − Heterocephalus glaber
F6ULL5 − Macaca mulatta
F6ULM5 − Macaca mulatta
G7P360 − Macaca fascicularis
F7IEH7 − Callithrix jacchus
G0QWW2 − Ichthyophthirius multifiliis
Q4YP56 − Plasmodium berghei
C1E523 − Micromonas sp.
0.67
0.94
0.41
0.94
0.42
0.99
0.672
0.88
0.72
0.97
0.58
0.92
0.77
0.7
0.84
0.82
0.28
0.28
0.98

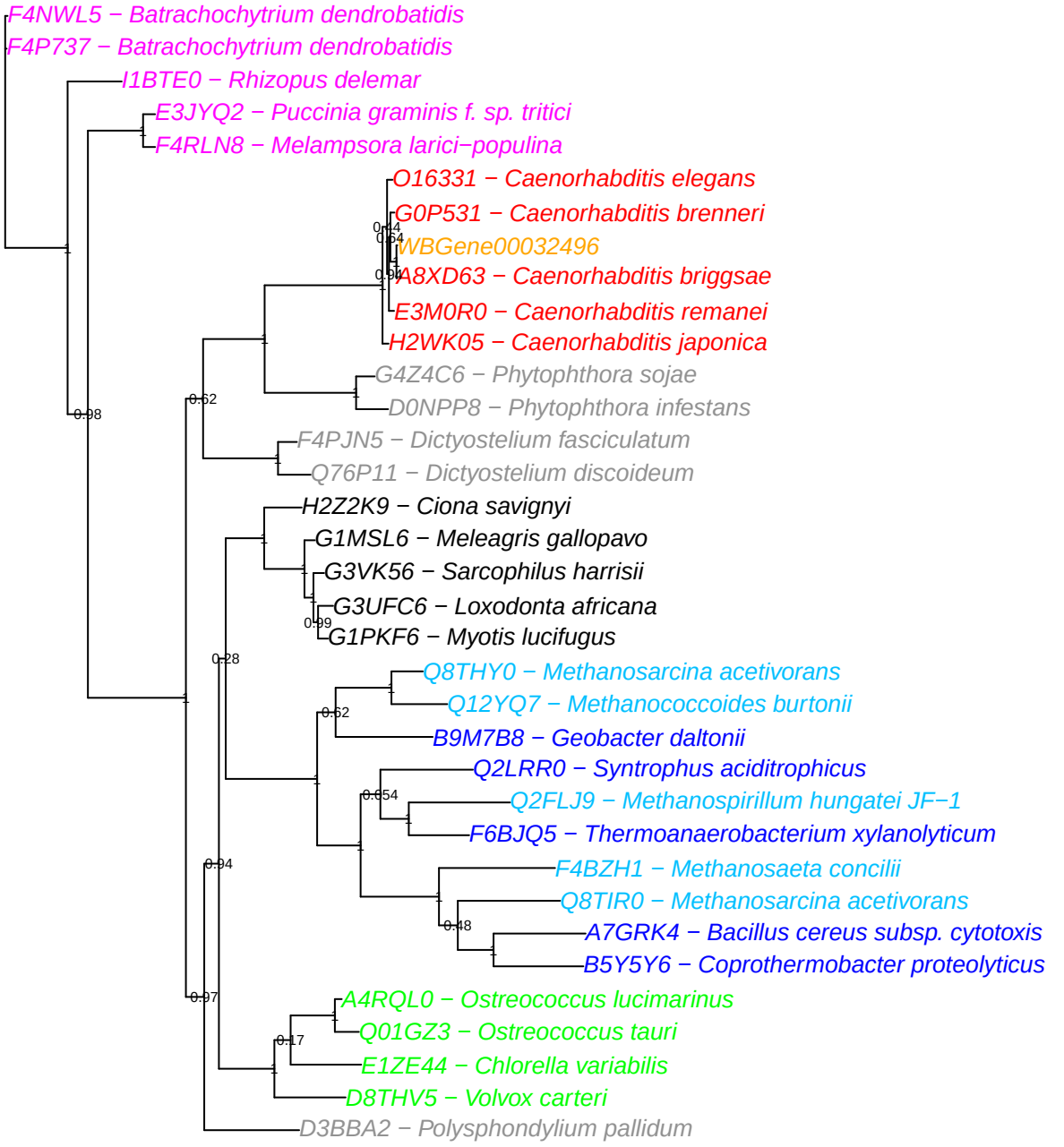

Q5CKP1 − Cryptosporidium hominis
Q5CUM8 − Cryptosporidium parvum
F0V7J0 − Neospora caninum
Q5WUQ7 − Legionella pneumophila
D3HQ94 − Legionella longbeachae serogroup 1
G0M8P6 − Caenorhabditis brenneri
WBGene00035105
A8XKG1 − Caenorhabditis briggsae
E3LE06 − Caenorhabditis remanei
Q18559 − Caenorhabditis elegans
H2VGA8 − Caenorhabditis japonica
H3D808 − Tetraodon nigroviridis
G3NMZ5 − Gasterosteus aculeatus
H3D809 − Tetraodon nigroviridis
G3W4X6 − Sarcophilus harrisii
D3BN60 − Polysphondylium pallidum
D3BN37 − Polysphondylium pallidum
B7PXQ4 − Ixodes scapularis
B8I980 − Clostridium cellulolyticum
B1WWV9 − Cyanothece sp.
C6XWU5 − Pedobacter heparinus
F7VLD5 − Sordaria macrospora
G2XV83 − Botryotinia fuckeliana
I1RVD8 − Gibberella zeae
B6QSC3 − Penicillium marneffei
B8MM59 − Talaromyces stipitatus
0.98
0.95
0.72
0.99
0.48
0.71
0.7
0.93
0.61

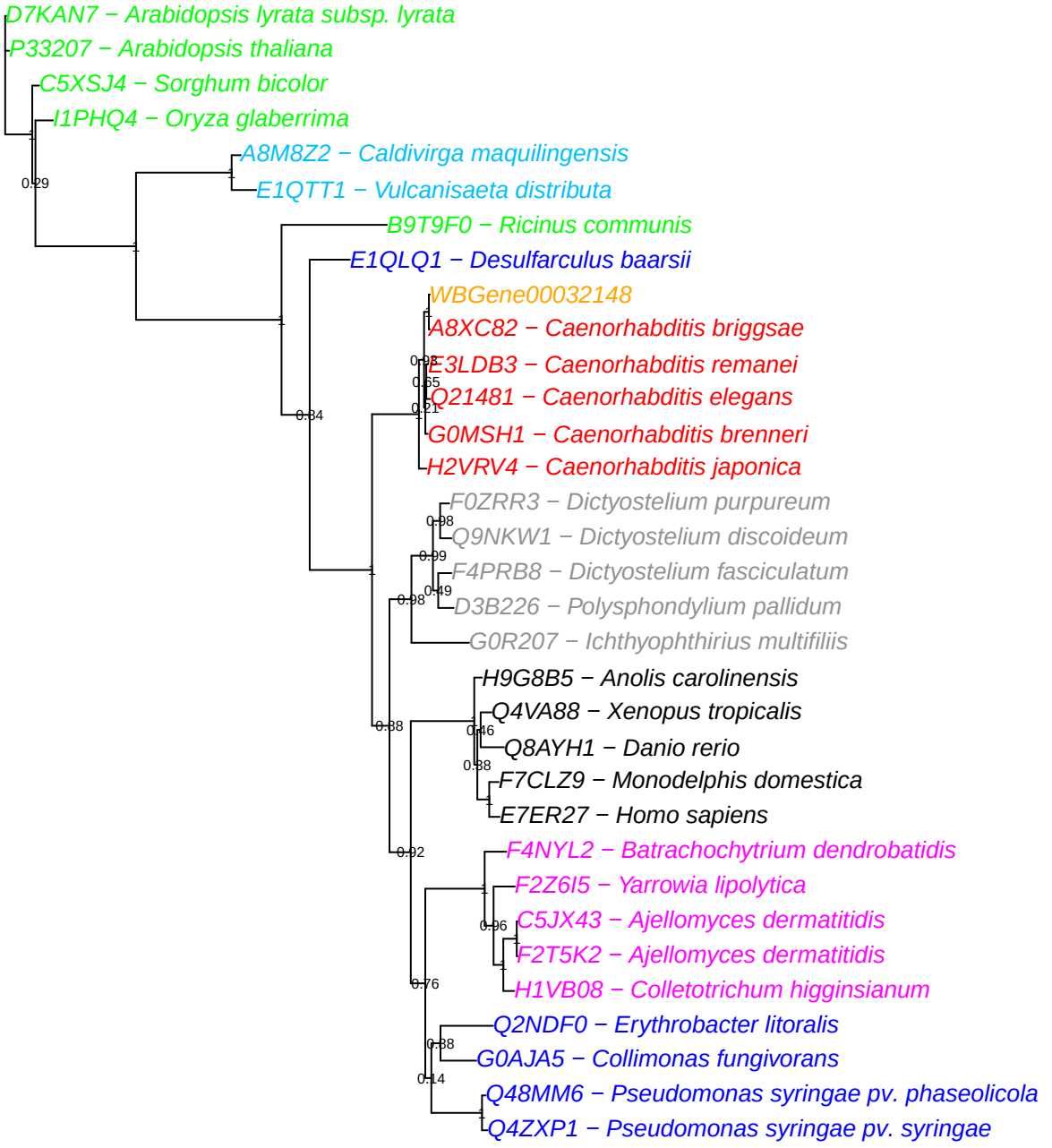

I1CIN4 − Rhizopus delemar
I1CTW6 − Rhizopus delemar
I1CNY7 − Rhizopus delemar
I1CC29 − Rhizopus delemar
Q53NF5 − Oryza sativa subsp. japonica
Q75HQ1 − Oryza sativa subsp. japonica
Q7XQR0 − Oryza sativa subsp. japonica
Q7XNK8 − Oryza sativa subsp. japonica
A7TKG9 − Vanderwaltozyma polyspora
C5KRY9 − Perkinsus marinus
C5L4J0 − Perkinsus marinus
E3ML95 − Caenorhabditis remanei
E3N9X2 − Caenorhabditis remanei
WBGene00034753
A8XKH5 − Caenorhabditis briggsae
B6IIM1 − Caenorhabditis briggsae
E3N652 − Caenorhabditis remanei
D6X1G6 − Tribolium castaneum
D6WTQ0 − Tribolium castaneum
D7GYL0 − Tribolium castaneum
E9J9Y8 − Solenopsis invicta
D6WY83 − Tribolium castaneum
C5LHE7 − Perkinsus marinus
C8WZ16 − Desulfohalobium retbaense
Q3Z4A1 − Shigella sonnei
Q3Z1J8 − Shigella sonnei
Q3YVV9 − Shigella sonnei
Q3YTM1 − Shigella sonnei
C5L3W8 − Perkinsus marinus
C5KMB8 − Perkinsus marinus

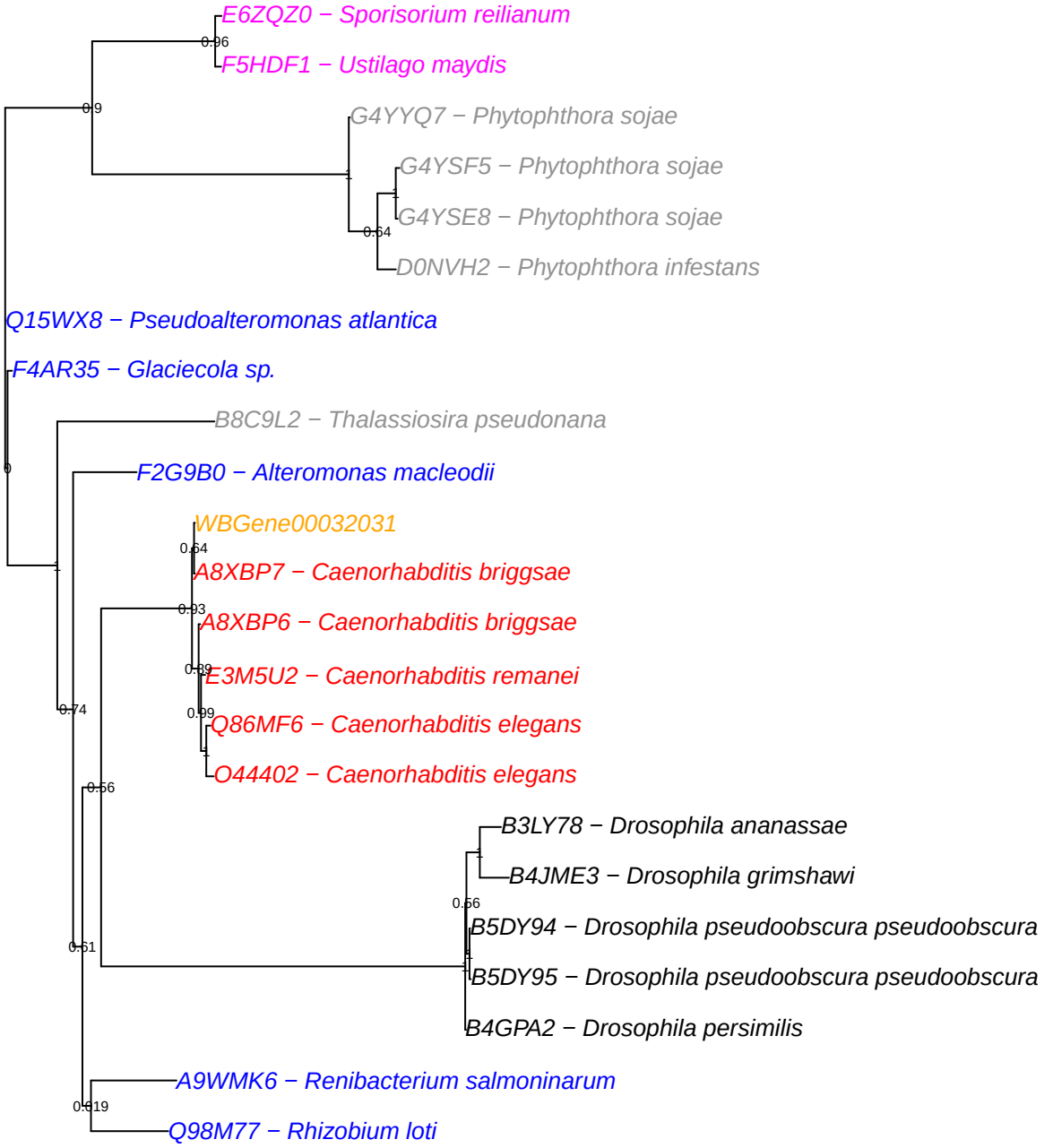

D0FQJ5 − Erwinia pyrifoliae
D2T6U5 − Erwinia pyrifoliae
E5AUU2 − Burkholderia rhizoxinica
B9T920 − Ricinus communis
B2J8P4 − Nostoc punctiforme
0.666
B8I5H8 − Clostridium cellulolyticum
0.88
G7X9S6 − Aspergillus kawachii
0.93
D6X2S1 − Tribolium castaneum
0.28
E9IYX6 − Solenopsis invicta
0.9
E2AJA3 − Camponotus floridanus
0.98
E2BQ09 − Harpegnathos saltator
E2BLB2 − Harpegnathos saltator
WBGene00034053
0.95
A8XHF9 − Caenorhabditis briggsae
Q95Q02 − Caenorhabditis elegans
0.43
E3MID3 − Caenorhabditis remanei
0.94
G0P6J6 − Caenorhabditis brenneri
E1FLF9 − Loa loa
D4D0F8 − Trichophyton verrucosum
D4B197 − Arthroderma benhamiae
P27742 − Emericella nidulans
0.97
Q2U2A1 − Aspergillus oryzae

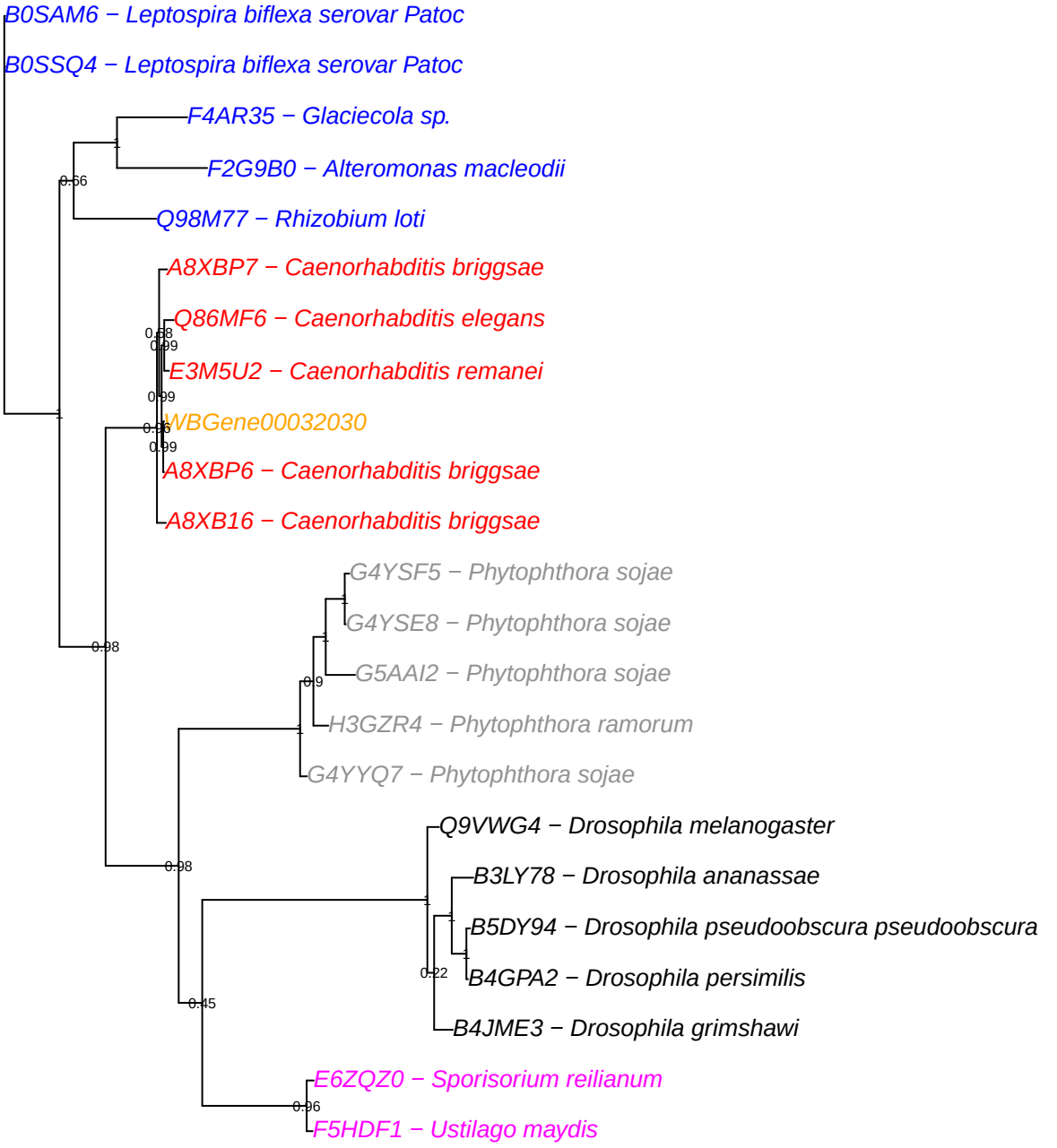

Q6BVR0 − Debaryomyces hansenii
Q6BR22 − Debaryomyces hansenii
E9F732 − Metarhizium anisopliae
Q8TUJ0 − Methanosarcina acetivorans
Q12XL1 − Methanococcoides burtonii
F0QYD8 − Vulcanisaeta moutnovskia
WBGene00033889
A8XGZ5 − Caenorhabditis briggsae
E3LQB4 − Caenorhabditis remanei
E3LQB8 − Caenorhabditis remanei
G0N9G2 − Caenorhabditis brenneri
G0N9G4 − Caenorhabditis brenneri
E9C9N6 − Capsaspora owczarzaki
E9C9N5 − Capsaspora owczarzaki
A9NDK0 − Coxiella burnetii
Q83CJ6 − Coxiella burnetii
A9KE61 − Coxiella burnetii
B6IZZ1 − Coxiella burnetii
B6J7E9 − Coxiella burnetii
H2TG12 − Takifugu rubripes
Q018V2 − Ostreococcus tauri
C1N0T9 − Micromonas pusilla
F0YGD3 − Aureococcus anophagefferens
D8LC04 − Ectocarpus siliculosus
G1KAZ5 − Anolis carolinensis
Q6P7K0 − Xenopus tropicalis
G1N332 − Meleagris gallopavo
H0ZB89 − Taeniopygia guttata
F7WCB6 − Sordaria macrospora
Q5K9Y9 − Cryptococcus neoformans var. neoformans serotype D
D8UDH6 − Volvox carteri
A8JFK2 − Chlamydomonas reinhardtii
E1Z5E4 − Chlorella variabilis
B8C1K4 − Thalassiosira pseudonana
0.89
0.75
0.95
0.99
1
0.95
0.83
0.11
0.98
1
0.87
0.93
0.99
0
0
0.44
0.93
0.74
0.82
0.84
0
0.5
0.98
0.55
0.96
0.94
0.97
0.83
0.8
0.57
0

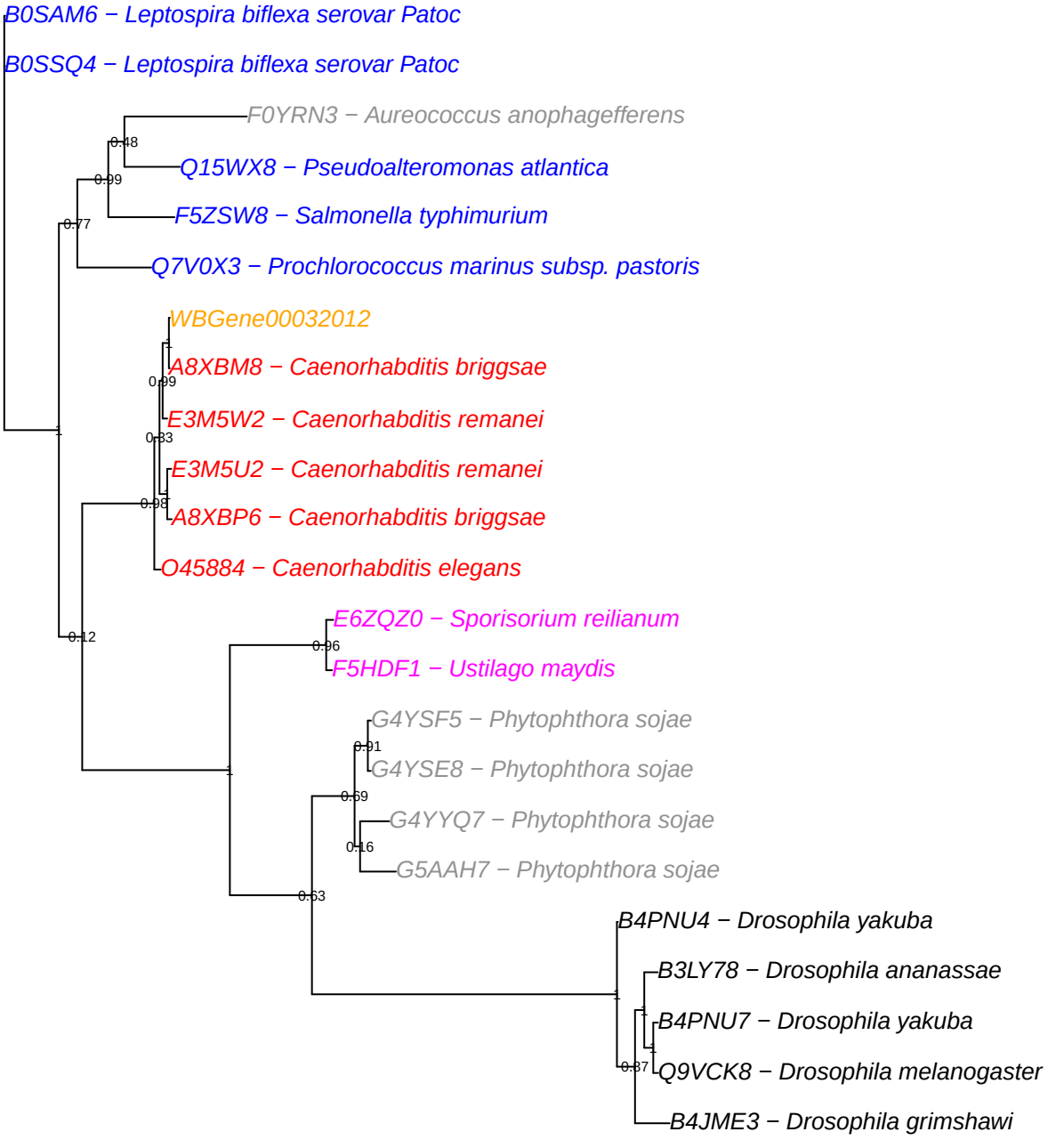

A6VJ95 − Methanococcus maripaludis
D7DSW6 − Methanococcus voltae
Q6LZ37 − Methanococcus maripaludis
A1DHM3 − Neosartorya fischeri
E9F732 − Metarhizium anisopliae
E9C9N6 − Capsaspora owczarzaki
E9C9N5 − Capsaspora owczarzaki
B4U9G8 − Hydrogenobaculum sp.
Q83CJ6 − Coxiella burnetii
A9KE61 − Coxiella burnetii
B6IZZ1 − Coxiella burnetii
B6J7E9 − Coxiella burnetii
WBGene00033888
A8XGZ4 − Caenorhabditis briggsae
E3LQB0 − Caenorhabditis remanei
E3LQB5 − Caenorhabditis remanei
G0N9G5 − Caenorhabditis brenneri
Q18926 − Caenorhabditis elegans
C1N0T9 − Micromonas pusilla
Q018V2 − Ostreococcus tauri
F0YGD3 − Aureococcus anophagefferens
B7G0H0 − Phaeodactylum tricornutum
D8LC04 − Ectocarpus siliculosus
A4YG92 − Metallosphaera sedula
D0KPX8 − Sulfolobus solfataricus
D8UDH6 − Volvox carteri
A8HXU2 − Chlamydomonas reinhardtii
D8R3G9 − Selaginella moellendorffii
G1KAZ5 − Anolis carolinensis
Q6P7K0 − Xenopus tropicalis
F7GD97 − Monodelphis domestica
H0ZB89 − Taeniopygia guttata
E1BXS8 − Gallus gallus
G8ZXQ9 − Torulaspora delbrueckii
G8BW13 − Tetrapisispora phaffii
Q6FL14 − Candida glabrata

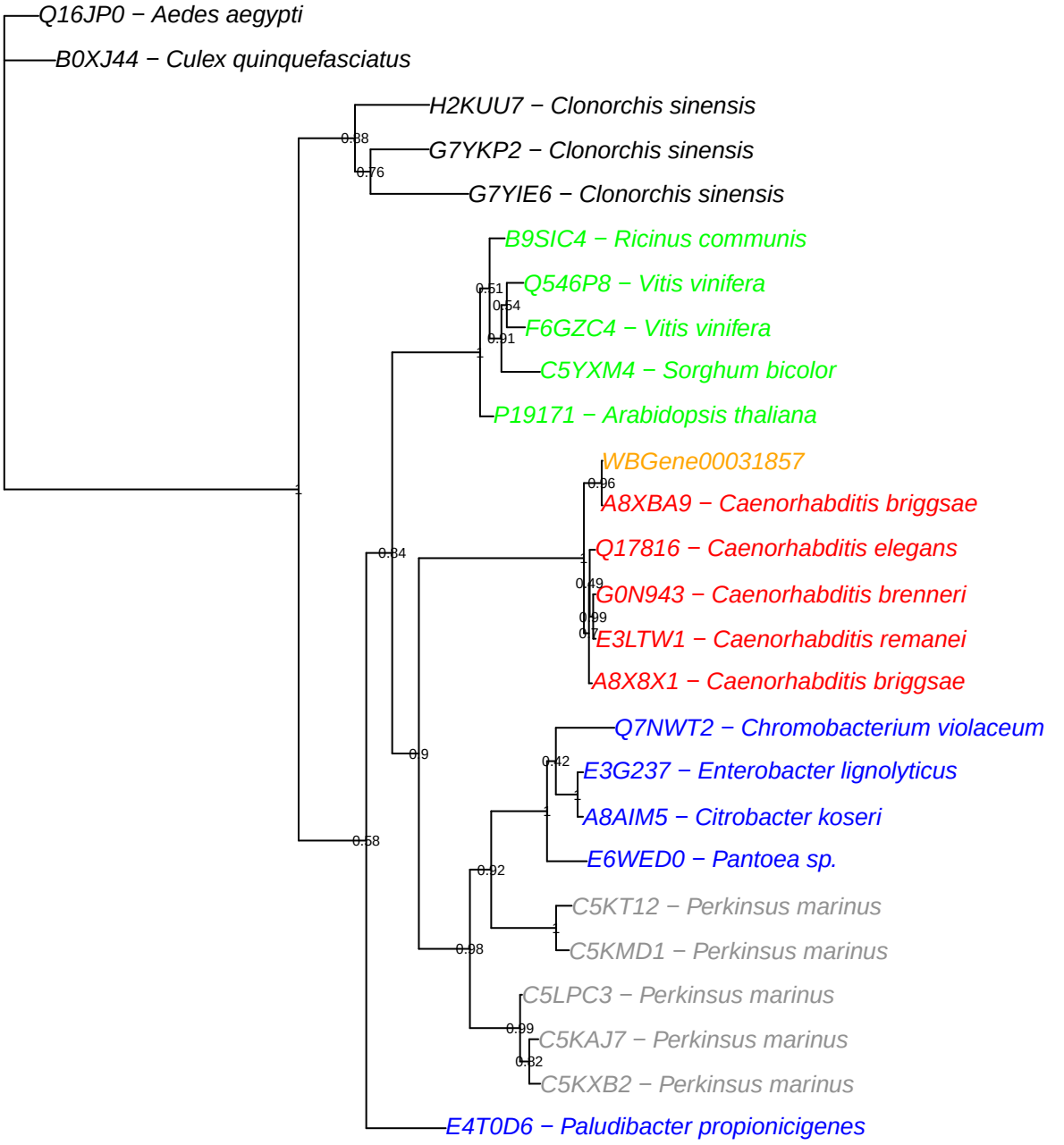

F4NWL5 − Batrachochytrium dendrobatidis
F4P737 − Batrachochytrium dendrobatidis
I1BTE0 − Rhizopus delemar
E3JYQ2 − Puccinia graminis f. sp. tritici
F4RLN8 − Melampsora larici−populina
O16331 − Caenorhabditis elegans
G0P531 − Caenorhabditis brenneri
WBGene00032496
A8XD63 − Caenorhabditis briggsae
E3M0R0 − Caenorhabditis remanei
H2WK05 − Caenorhabditis japonica
G4Z4C6 − Phytophthora sojae
D0NPP8 − Phytophthora infestans
F4PJN5 − Dictyostelium fasciculatum
Q76P11 − Dictyostelium discoideum
H2Z2K9 − Ciona savignyi
G1MSL6 − Meleagris gallopavo
G3VK56 − Sarcophilus harrisii
G3UFC6 − Loxodonta africana
G1PKF6 − Myotis lucifugus
Q8THY0 − Methanosarcina acetivorans
Q12YQ7 − Methanococcoides burtonii
B9M7B8 − Geobacter daltonii
Q2LRR0 − Syntrophus aciditrophicus
Q2FLJ9 − Methanospirillum hungatei JF−1
F6BJQ5 − Thermoanaerobacterium xylanolyticum
F4BZH1 − Methanosaeta concilii
Q8TIR0 − Methanosarcina acetivorans
A7GRK4 − Bacillus cereus subsp. cytotoxis
B5Y5Y6 − Coprothermobacter proteolyticus
A4RQL0 − Ostreococcus lucimarinus
Q01GZ3 − Ostreococcus tauri
E1ZE44 − Chlorella variabilis
D8THV5 − Volvox carteri
D3BBA2 − Polysphondylium pallidum
0.14
0.64
0.99
0.98
0.62
0.99
0.28
0.62
0.654
0.94
0.48
0.97
0.17

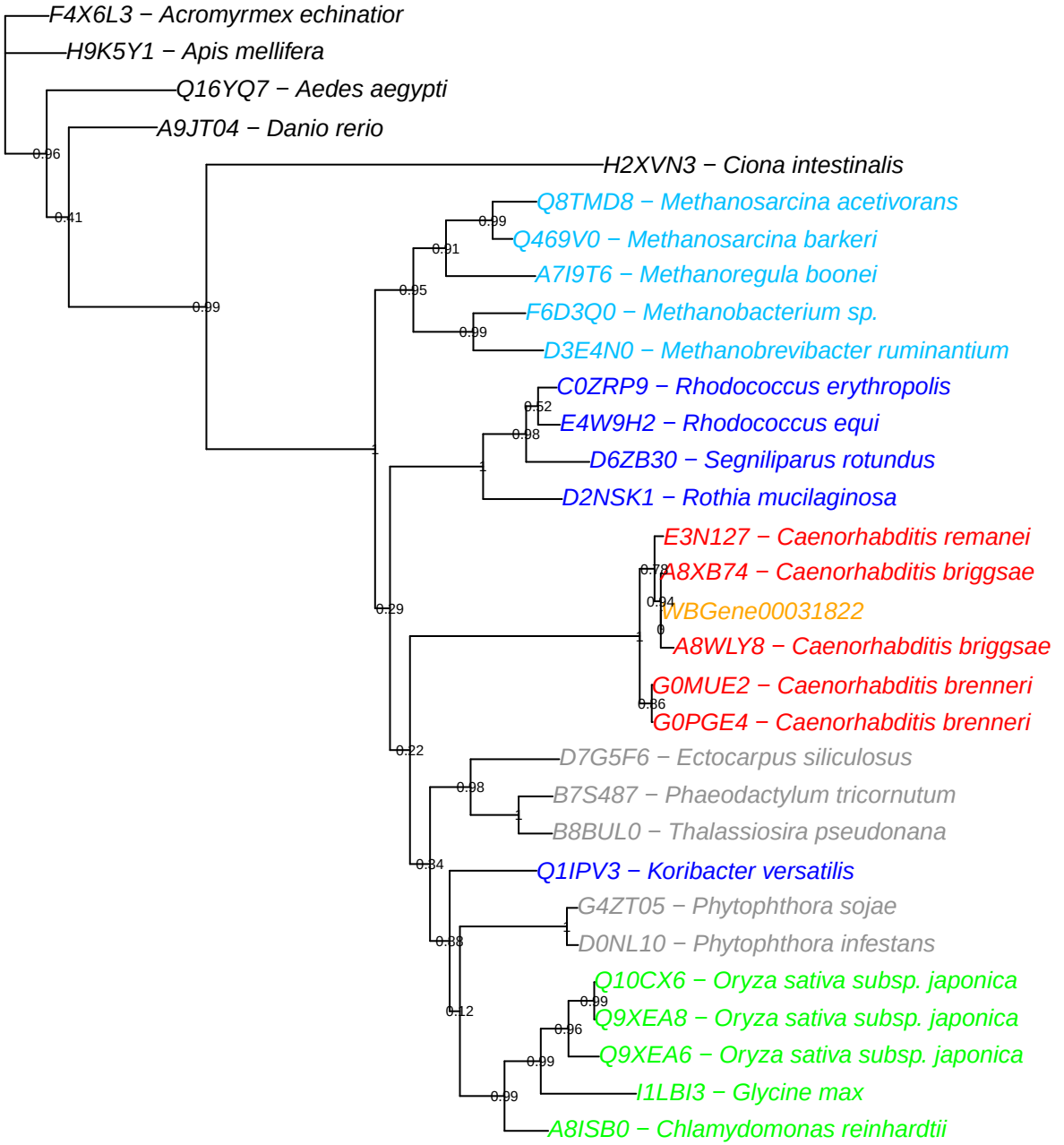

D7KAN7 − Arabidopsis lyrata subsp. lyrata
P33207 − Arabidopsis thaliana
C5XSJ4 − Sorghum bicolor
I1PHQ4 − Oryza glaberrima
A8M8Z2 − Caldivirga maquilingensis
E1QTT1 − Vulcanisaeta distributa
B9T9F0 − Ricinus communis
E1QLQ1 − Desulfarculus baarsii
WBGene00032148
A8XC82 − Caenorhabditis briggsae
E3LDB3 − Caenorhabditis remanei
Q21481 − Caenorhabditis elegans
G0MSH1 − Caenorhabditis brenneri
H2VRV4 − Caenorhabditis japonica
F0ZRR3 − Dictyostelium purpureum
Q9NKW1 − Dictyostelium discoideum
F4PRB8 − Dictyostelium fasciculatum
D3B226 − Polysphondylium pallidum
G0R207 − Ichthyophthirius multifiliis
H9G8B5 − Anolis carolinensis
Q4VA88 − Xenopus tropicalis
Q8AYH1 − Danio rerio
F7CLZ9 − Monodelphis domestica
E7ER27 − Homo sapiens
F4NYL2 − Batrachochytrium dendrobatidis
F2Z6I5 − Yarrowia lipolytica
C5JX43 − Ajellomyces dermatitidis
F2T5K2 − Ajellomyces dermatitidis
H1VB08 − Colletotrichum higginsianum
Q2NDF0 − Erythrobacter litoralis
G0AJA5 − Collimonas fungivorans
Q48MM6 − Pseudomonas syringae pv. phaseolicola
Q4ZXP1 − Pseudomonas syringae pv. syringae
0.29
0.84
0.98
0.65
0.21
0.98
0.99
0.49
0.98
0.88
0.46
0.88
0.92
0.96
0.76
0.88
0.14

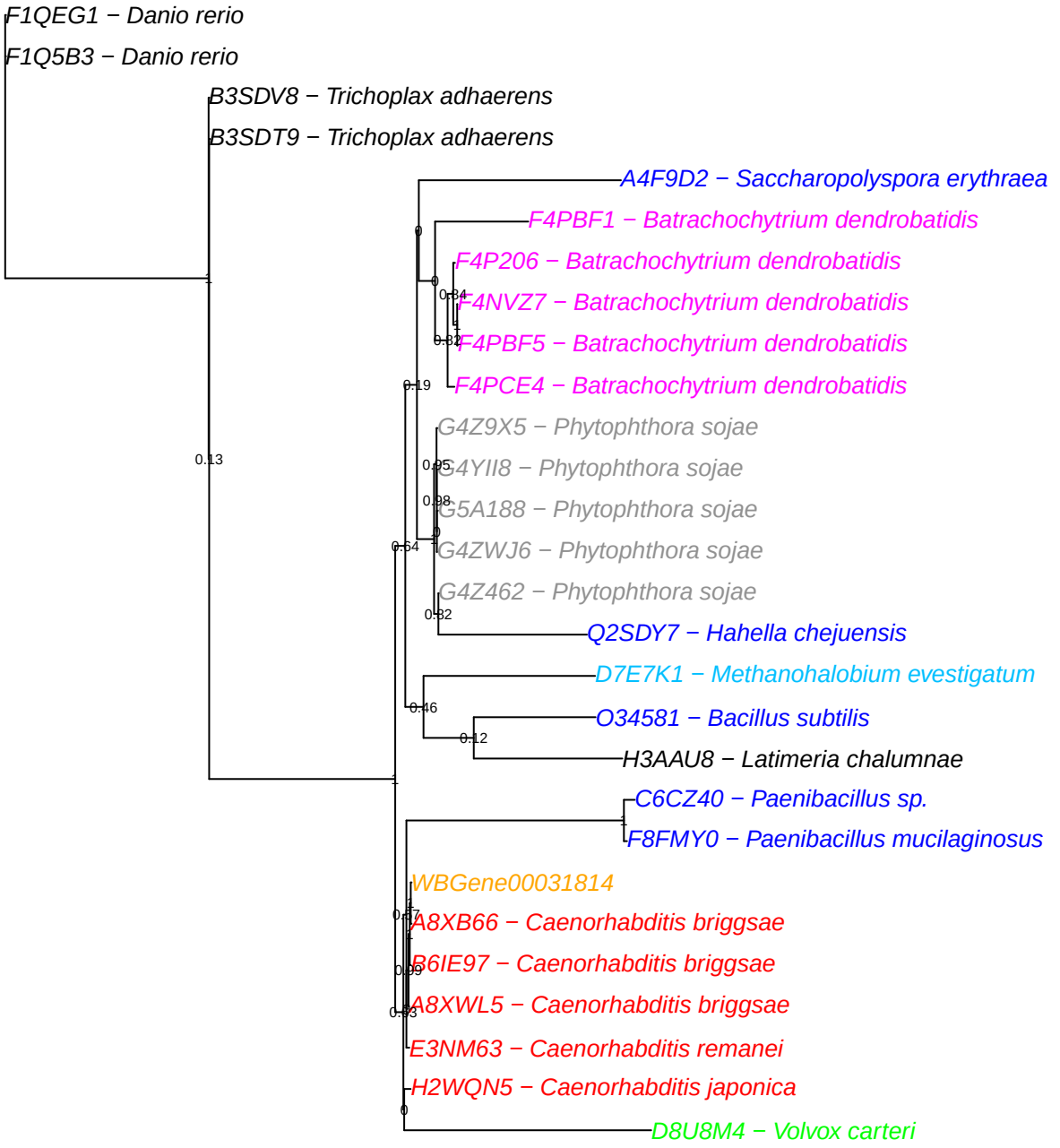

E6ZQZ0 − Sporisorium reilianum
0.96
F5HDF1 − Ustilago maydis
0.9
G4YYQ7 − Phytophthora sojae
1
G4YSF5 − Phytophthora sojae
1
G4YSE8 − Phytophthora sojae
0.64
D0NVH2 − Phytophthora infestans
Q15WX8 − Pseudoalteromonas atlantica
F4AR35 − Glaciecola sp.
B8C9L2 − Thalassiosira pseudonana
0
F2G9B0 − Alteromonas macleodii
WBGene00032031
0.64
A8XBP7 − Caenorhabditis briggsae
1
0.93
A8XBP6 − Caenorhabditis briggsae
0.89
E3M5U2 − Caenorhabditis remanei
0.74
0.99
Q86MF6 − Caenorhabditis elegans
1
O44402 − Caenorhabditis elegans
0.56
B3LY78 − Drosophila ananassae
1
B4JME3 − Drosophila grimshawi
0.66
B5DY94 − Drosophila pseudoobscura pseudoobscura
0.51
1
B5DY95 − Drosophila pseudoobscura pseudoobscura
B4GPA2 − Drosophila persimilis
A9WMK6 − Renibacterium salmoninarum
0.619
Q98M77 − Rhizobium loti

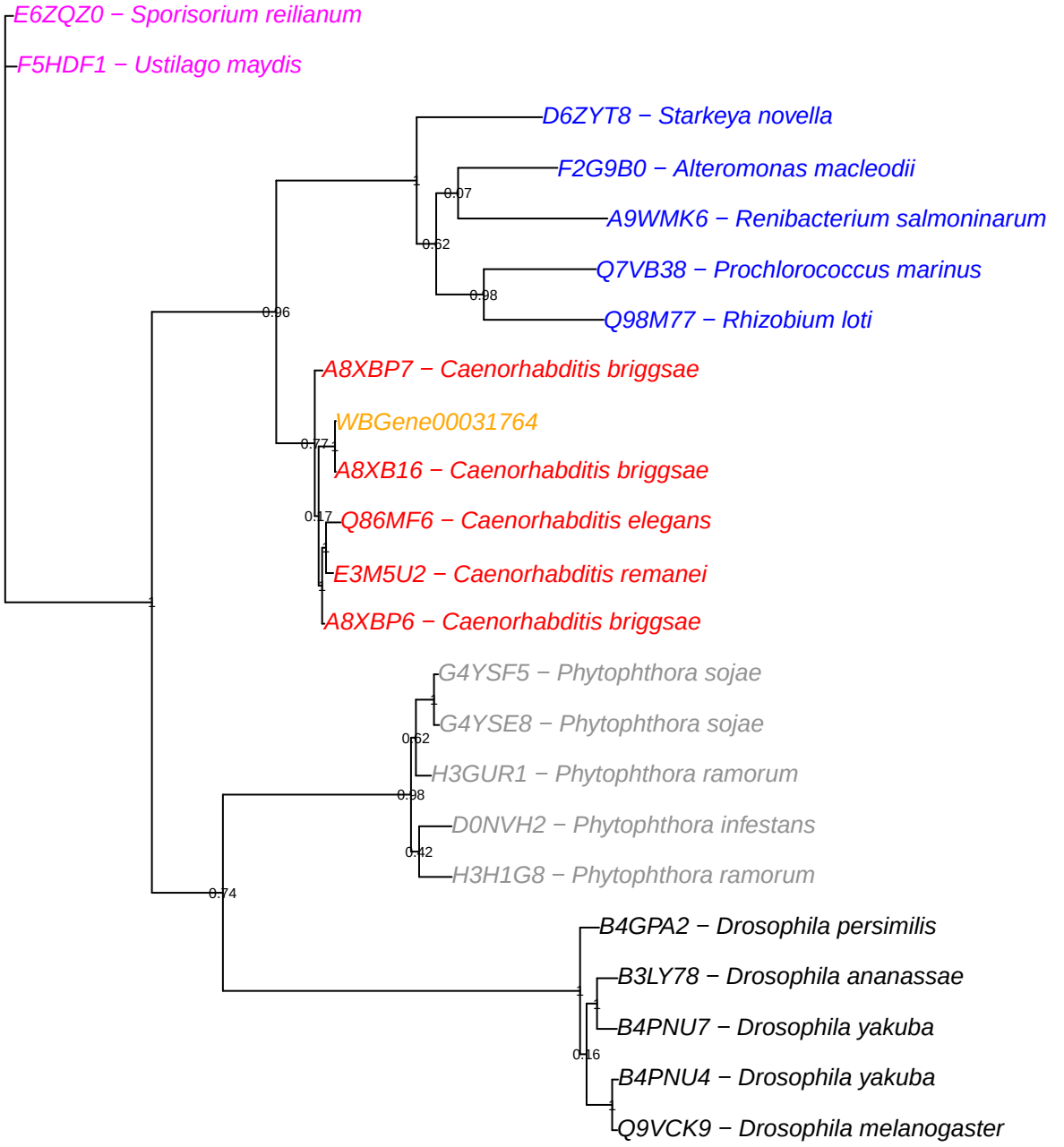

B0SAM6 − Leptospira biflexa serovar Patoc
B0SSQ4 − Leptospira biflexa serovar Patoc
F4AR35 − Glaciecola sp.
F2G9B0 − Alteromonas macleodii
Q98M77 − Rhizobium loti
A8XBP7 − Caenorhabditis briggsae
Q86MF6 − Caenorhabditis elegans
E3M5U2 − Caenorhabditis remanei
WBGene00032030
A8XBP6 − Caenorhabditis briggsae
A8XB16 − Caenorhabditis briggsae
G4YSF5 − Phytophthora sojae
G4YSE8 − Phytophthora sojae
G5AAI2 − Phytophthora sojae
H3GZR4 − Phytophthora ramorum
G4YYQ7 − Phytophthora sojae
Q9VWG4 − Drosophila melanogaster
B3LY78 − Drosophila ananassae
B5DY94 − Drosophila pseudoobscura pseudoobscura
B4GPA2 − Drosophila persimilis
B4JME3 − Drosophila grimshawi
E6ZQZ0 − Sporisorium reilianum
F5HDF1 − Ustilago maydis
0.66
0.98
0.99
0.99
0.99
0.99
0.98
0.9
0.98
0.22
0.45
0.96

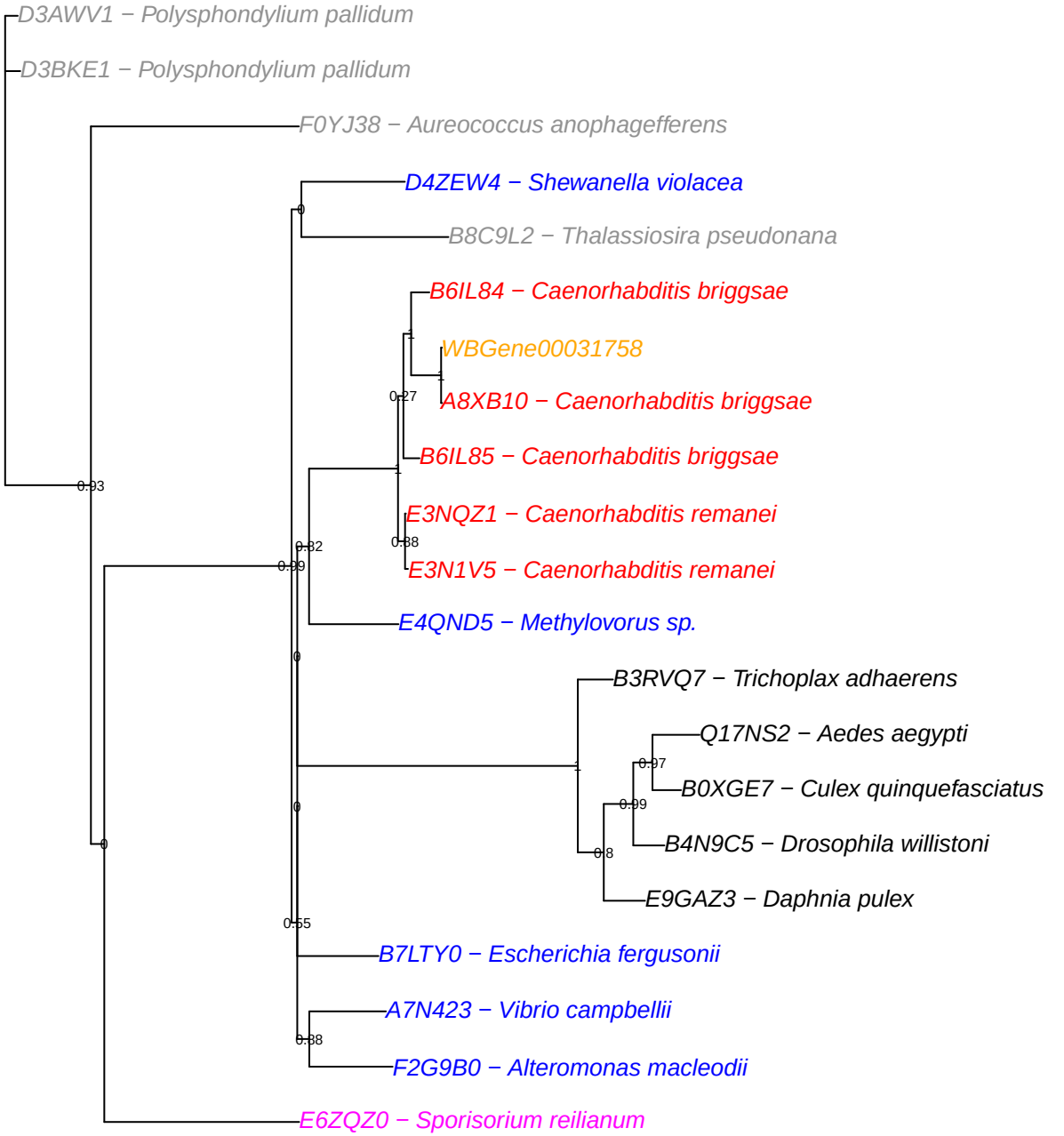

B0SAM6 − Leptospira biflexa serovar Patoc
B0SSQ4 − Leptospira biflexa serovar Patoc
F0YRN3 − Aureococcus anophagefferens
0.48
Q15WX8 − Pseudoalteromonas atlantica
0.99
F5ZSW8 − Salmonella typhimurium
0.77
Q7V0X3 − Prochlorococcus marinus subsp. pastoris
WBGene00032012
A8XBM8 − Caenorhabditis briggsae
0.99
E3M5W2 − Caenorhabditis remanei
1
0.83
E3M5U2 − Caenorhabditis remanei
0.98
A8XBP6 − Caenorhabditis briggsae
O45884 − Caenorhabditis elegans
E6ZQZ0 − Sporisorium reilianum
0.12
0.96
F5HDF1 − Ustilago maydis
G4YSF5 − Phytophthora sojae
0.91
G4YSE8 − Phytophthora sojae
1
0.69
G4YYQ7 − Phytophthora sojae
0.16
G5AAH7 − Phytophthora sojae
0.53
B4PNU4 − Drosophila yakuba
B3LY78 − Drosophila ananassae
1
1
B4PNU7 − Drosophila yakuba
1
0.87
Q9VCK8 − Drosophila melanogaster
B4JME3 − Drosophila grimshawi

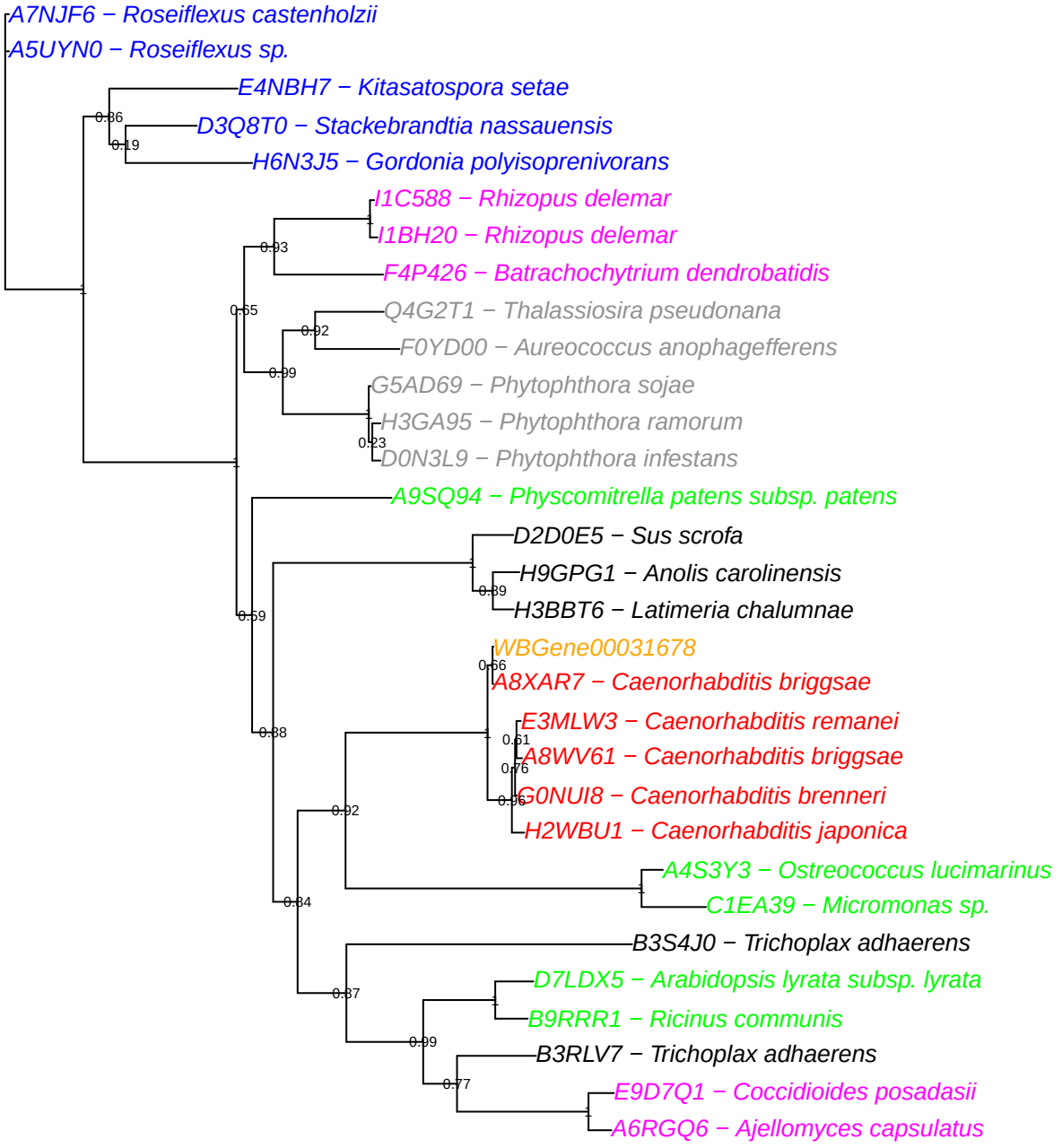

Q16JP0 − Aedes aegypti
B0XJ44 − Culex quinquefasciatus
H2KUU7 − Clonorchis sinensis
G7YKP2 − Clonorchis sinensis
G7YIE6 − Clonorchis sinensis
B9SIC4 − Ricinus communis
Q546P8 − Vitis vinifera
F6GZC4 − Vitis vinifera
C5YXM4 − Sorghum bicolor
P19171 − Arabidopsis thaliana
WBGene00031857
A8XBA9 − Caenorhabditis briggsae
Q17816 − Caenorhabditis elegans
G0N943 − Caenorhabditis brenneri
E3LTW1 − Caenorhabditis remanei
A8X8X1 − Caenorhabditis briggsae
Q7NWT2 − Chromobacterium violaceum
E3G237 − Enterobacter lignolyticus
A8AIM5 − Citrobacter koseri
E6WED0 − Pantoea sp.
C5KT12 − Perkinsus marinus
C5KMD1 − Perkinsus marinus
C5LPC3 − Perkinsus marinus
C5KAJ7 − Perkinsus marinus
C5KXB2 − Perkinsus marinus
E4T0D6 − Paludibacter propionicigenes
0.88
0.76
0.51
0.64
0.91
0.96
0.84
0.49
0.99
0.7
0.9
0.42
0.58
0.92
0.98
0.99
0.82

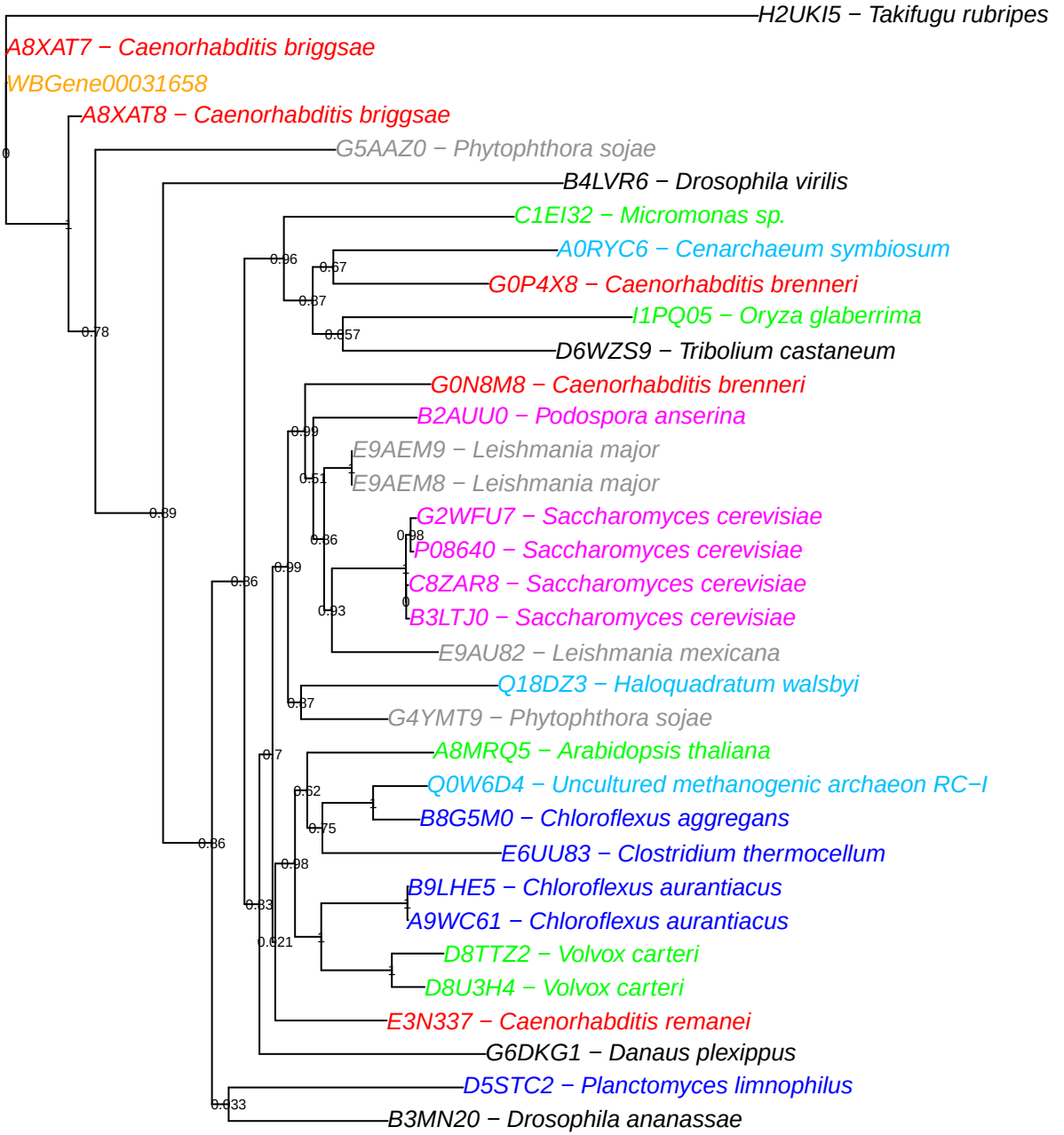

F4X6L3 − Acromyrmex echinatior
H9K5Y1 − Apis mellifera
Q16YQ7 − Aedes aegypti
A9JT04 − Danio rerio
H2XVN3 − Ciona intestinalis
Q8TMD8 − Methanosarcina acetivorans
Q469V0 − Methanosarcina barkeri
A7I9T6 − Methanoregula boonei
F6D3Q0 − Methanobacterium sp.
D3E4N0 − Methanobrevibacter ruminantium
C0ZRP9 − Rhodococcus erythropolis
E4W9H2 − Rhodococcus equi
D6ZB30 − Segniliparus rotundus
D2NSK1 − Rothia mucilaginosa
E3N127 − Caenorhabditis remanei
A8XB74 − Caenorhabditis briggsae
WBGene00031822
A8WLY8 − Caenorhabditis briggsae
G0MUE2 − Caenorhabditis brenneri
G0PGE4 − Caenorhabditis brenneri
D7G5F6 − Ectocarpus siliculosus
B7S487 − Phaeodactylum tricornutum
B8BUL0 − Thalassiosira pseudonana
Q1IPV3 − Koribacter versatilis
G4ZT05 − Phytophthora sojae
D0NL10 − Phytophthora infestans
Q10CX6 − Oryza sativa subsp. japonica
Q9XEA8 − Oryza sativa subsp. japonica
Q9XEA6 − Oryza sativa subsp. japonica
I1LBI3 − Glycine max
A8ISB0 − Chlamydomonas reinhardtii
0.96
0.41
0.99
0.99
0.91
0.95
0.99
0.52
0.98
1
1
0.29
0.78
0.94
0
1
0.86
0.22
0.98
1
0.84
1
0.88
0.12
0.99
0.96
0.99
0.99

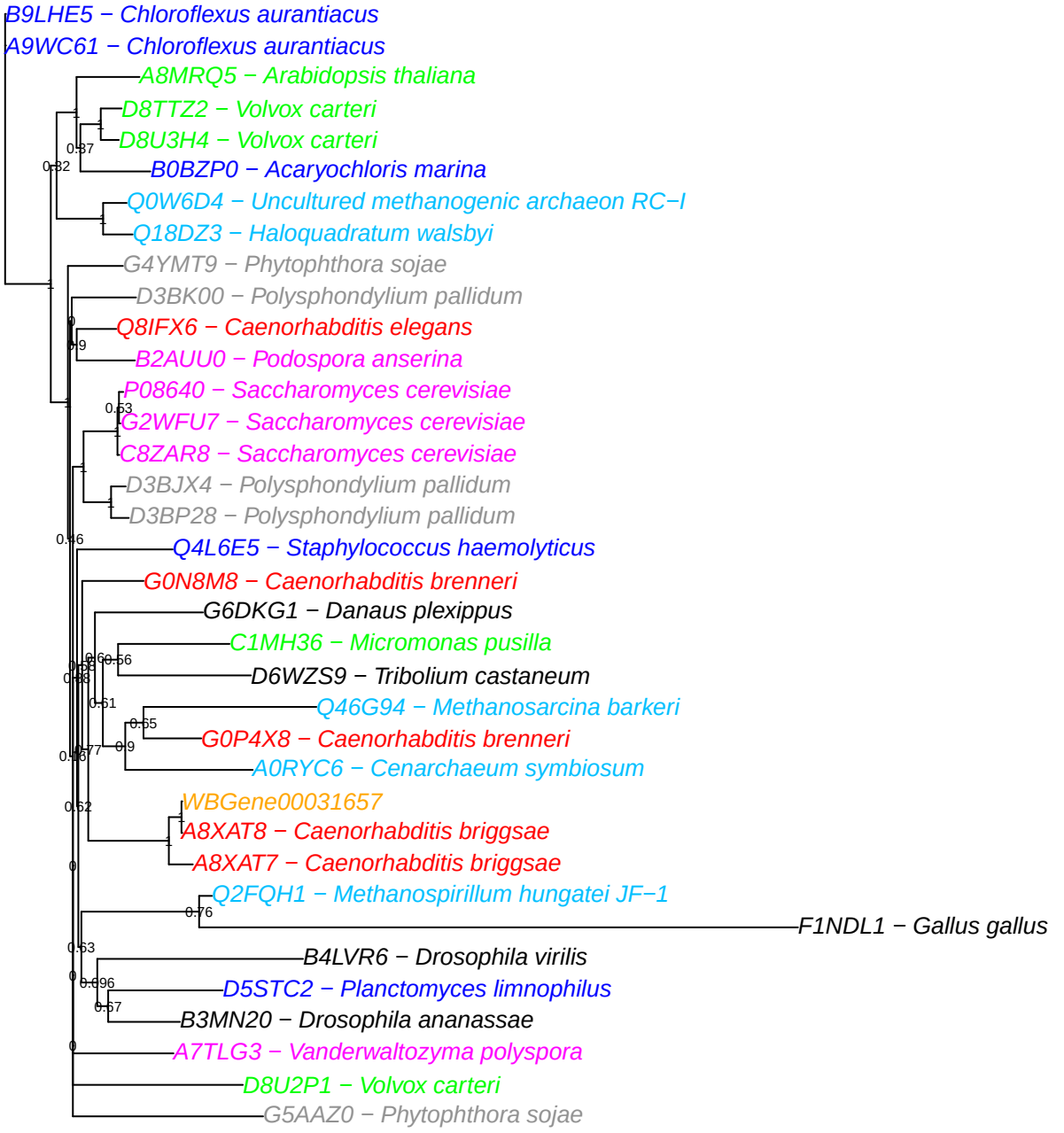

F1QEG1 − Danio rerio
F1Q5B3 − Danio rerio
B3SDV8 − Trichoplax adhaerens
B3SDT9 − Trichoplax adhaerens
A4F9D2 − Saccharopolyspora erythraea
F4PBF1 − Batrachochytrium dendrobatidis
F4P206 − Batrachochytrium dendrobatidis
F4NVZ7 − Batrachochytrium dendrobatidis
F4PBF5 − Batrachochytrium dendrobatidis
F4PCE4 − Batrachochytrium dendrobatidis
G4Z9X5 − Phytophthora sojae
G4YII8 − Phytophthora sojae
G5A188 − Phytophthora sojae
G4ZWJ6 − Phytophthora sojae
G4Z462 − Phytophthora sojae
Q2SDY7 − Hahella chejuensis
D7E7K1 − Methanohalobium evestigatum
O34581 − Bacillus subtilis
H3AAU8 − Latimeria chalumnae
C6CZ40 − Paenibacillus sp.
F8FMY0 − Paenibacillus mucilaginosus
WBGene00031814
A8XB66 − Caenorhabditis briggsae
B6IE97 − Caenorhabditis briggsae
A8XWL5 − Caenorhabditis briggsae
E3NM63 − Caenorhabditis remanei
H2WQN5 − Caenorhabditis japonica
D8U8M4 − Volvox carteri
0.13
0.19
0.84
0.32
0.95
0.98
0.64
0.32
0.46
0.12
0.99
0.93

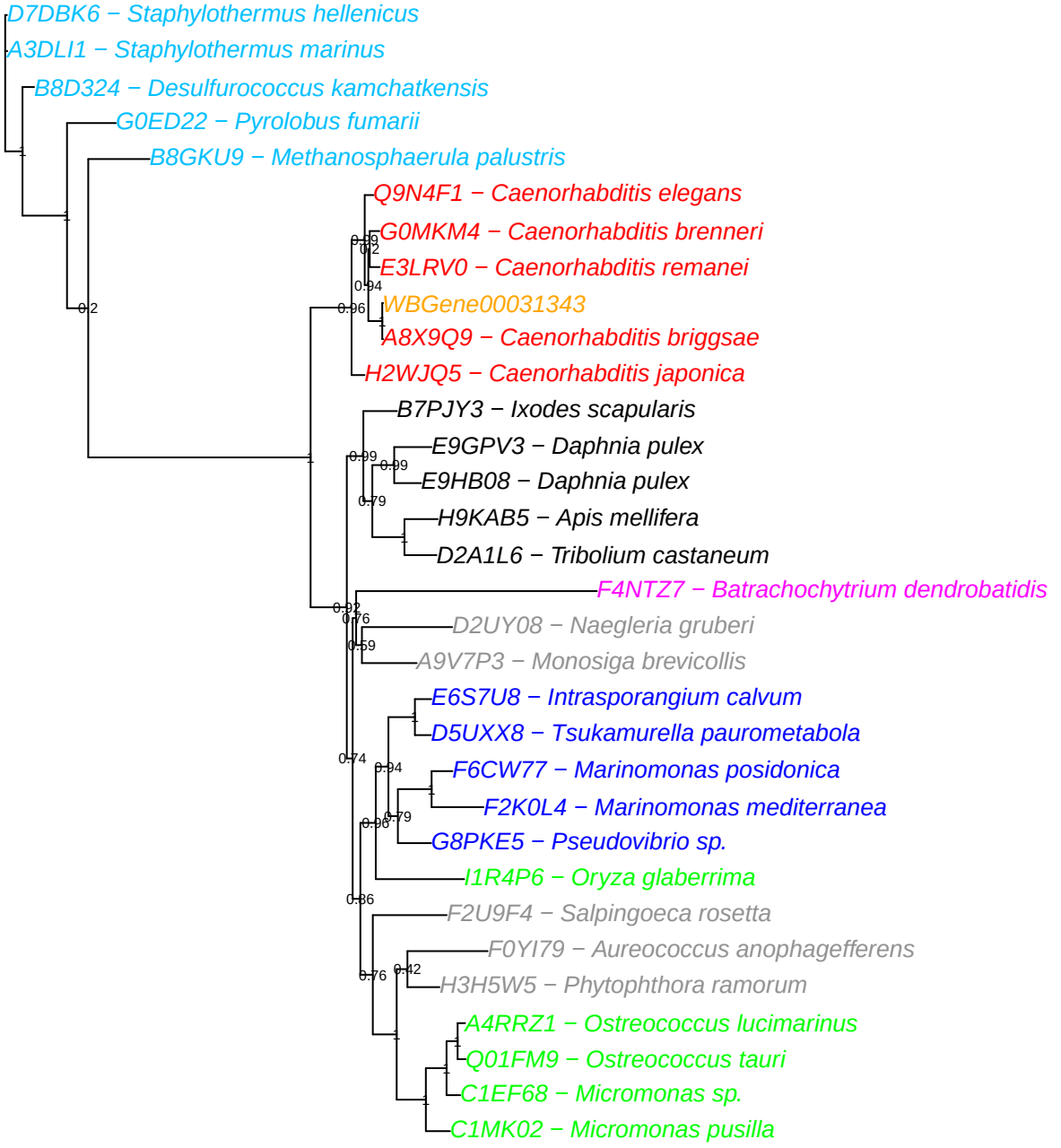

E6ZQZ0 − Sporisorium reilianum
F5HDF1 − Ustilago maydis
D6ZYT8 − Starkeya novella
F2G9B0 − Alteromonas macleodii
A9WMK6 − Renibacterium salmoninarum
Q7VB38 − Prochlorococcus marinus
Q98M77 − Rhizobium loti
A8XBP7 − Caenorhabditis briggsae
WBGene00031764
A8XB16 − Caenorhabditis briggsae
Q86MF6 − Caenorhabditis elegans
E3M5U2 − Caenorhabditis remanei
A8XBP6 − Caenorhabditis briggsae
G4YSF5 − Phytophthora sojae
G4YSE8 − Phytophthora sojae
H3GUR1 − Phytophthora ramorum
D0NVH2 − Phytophthora infestans
H3H1G8 − Phytophthora ramorum
B4GPA2 − Drosophila persimilis
B3LY78 − Drosophila ananassae
B4PNU7 − Drosophila yakuba
B4PNU4 − Drosophila yakuba
Q9VCK9 − Drosophila melanogaster
0.07
0.62
0.98
0.96
0.77
0.17
0.62
0.98
0.42
0.74
0.16

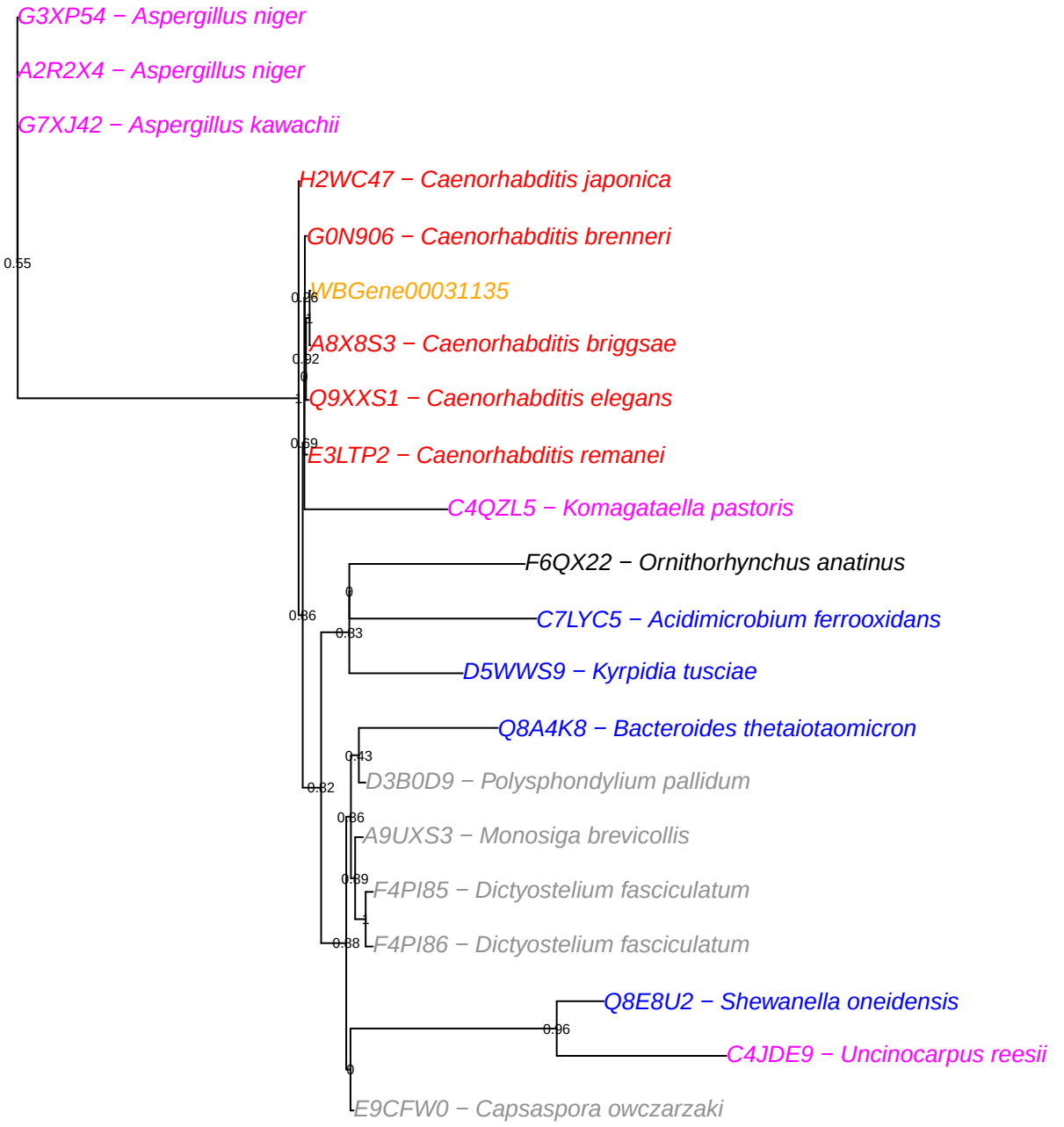

D3AWV1 − Polysphondylium pallidum
D3BKE1 − Polysphondylium pallidum
F0YJ38 − Aureococcus anophagefferens
D4ZEW4 − Shewanella violacea
B8C9L2 − Thalassiosira pseudonana
B6IL84 − Caenorhabditis briggsae
WBGene00031758
A8XB10 − Caenorhabditis briggsae
B6IL85 − Caenorhabditis briggsae
E3NQZ1 − Caenorhabditis remanei
E3N1V5 − Caenorhabditis remanei
E4QND5 − Methylovorus sp.
B3RVQ7 − Trichoplax adhaerens
Q17NS2 − Aedes aegypti
B0XGE7 − Culex quinquefasciatus
B4N9C5 − Drosophila willistoni
E9GAZ3 − Daphnia pulex
B7LTY0 − Escherichia fergusonii
A7N423 − Vibrio campbellii
F2G9B0 − Alteromonas macleodii
E6ZQZ0 − Sporisorium reilianum
0.93
0.82
0.99
0.27
0.88
0.97
0.99
0.8
0.55
0.88

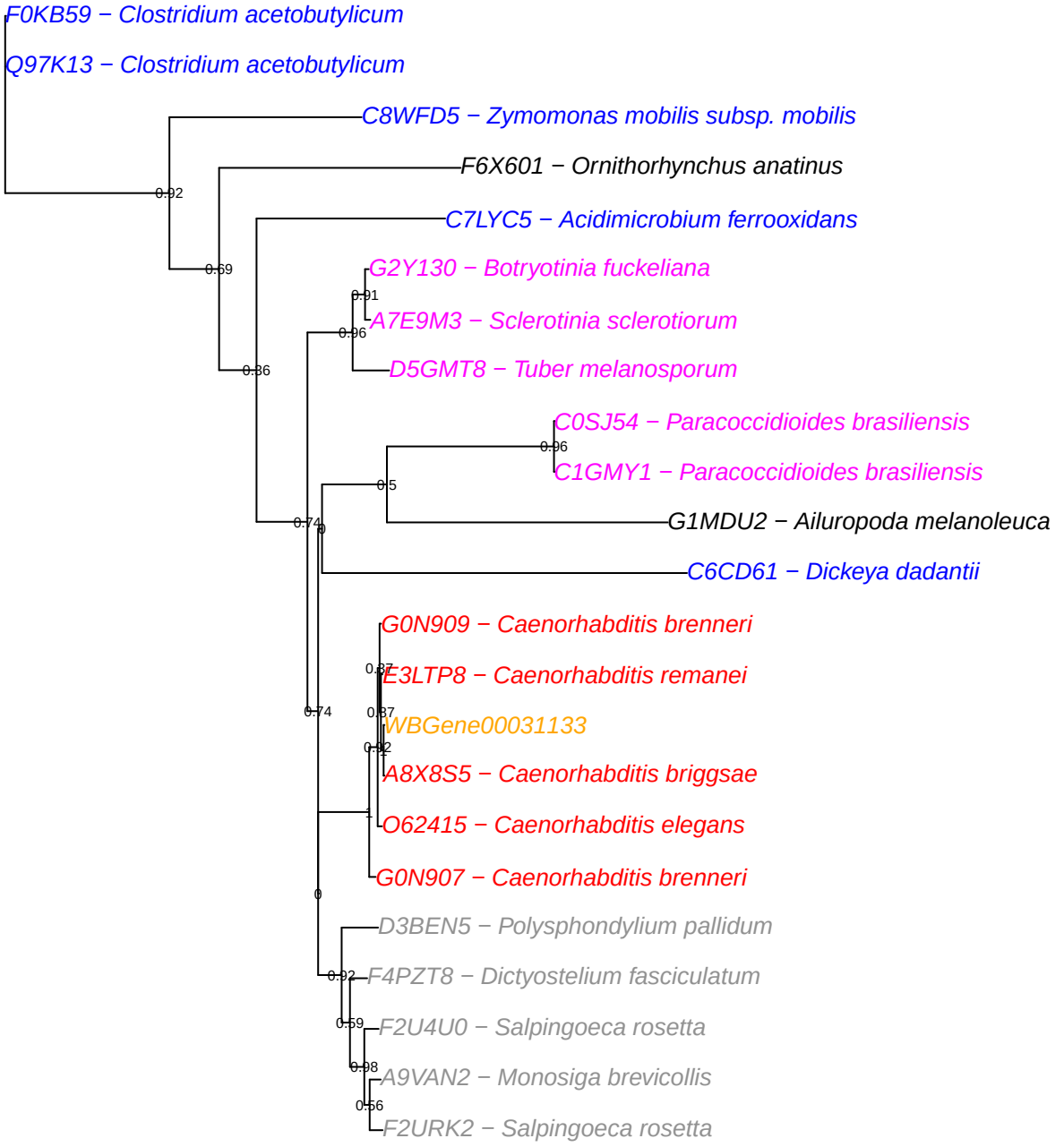

A7NJF6 − Roseiflexus castenholzii
A5UYN0 − Roseiflexus sp.
E4NBH7 − Kitasatospora setae
D3Q8T0 − Stackebrandtia nassauensis
H6N3J5 − Gordonia polyisoprenivorans
I1C588 − Rhizopus delemar
I1BH20 − Rhizopus delemar
F4P426 − Batrachochytrium dendrobatidis
Q4G2T1 − Thalassiosira pseudonana
F0YD00 − Aureococcus anophagefferens
G5AD69 − Phytophthora sojae
H3GA95 − Phytophthora ramorum
D0N3L9 − Phytophthora infestans
A9SQ94 − Physcomitrella patens subsp. patens
D2D0E5 − Sus scrofa
H9GPG1 − Anolis carolinensis
H3BBT6 − Latimeria chalumnae
WBGene00031678
A8XAR7 − Caenorhabditis briggsae
E3MLW3 − Caenorhabditis remanei
A8WV61 − Caenorhabditis briggsae
G0NUI8 − Caenorhabditis brenneri
H2WBU1 − Caenorhabditis japonica
A4S3Y3 − Ostreococcus lucimarinus
C1EA39 − Micromonas sp.
B3S4J0 − Trichoplax adhaerens
D7LDX5 − Arabidopsis lyrata subsp. lyrata
B9RRR1 − Ricinus communis
B3RLV7 − Trichoplax adhaerens
E9D7Q1 − Coccidioides posadasii
A6RGQ6 − Ajellomyces capsulatus
0.86
0.19
0.93
0.65
0.92
0.99
0.23
0.59
0.89
0.66
0.88
0.61
0.76
0.96
0.92
0.84
0.87
0.99
0.77

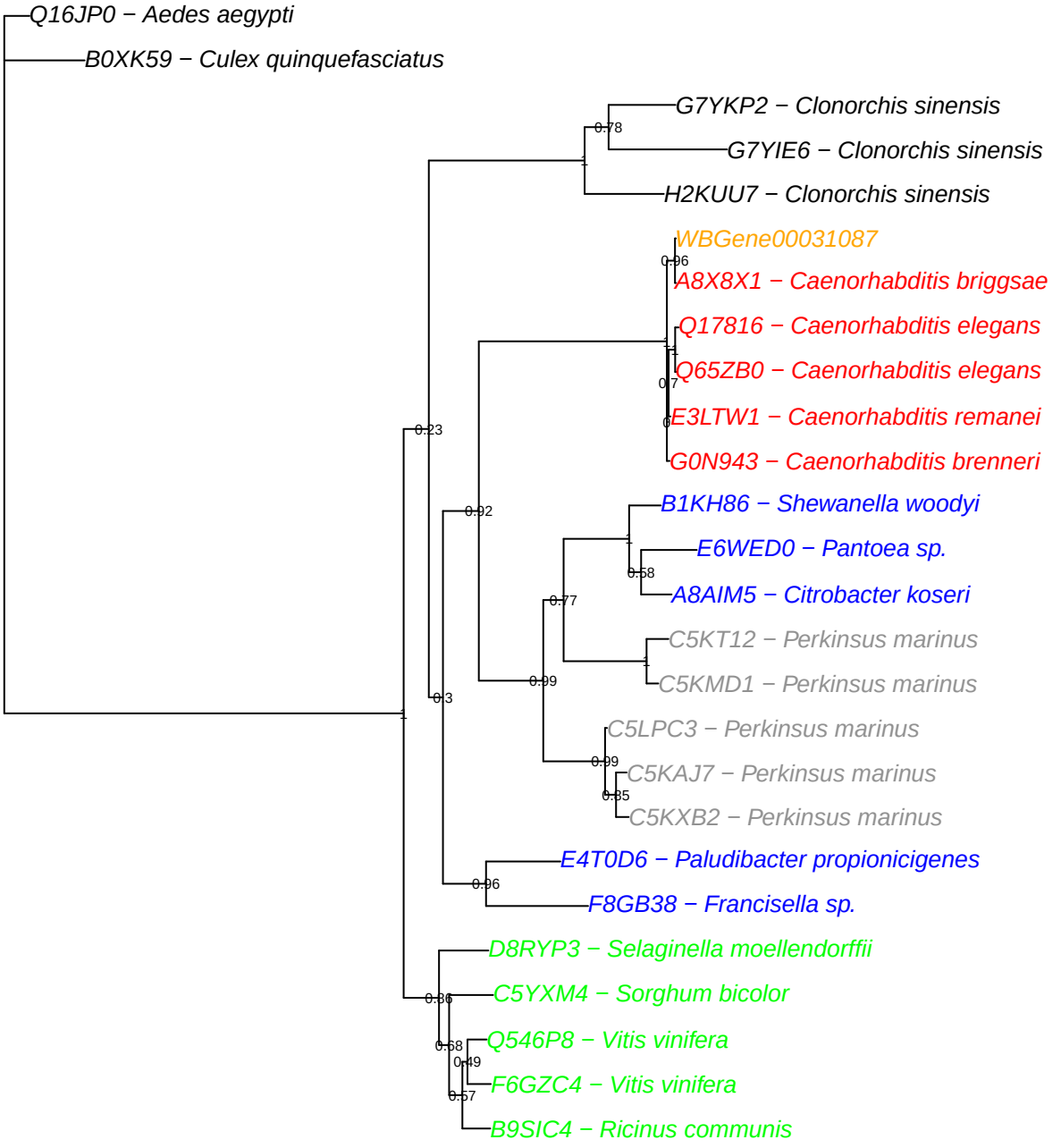

H2UKI5 − Takifugu rubripes
A8XAT7 − Caenorhabditis briggsae
WBGene00031658
A8XAT8 − Caenorhabditis briggsae
G5AAZ0 − Phytophthora sojae
B4LVR6 − Drosophila virilis
C1EI32 − Micromonas sp.
A0RYC6 − Cenarchaeum symbiosum
G0P4X8 − Caenorhabditis brenneri
I1PQ05 − Oryza glaberrima
D6WZS9 − Tribolium castaneum
G0N8M8 − Caenorhabditis brenneri
B2AUU0 − Podospora anserina
E9AEM9 − Leishmania major
E9AEM8 − Leishmania major
G2WFU7 − Saccharomyces cerevisiae
P08640 − Saccharomyces cerevisiae
C8ZAR8 − Saccharomyces cerevisiae
B3LTJ0 − Saccharomyces cerevisiae
E9AU82 − Leishmania mexicana
Q18DZ3 − Haloquadratum walsbyi
G4YMT9 − Phytophthora sojae
A8MRQ5 − Arabidopsis thaliana
Q0W6D4 − Uncultured methanogenic archaeon RC−I
B8G5M0 − Chloroflexus aggregans
E6UU83 − Clostridium thermocellum
B9LHE5 − Chloroflexus aurantiacus
A9WC61 − Chloroflexus aurantiacus
D8TTZ2 − Volvox carteri
D8U3H4 − Volvox carteri
E3N337 − Caenorhabditis remanei
G6DKG1 − Danaus plexippus
D5STC2 − Planctomyces limnophilus
B3MN20 − Drosophila ananassae
0
1
0.78
0.89
0.96
0.67
0.87
0.657
0.99
0.51
0.86
0.98
0
0.93
0.99
0.86
0.87
0.7
0.52
0.75
0.86
0.98
0.83
0.821
0.633

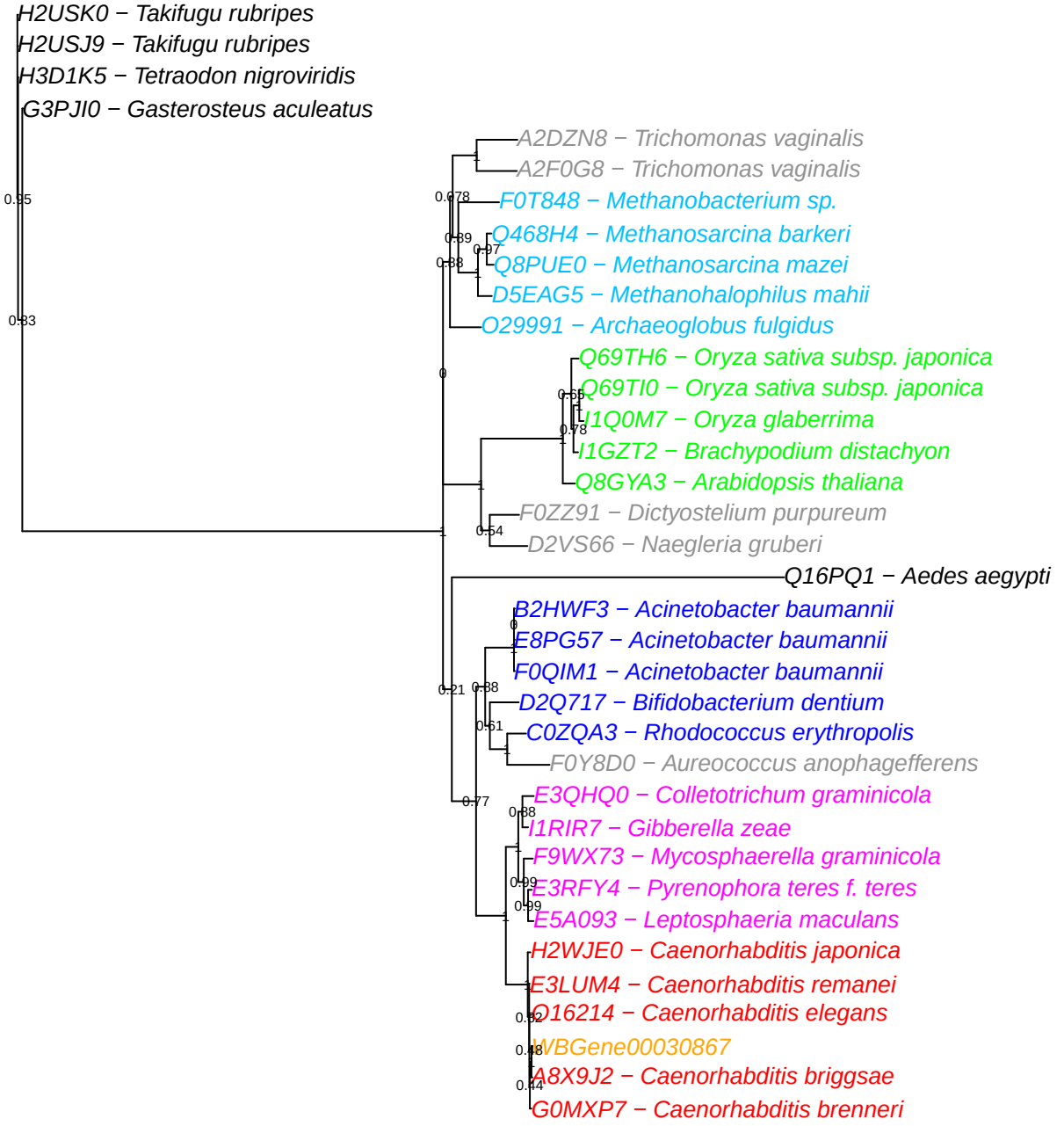

B9LHE5 − Chloroflexus aurantiacus
A9WC61 − Chloroflexus aurantiacus
A8MRQ5 − Arabidopsis thaliana
D8TTZ2 − Volvox carteri
D8U3H4 − Volvox carteri
B0BZP0 − Acaryochloris marina
Q0W6D4 − Uncultured methanogenic archaeon RC−I
Q18DZ3 − Haloquadratum walsbyi
G4YMT9 − Phytophthora sojae
D3BK00 − Polysphondylium pallidum
Q8IFX6 − Caenorhabditis elegans
B2AUU0 − Podospora anserina
P08640 − Saccharomyces cerevisiae
G2WFU7 − Saccharomyces cerevisiae
C8ZAR8 − Saccharomyces cerevisiae
D3BJX4 − Polysphondylium pallidum
D3BP28 − Polysphondylium pallidum
Q4L6E5 − Staphylococcus haemolyticus
G0N8M8 − Caenorhabditis brenneri
G6DKG1 − Danaus plexippus
C1MH36 − Micromonas pusilla
D6WZS9 − Tribolium castaneum
Q46G94 − Methanosarcina barkeri
G0P4X8 − Caenorhabditis brenneri
A0RYC6 − Cenarchaeum symbiosum
WBGene00031657
A8XAT8 − Caenorhabditis briggsae
A8XAT7 − Caenorhabditis briggsae
Q2FQH1 − Methanospirillum hungatei JF−1
F1NDL1 − Gallus gallus
B4LVR6 − Drosophila virilis
D5STC2 − Planctomyces limnophilus
B3MN20 − Drosophila ananassae
A7TLG3 − Vanderwaltozyma polyspora
D8U2P1 − Volvox carteri
G5AAZ0 − Phytophthora sojae


D7DBK6 − Staphylothermus hellenicus
A3DLI1 − Staphylothermus marinus
B8D324 − Desulfurococcus kamchatkensis
G0ED22 − Pyrolobus fumarii
B8GKU9 − Methanosphaerula palustris
Q9N4F1 − Caenorhabditis elegans
G0MKM4 − Caenorhabditis brenneri
E3LRV0 − Caenorhabditis remanei
WBGene00031343
A8X9Q9 − Caenorhabditis briggsae
H2WJQ5 − Caenorhabditis japonica
B7PJY3 − Ixodes scapularis
E9GPV3 − Daphnia pulex
E9HB08 − Daphnia pulex
H9KAB5 − Apis mellifera
D2A1L6 − Tribolium castaneum
F4NTZ7 − Batrachochytrium dendrobatidis
D2UY08 − Naegleria gruberi
A9V7P3 − Monosiga brevicollis
E6S7U8 − Intrasporangium calvum
D5UXX8 − Tsukamurella paurometabola
F6CW77 − Marinomonas posidonica
F2K0L4 − Marinomonas mediterranea
G8PKE5 − Pseudovibrio sp.
I1R4P6 − Oryza glaberrima
F2U9F4 − Salpingoeca rosetta
F0YI79 − Aureococcus anophagefferens
H3H5W5 − Phytophthora ramorum
A4RRZ1 − Ostreococcus lucimarinus
Q01FM9 − Ostreococcus tauri
C1EF68 − Micromonas sp.
C1MK02 − Micromonas pusilla


G3XP54 − Aspergillus niger
A2R2X4 − Aspergillus niger
G7XJ42 − Aspergillus kawachii
H2WC47 − Caenorhabditis japonica
G0N906 − Caenorhabditis brenneri
WBGene00031135
A8X8S3 − Caenorhabditis briggsae
Q9XXS1 − Caenorhabditis elegans
E3LTP2 − Caenorhabditis remanei
C4QZL5 − Komagataella pastoris
F6QX22 − Ornithorhynchus anatinus
C7LYC5 − Acidimicrobium ferrooxidans
D5WWS9 − Kyrpidia tusciae
Q8A4K8 − Bacteroides thetaiotaomicron
D3B0D9 − Polysphondylium pallidum
A9UXS3 − Monosiga brevicollis
F4PI85 − Dictyostelium fasciculatum
F4PI86 − Dictyostelium fasciculatum
Q8E8U2 − Shewanella oneidensis
C4JDE9 − Uncinocarpus reesii
E9CFW0 − Capsaspora owczarzaki
0.55
0.96
0.92
0.69
0.96
0.83
0.43
0.82
0.86
0.89
0.88
0.96


F0KB59 − Clostridium acetobutylicum
Q97K13 − Clostridium acetobutylicum
C8WFD5 − Zymomonas mobilis subsp. mobilis
F6X601 − Ornithorhynchus anatinus
C7LYC5 − Acidimicrobium ferrooxidans
G2Y130 − Botryotinia fuckeliana
A7E9M3 − Sclerotinia sclerotiorum
D5GMT8 − Tuber melanosporum
C0SJ54 − Paracoccidioides brasiliensis
C1GMY1 − Paracoccidioides brasiliensis
G1MDU2 − Ailuropoda melanoleuca
C6CD61 − Dickeya dadantii
G0N909 − Caenorhabditis brenneri
E3LTP8 − Caenorhabditis remanei
WBGene00031133
A8X8S5 − Caenorhabditis briggsae
O62415 − Caenorhabditis elegans
G0N907 − Caenorhabditis brenneri
D3BEN5 − Polysphondylium pallidum
F4PZT8 − Dictyostelium fasciculatum
F2U4U0 − Salpingoeca rosetta
A9VAN2 − Monosiga brevicollis
F2URK2 − Salpingoeca rosetta
0.92
0.59
0.91
0.96
0.86
0.96
0.5
0.74
0
0.87
0.74
0.87
0.92
1
1
0
0.92
0.59
0.98
0.56


Q16JP0 − Aedes aegypti
B0XK59 − Culex quinquefasciatus
G7YKP2 − Clonorchis sinensis
G7YIE6 − Clonorchis sinensis
H2KUU7 − Clonorchis sinensis
WBGene00031087
A8X8X1 − Caenorhabditis briggsae
Q17816 − Caenorhabditis elegans
Q65ZB0 − Caenorhabditis elegans
E3LTW1 − Caenorhabditis remanei
G0N943 − Caenorhabditis brenneri
B1KH86 − Shewanella woodyi
E6WED0 − Pantoea sp.
A8AIM5 − Citrobacter koseri
C5KT12 − Perkinsus marinus
C5KMD1 − Perkinsus marinus
C5LPC3 − Perkinsus marinus
C5KAJ7 − Perkinsus marinus
C5KXB2 − Perkinsus marinus
E4T0D6 − Paludibacter propionicigenes
F8GB38 − Francisella sp.
D8RYP3 − Selaginella moellendorffii
C5YXM4 − Sorghum bicolor
Q546P8 − Vitis vinifera
F6GZC4 − Vitis vinifera
B9SIC4 − Ricinus communis
0.78
1
0.96
1
1
0.7
0
0.23
0.92
1
0.58
0.77
1
0.99
0.3
1
0.99
0.85
0.96
0.36
0.68
0.49
0.57


H2USK0 − Takifugu rubripes
H2USJ9 − Takifugu rubripes
H3D1K5 − Tetraodon nigroviridis
G3PJI0 − Gasterosteus aculeatus
A2DZN8 − Trichomonas vaginalis
A2F0G8 − Trichomonas vaginalis
F0T848 − Methanobacterium sp.
Q468H4 − Methanosarcina barkeri
Q8PUE0 − Methanosarcina mazei
D5EAG5 − Methanohalophilus mahii
O29991 − Archaeoglobus fulgidus
Q69TH6 − Oryza sativa subsp. japonica
Q69TI0 − Oryza sativa subsp. japonica
I1Q0M7 − Oryza glaberrima
I1GZT2 − Brachypodium distachyon
Q8GYA3 − Arabidopsis thaliana
F0ZZ91 − Dictyostelium purpureum
D2VS66 − Naegleria gruberi
Q16PQ1 − Aedes aegypti
B2HWF3 − Acinetobacter baumannii
E8PG57 − Acinetobacter baumannii
F0QIM1 − Acinetobacter baumannii
D2Q717 − Bifidobacterium dentium
C0ZQA3 − Rhodococcus erythropolis
F0Y8D0 − Aureococcus anophagefferens
E3QHQ0 − Colletotrichum graminicola
I1RIR7 − Gibberella zeae
F9WX73 − Mycosphaerella graminicola
E3RFY4 − Pyrenophora teres f. teres
E5A093 − Leptosphaeria maculans
H2WJE0 − Caenorhabditis japonica
E3LUM4 − Caenorhabditis remanei
Q16214 − Caenorhabditis elegans
WBGene00030867
A8X9J2 − Caenorhabditis briggsae
G0MXP7 − Caenorhabditis brenneri
0.95
0.83
0.078
0.89
0.97
0.88
0
0.55
0.78
0.54
0.21
0.88
0.61
0.77
0.88
0.99
0.99
0.92
0.48
0.44


Q9LXB8 − Arabidopsis thaliana
D7M248 − Arabidopsis lyrata subsp. lyrata
H2NYV0 − Pongo abelii
Q0U4I6 − Phaeosphaeria nodorum
Q0UTZ6 − Phaeosphaeria nodorum
F4NVU0 − Batrachochytrium dendrobatidis
Q8ZYB9 − Pyrobaculum aerophilum
A8PWD9 − Brugia malayi
B6IHJ3 − Caenorhabditis briggsae
E9PBY2 − Homo sapiens
D8UER7 − Volvox carteri
D8UBN2 − Volvox carteri
C5DP28 − Zygosaccharomyces rouxii
B8C7M9 − Thalassiosira pseudonana
F6UPK8 − Xenopus tropicalis
E1RQT9 − Xylella fastidiosa
C0NBD5 − Ajellomyces capsulatus
B3M4N1 − Drosophila ananassae
E3NF77 − Caenorhabditis remanei
A8Y4K4 − Caenorhabditis briggsae
G3H658 − Cricetulus griseus
Q4DBT3 − Trypanosoma cruzi
WBGene00030861
G4Z367 − Phytophthora sojae
A7NLB9 − Roseiflexus castenholzii
B9LHJ9 − Chloroflexus aurantiacus
A9WCT7 − Chloroflexus aurantiacus
B8GAA9 − Chloroflexus aggregans
F0JBB6 − Neospora caninum
A8WPJ1 − Caenorhabditis briggsae
G4ZWI1 − Phytophthora sojae
D8UHU1 − Volvox carteri
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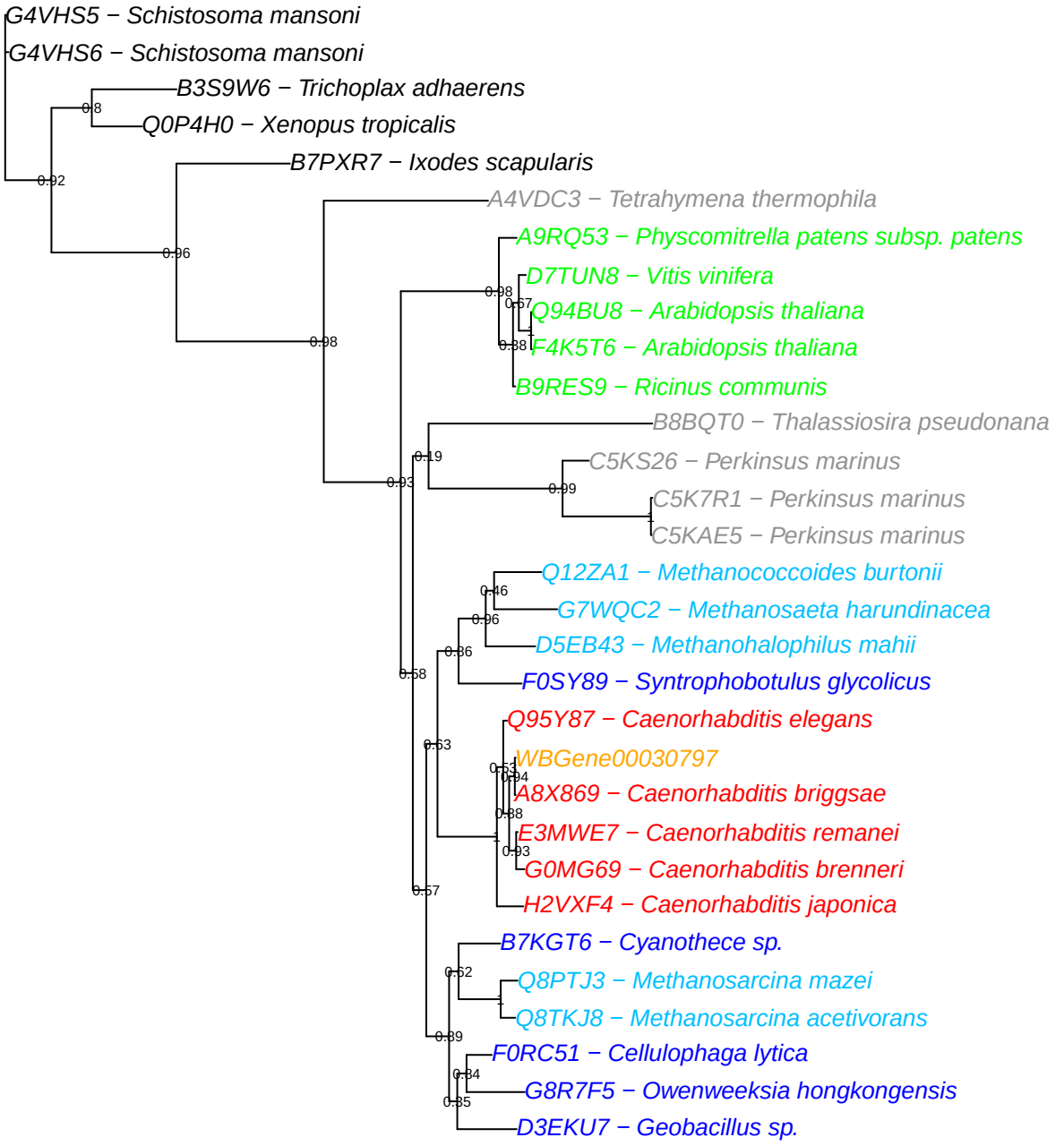
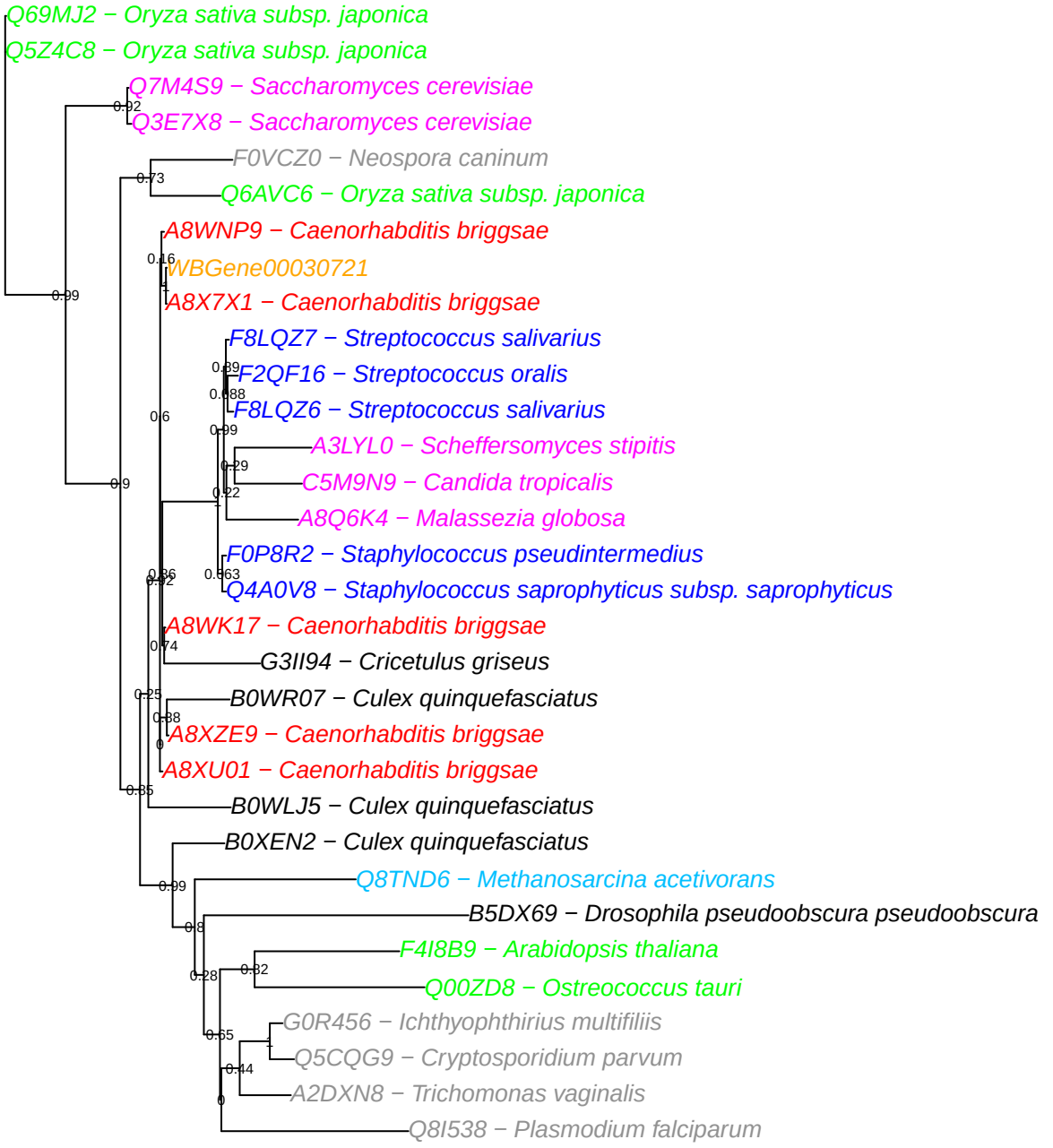
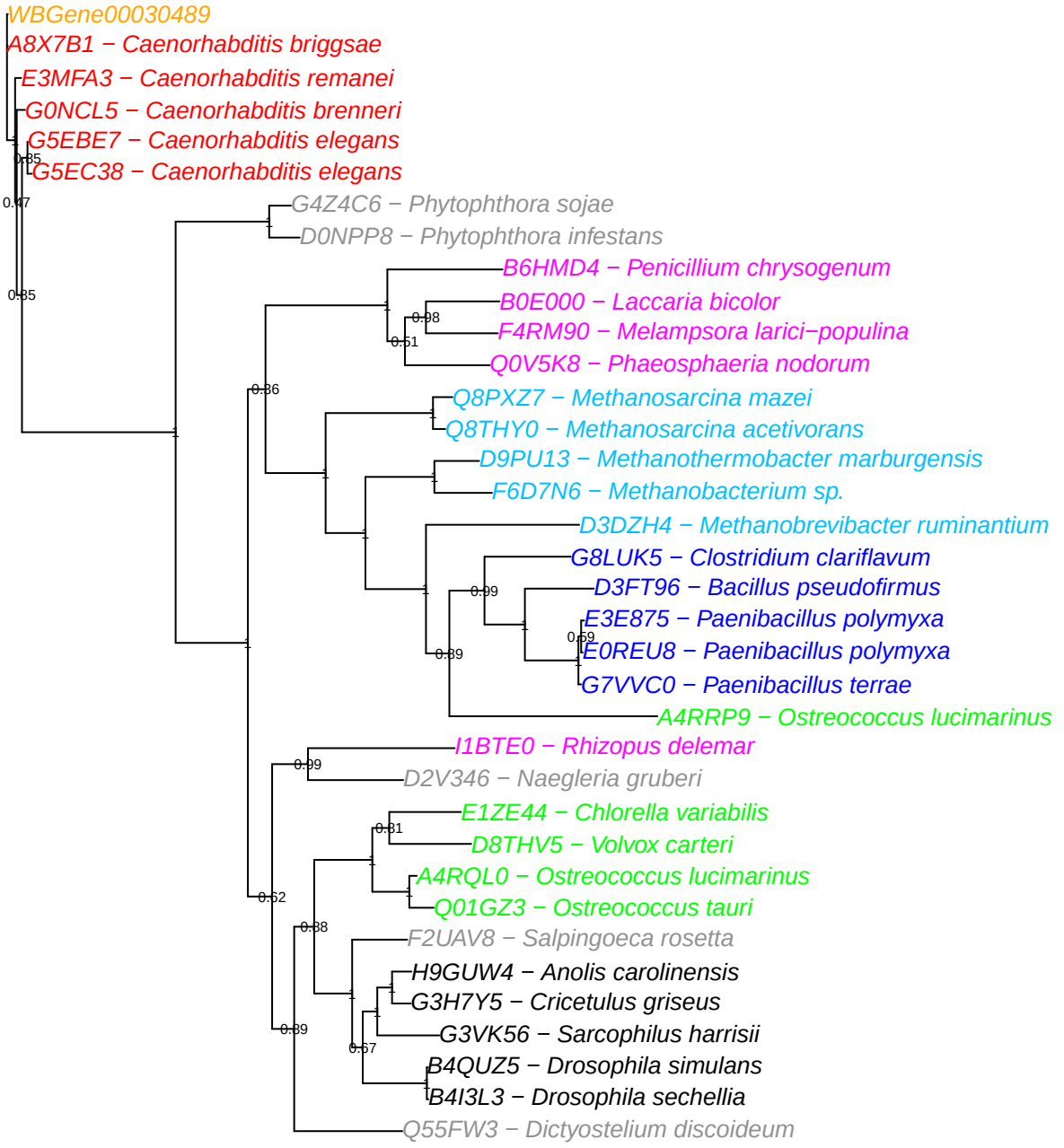
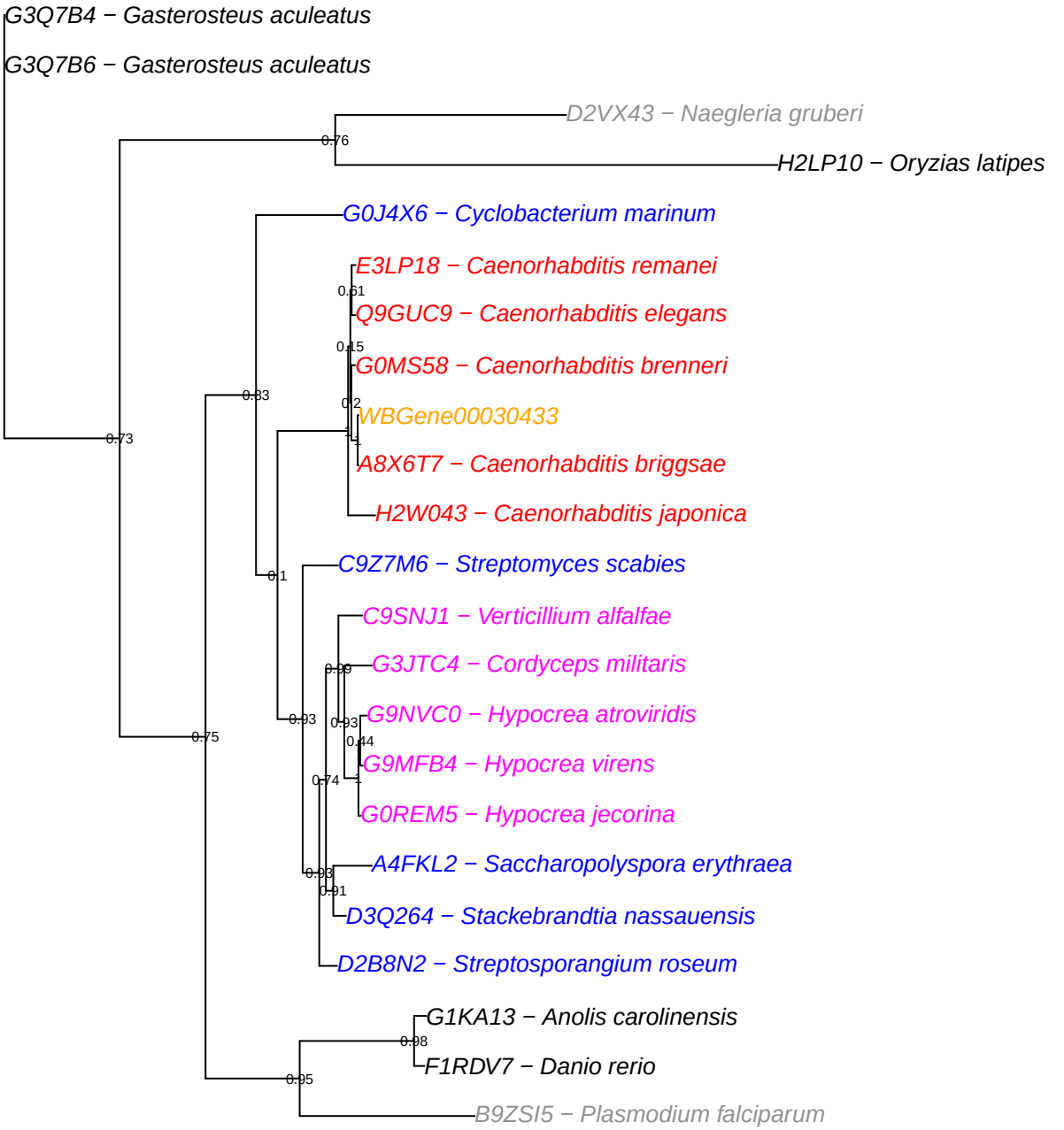
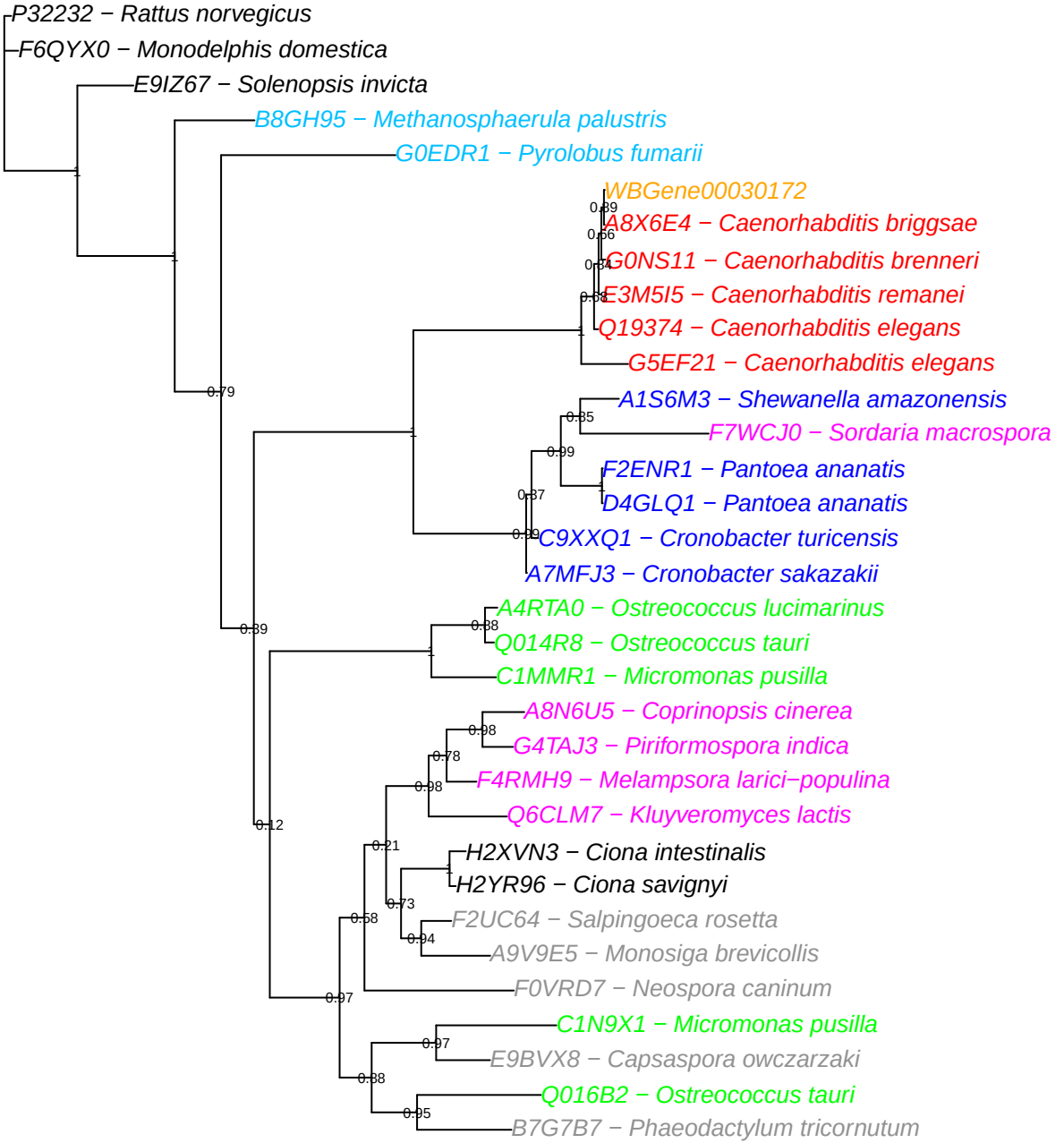
0.74
0.55
0.98
0.97
0.25
0.46
0.92
0.99
0.96
0.76
0.926

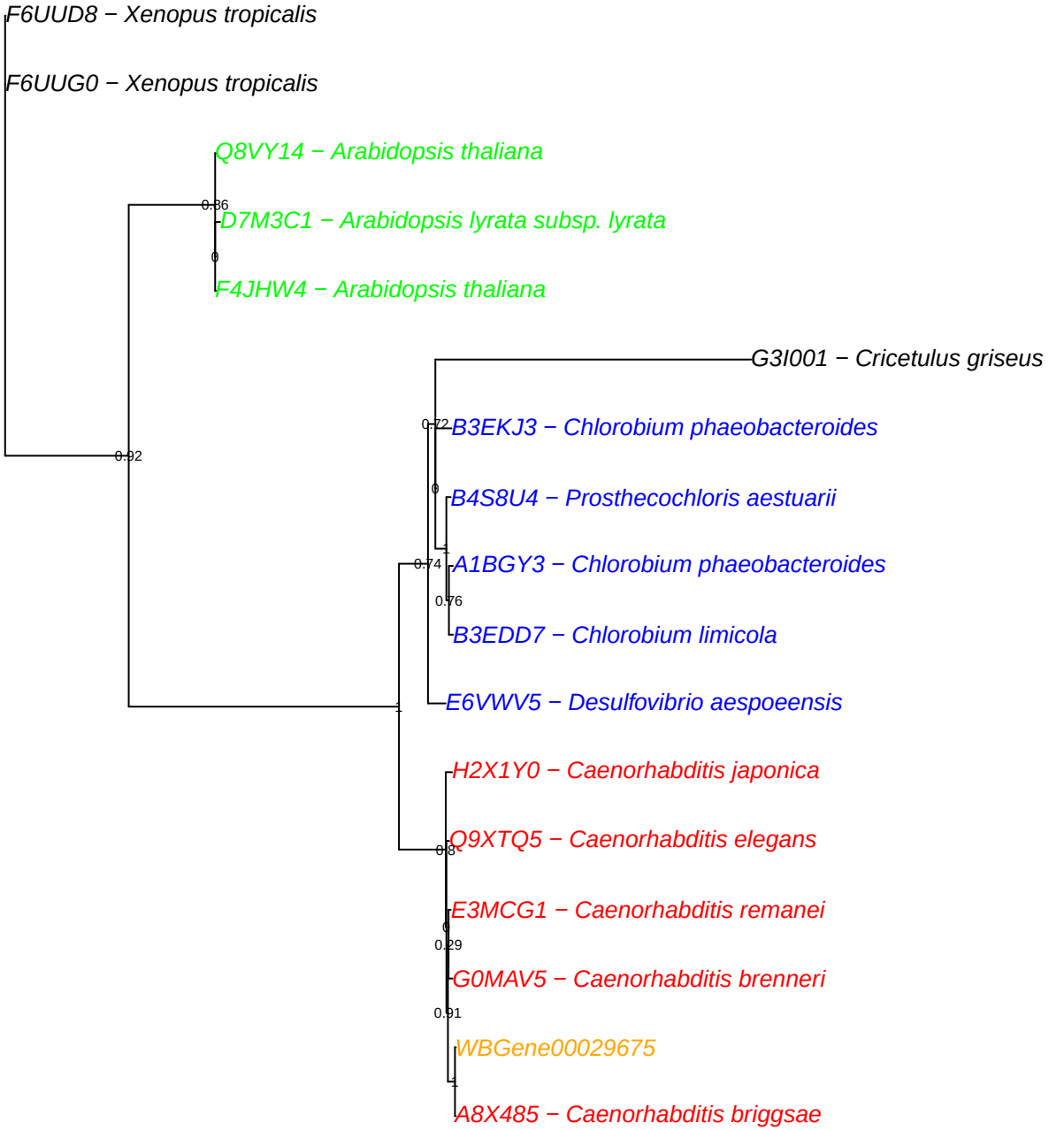

G4VHS5 − Schistosoma mansoni
G4VHS6 − Schistosoma mansoni
B3S9W6 − Trichoplax adhaerens
0.8
Q0P4H0 − Xenopus tropicalis
B7PXR7 − Ixodes scapularis
0.92
A4VDC3 − Tetrahymena thermophila
A9RQ53 − Physcomitrella patens subsp. patens
0.96
D7TUN8 − Vitis vinifera
0.98
0.67
Q94BU8 − Arabidopsis thaliana
0.98
F4K5T6 − Arabidopsis thaliana
B9RES9 − Ricinus communis
B8BQT0 − Thalassiosira pseudonana
0.19
C5KS26 − Perkinsus marinus
0.93
0.99
C5K7R1 − Perkinsus marinus
C5KAE5 − Perkinsus marinus
Q12ZA1 − Methanococcoides burtonii
0.46
G7WQC2 − Methanosaeta harundinacea
0.96
D5EB43 − Methanohalophilus mahii
0.86
0.58
F0SY89 − Syntrophobotulus glycolicus
Q95Y87 − Caenorhabditis elegans
0.63
WBGene00030797
0.53
0.94
A8X869 − Caenorhabditis briggsae
0.88
E3MWE7 − Caenorhabditis remanei
0.93
G0MG69 − Caenorhabditis brenneri
0.57
H2VXF4 − Caenorhabditis japonica
B7KGT6 − Cyanothece sp.
0.52
Q8PTJ3 − Methanosarcina mazei
Q8TKJ8 − Methanosarcina acetivorans
0.89
F0RC51 − Cellulophaga lytica
0.84
G8R7F5 − Owenweeksia hongkongensis
0.85
D3EKU7 − Geobacillus sp.

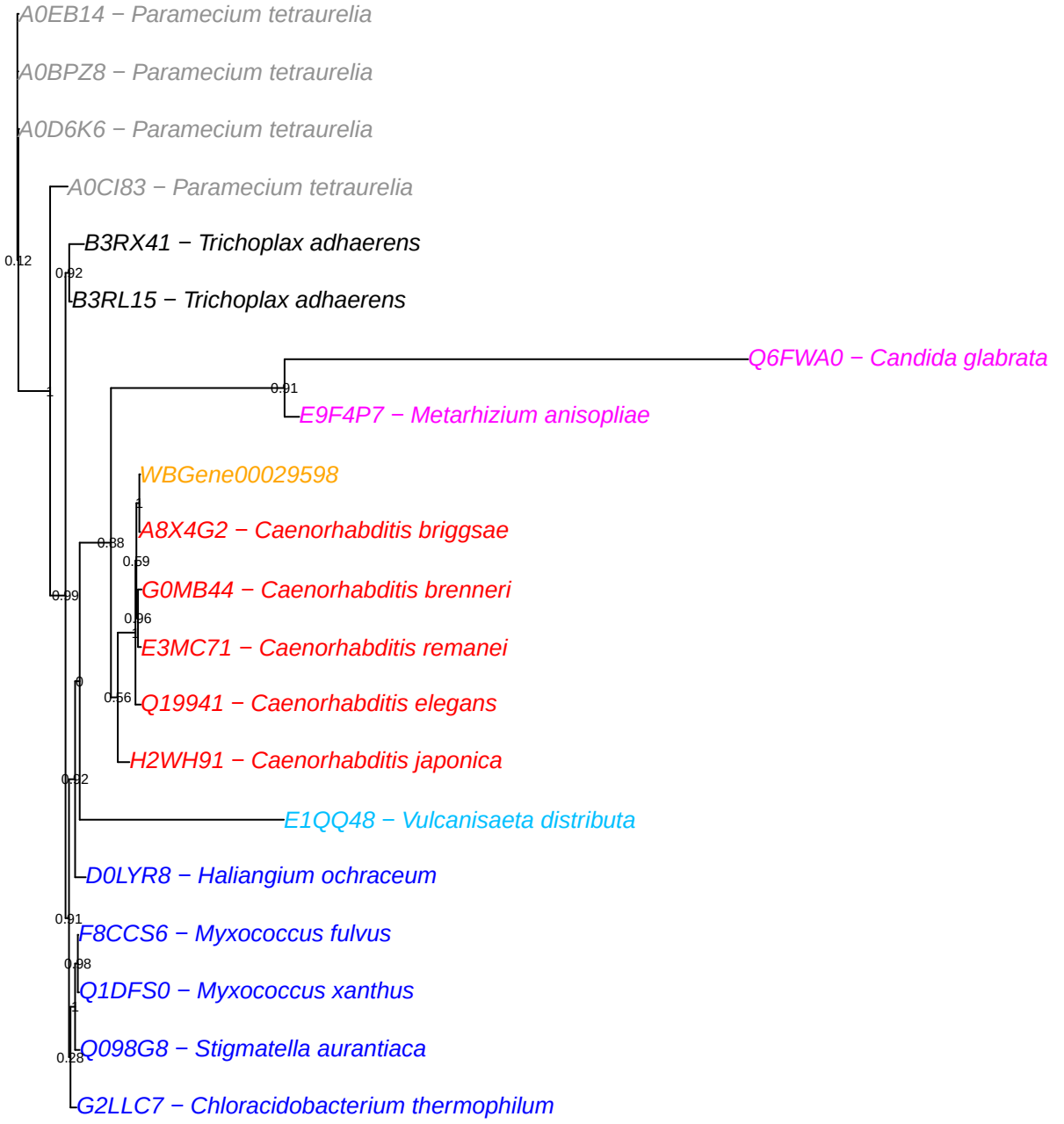

Q69MJ2 − Oryza sativa subsp. japonica
Q5Z4C8 − Oryza sativa subsp. japonica
Q7M4S9 − Saccharomyces cerevisiae
Q3E7X8 − Saccharomyces cerevisiae
F0VCZ0 − Neospora caninum
Q6AVC6 − Oryza sativa subsp. japonica
A8WNP9 − Caenorhabditis briggsae
WBGene00030721
A8X7X1 − Caenorhabditis briggsae
F8LQZ7 − Streptococcus salivarius
F2QF16 − Streptococcus oralis
F8LQZ6 − Streptococcus salivarius
A3LYL0 − Scheffersomyces stipitis
C5M9N9 − Candida tropicalis
A8Q6K4 − Malassezia globosa
F0P8R2 − Staphylococcus pseudintermedius
Q4A0V8 − Staphylococcus saprophyticus subsp. saprophyticus
A8WK17 − Caenorhabditis briggsae
G3II94 − Cricetulus griseus
B0WR07 − Culex quinquefasciatus
A8XZE9 − Caenorhabditis briggsae
A8XU01 − Caenorhabditis briggsae
B0WLJ5 − Culex quinquefasciatus
B0XEN2 − Culex quinquefasciatus
Q8TND6 − Methanosarcina acetivorans
B5DX69 − Drosophila pseudoobscura pseudoobscura
F4I8B9 − Arabidopsis thaliana
Q00ZD8 − Ostreococcus tauri
G0R456 − Ichthyophthirius multifiliis
Q5CQG9 − Cryptosporidium parvum
A2DXN8 − Trichomonas vaginalis
Q8I538 − Plasmodium falciparum
0.92
0.73
0.16
0.99
0.89
0.888
0.6
0.99
0.29
0.9
0.22
0.86
0.663
0.74
0.25
0.88
0
0.85
0.99
0.8
0.28
0.32
0.65
0.44
0

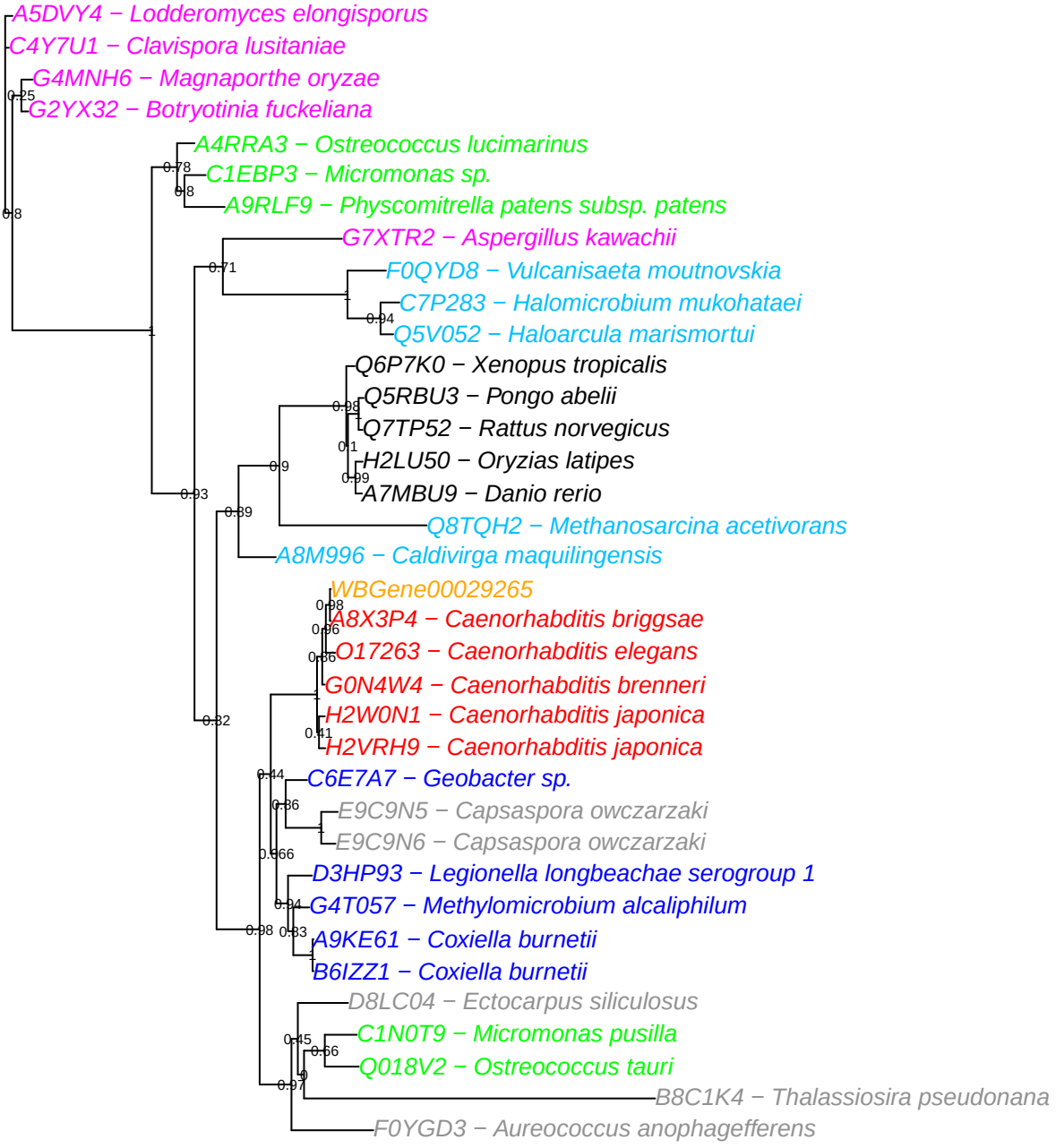

WBGene00030489
A8X7B1 − Caenorhabditis briggsae
E3MFA3 − Caenorhabditis remanei
G0NCL5 − Caenorhabditis brenneri
G5EBE7 − Caenorhabditis elegans
G5EC38 − Caenorhabditis elegans
G4Z4C6 − Phytophthora sojae
D0NPP8 − Phytophthora infestans
B6HMD4 − Penicillium chrysogenum
B0E000 − Laccaria bicolor
F4RM90 − Melampsora larici−populina
Q0V5K8 − Phaeosphaeria nodorum
Q8PXZ7 − Methanosarcina mazei
Q8THY0 − Methanosarcina acetivorans
D9PU13 − Methanothermobacter marburgensis
F6D7N6 − Methanobacterium sp.
D3DZH4 − Methanobrevibacter ruminantium
G8LUK5 − Clostridium clariflavum
D3FT96 − Bacillus pseudofirmus
E3E875 − Paenibacillus polymyxa
E0REU8 − Paenibacillus polymyxa
G7VVC0 − Paenibacillus terrae
A4RRP9 − Ostreococcus lucimarinus
I1BTE0 − Rhizopus delemar
D2V346 − Naegleria gruberi
E1ZE44 − Chlorella variabilis
D8THV5 − Volvox carteri
A4RQL0 − Ostreococcus lucimarinus
Q01GZ3 − Ostreococcus tauri
F2UAV8 − Salpingoeca rosetta
H9GUW4 − Anolis carolinensis
G3H7Y5 − Cricetulus griseus
G3VK56 − Sarcophilus harrisii
B4QUZ5 − Drosophila simulans
B4I3L3 − Drosophila sechellia
Q55FW3 − Dictyostelium discoideum
0.85
0.47
0.85
0.98
0.51
0.86
0.99
0.59
0.89
0.99
0.81
0.52
0.88
0.89
0.67

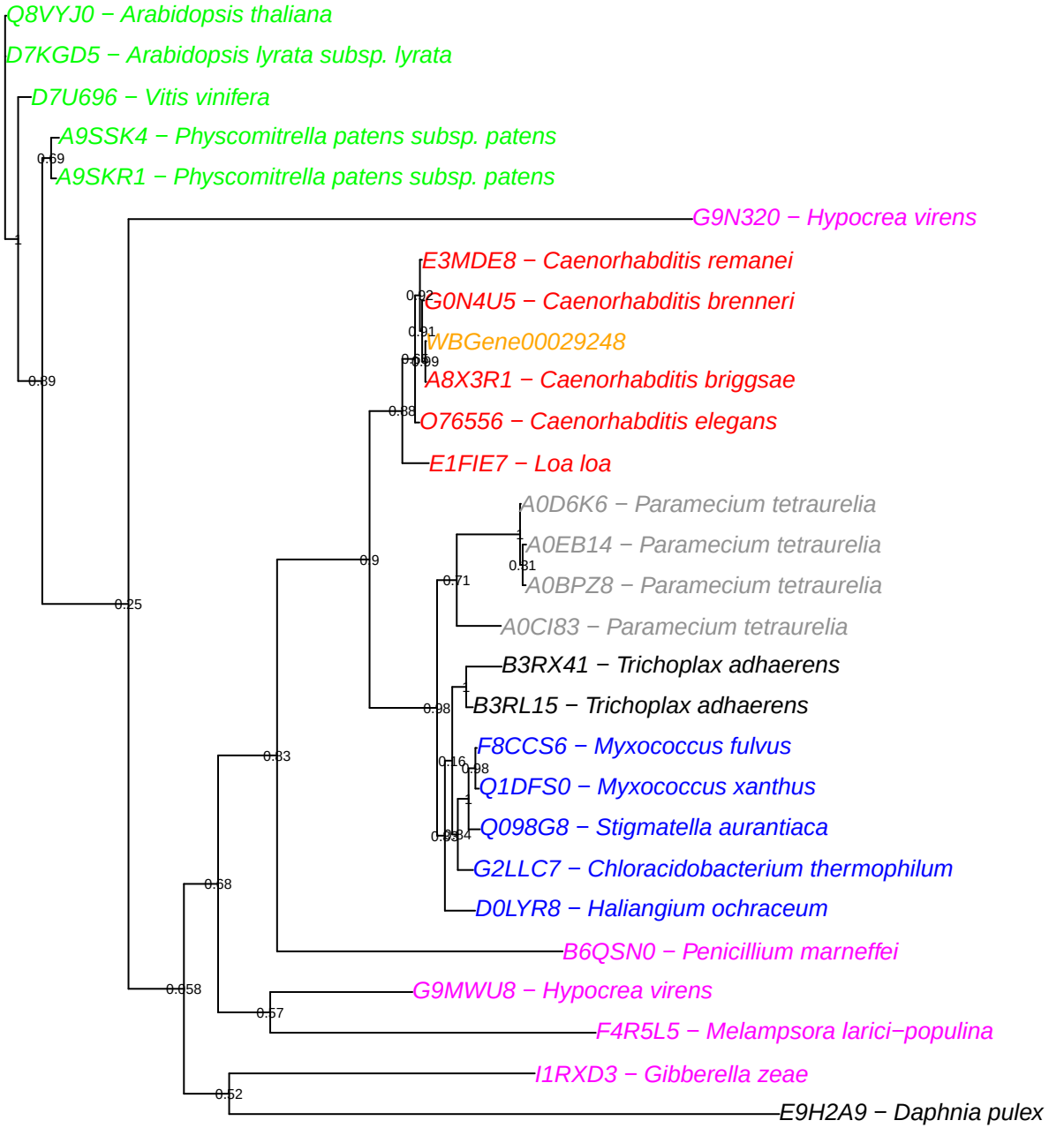

G3Q7B4 − Gasterosteus aculeatus
G3Q7B6 − Gasterosteus aculeatus
D2VX43 − Naegleria gruberi
0.76
H2LP10 − Oryzias latipes
G0J4X6 − Cyclobacterium marinum
E3LP18 − Caenorhabditis remanei
0.61
Q9GUC9 − Caenorhabditis elegans
0.15
G0MS58 − Caenorhabditis brenneri
0.83
0.2
WBGene00030433
0.73
1
A8X6T7 − Caenorhabditis briggsae
H2W043 − Caenorhabditis japonica
C9Z7M6 − Streptomyces scabies
0.1
C9SNJ1 − Verticillium alfalfae
G3JTC4 − Cordyceps militaris
0.99
G9NVC0 − Hypocrea atroviridis
0.93
0.93
0.44
G9MFB4 − Hypocrea virens
0.75
0.74
1
G0REM5 − Hypocrea jecorina
A4FKL2 − Saccharopolyspora erythraea
0.98
0.91
D3Q264 − Stackebrandtia nassauensis
D2B8N2 − Streptosporangium roseum
G1KA13 − Anolis carolinensis
0.98
F1RDV7 − Danio rerio
0.95
B9ZSI5 − Plasmodium falciparum

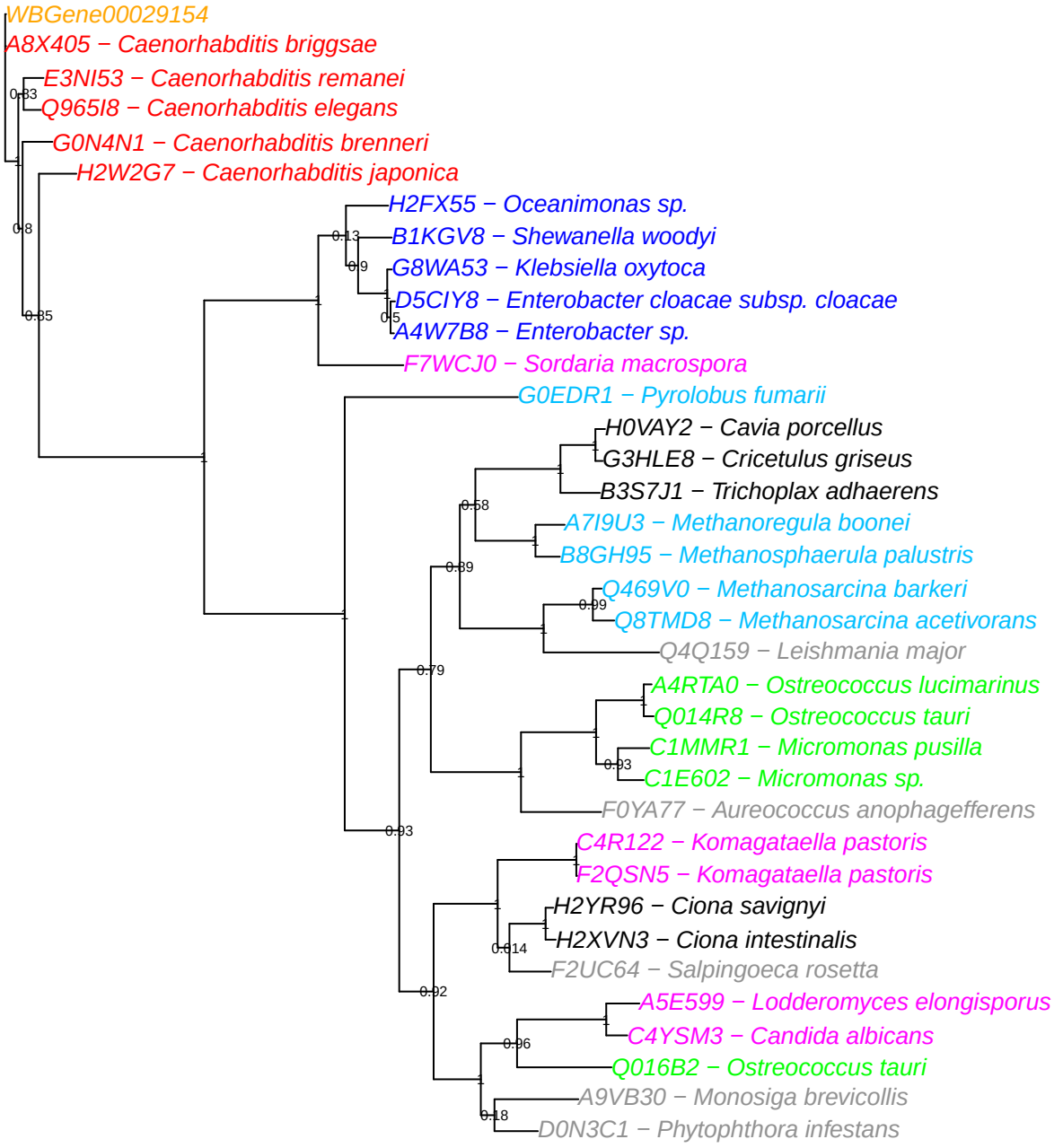

P32232 − Rattus norvegicus
F6QYX0 − Monodelphis domestica
E9IZ67 − Solenopsis invicta
B8GH95 − Methanosphaerula palustris
G0EDR1 − Pyrolobus fumarii
WBGene00030172
A8X6E4 − Caenorhabditis briggsae
G0NS11 − Caenorhabditis brenneri
E3M5I5 − Caenorhabditis remanei
Q19374 − Caenorhabditis elegans
G5EF21 − Caenorhabditis elegans
A1S6M3 − Shewanella amazonensis
F7WCJ0 − Sordaria macrospora
F2ENR1 − Pantoea ananatis
D4GLQ1 − Pantoea ananatis
C9XXQ1 − Cronobacter turicensis
A7MFJ3 − Cronobacter sakazakii
A4RTA0 − Ostreococcus lucimarinus
Q014R8 − Ostreococcus tauri
C1MMR1 − Micromonas pusilla
A8N6U5 − Coprinopsis cinerea
G4TAJ3 − Piriformospora indica
F4RMH9 − Melampsora larici−populina
Q6CLM7 − Kluyveromyces lactis
H2XVN3 − Ciona intestinalis
H2YR96 − Ciona savignyi
F2UC64 − Salpingoeca rosetta
A9V9E5 − Monosiga brevicollis
F0VRD7 − Neospora caninum
C1N9X1 − Micromonas pusilla
E9BVX8 − Capsaspora owczarzaki
Q016B2 − Ostreococcus tauri
B7G7B7 − Phaeodactylum tricornutum

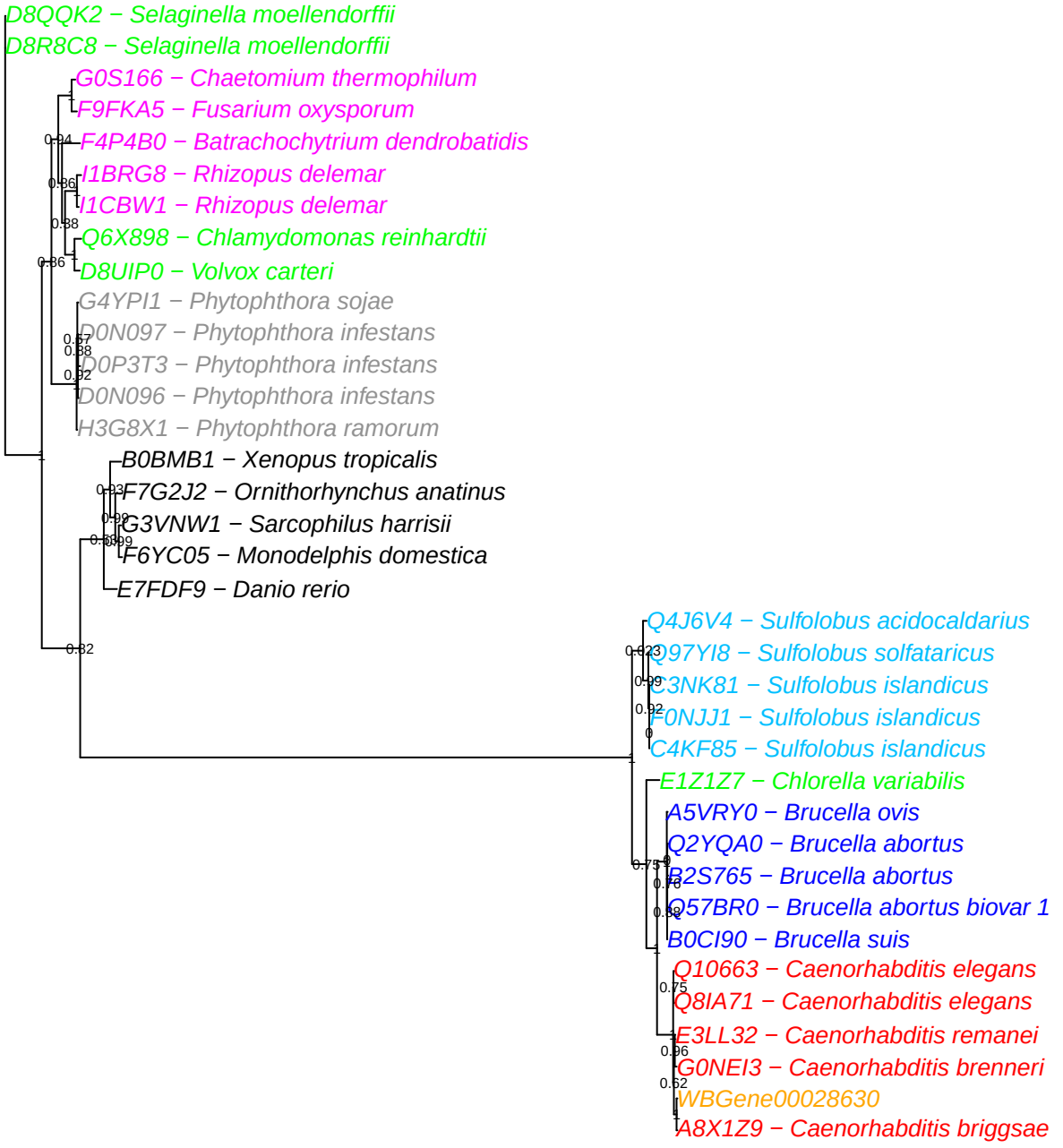

F6UUD8 − Xenopus tropicalis
F6UUG0 − Xenopus tropicalis
Q8VY14 − Arabidopsis thaliana
0.86
D7M3C1 − Arabidopsis lyrata subsp. lyrata
0
F4JHW4 − Arabidopsis thaliana
G3I001 − Cricetulus griseus
0.72
B3EKJ3 − Chlorobium phaeobacteroides
0.92
0
B4S8U4 − Prosthecochloris aestuarii
0.74
A1BGY3 − Chlorobium phaeobacteroides
0.76
B3EDD7 − Chlorobium limicola
E6VWV5 − Desulfovibrio aespoeensis
H2X1Y0 − Caenorhabditis japonica
Q9XTQ5 − Caenorhabditis elegans
0.8
E3MCG1 − Caenorhabditis remanei
0
0.29
G0MAV5 − Caenorhabditis brenneri
0.91
WBGene00029675
A8X485 − Caenorhabditis briggsae

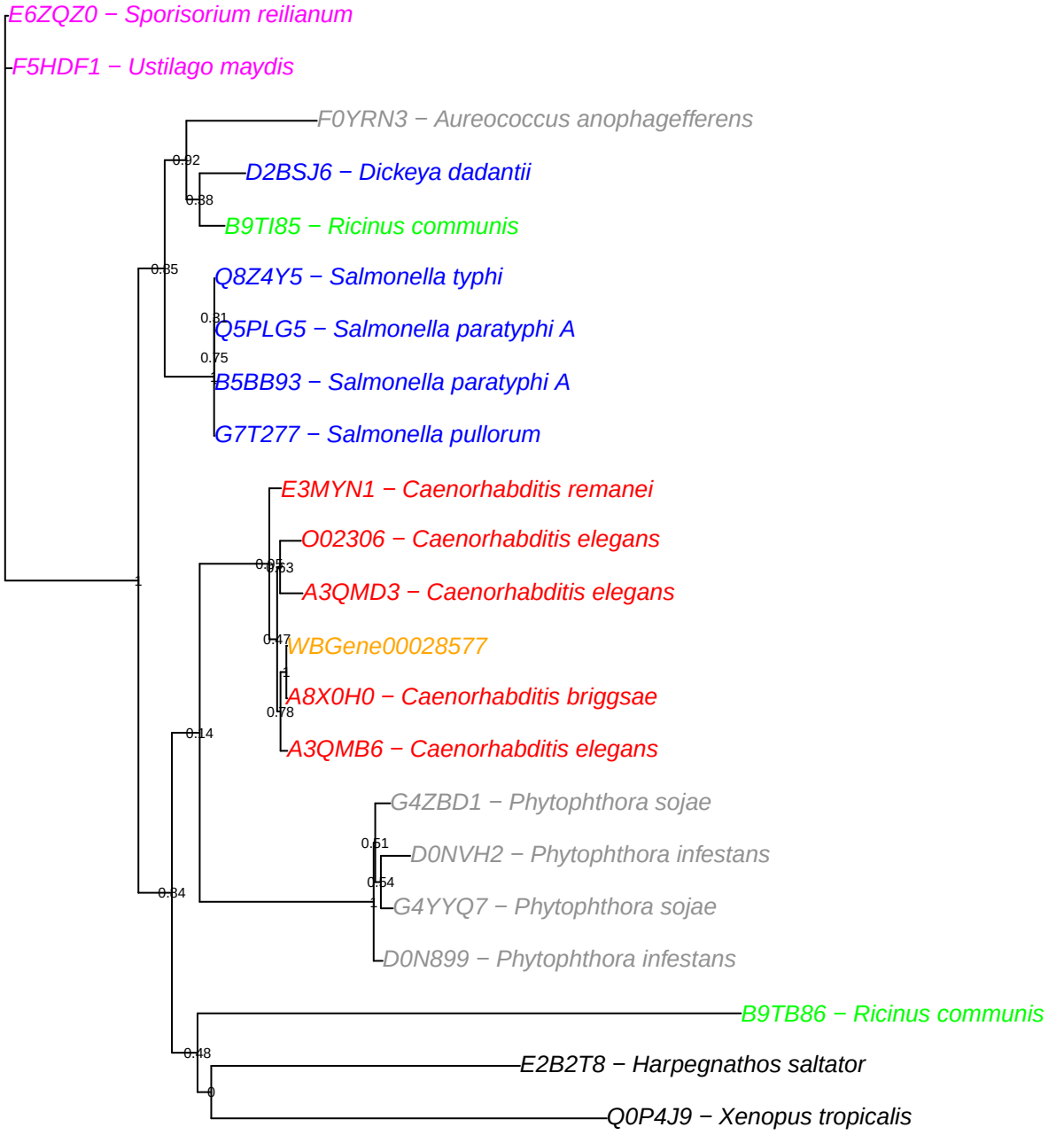

A0EB14 − Paramecium tetraurelia
A0BPZ8 − Paramecium tetraurelia
A0D6K6 − Paramecium tetraurelia
A0CI83 − Paramecium tetraurelia
B3RX41 − Trichoplax adhaerens
B3RL15 − Trichoplax adhaerens
Q6FWA0 − Candida glabrata
E9F4P7 − Metarhizium anisopliae
WBGene00029598
A8X4G2 − Caenorhabditis briggsae
G0MB44 − Caenorhabditis brenneri
E3MC71 − Caenorhabditis remanei
Q19941 − Caenorhabditis elegans
H2WH91 − Caenorhabditis japonica
E1QQ48 − Vulcanisaeta distributa
D0LYR8 − Haliangium ochraceum
F8CCS6 − Myxococcus fulvus
Q1DFS0 − Myxococcus xanthus
Q098G8 − Stigmatella aurantiaca
G2LLC7 − Chloracidobacterium thermophilum
0.12
0.92
0.91
0.88
0.59
0.99
0.96
0.56
0.92
0.91
0.98
0.98

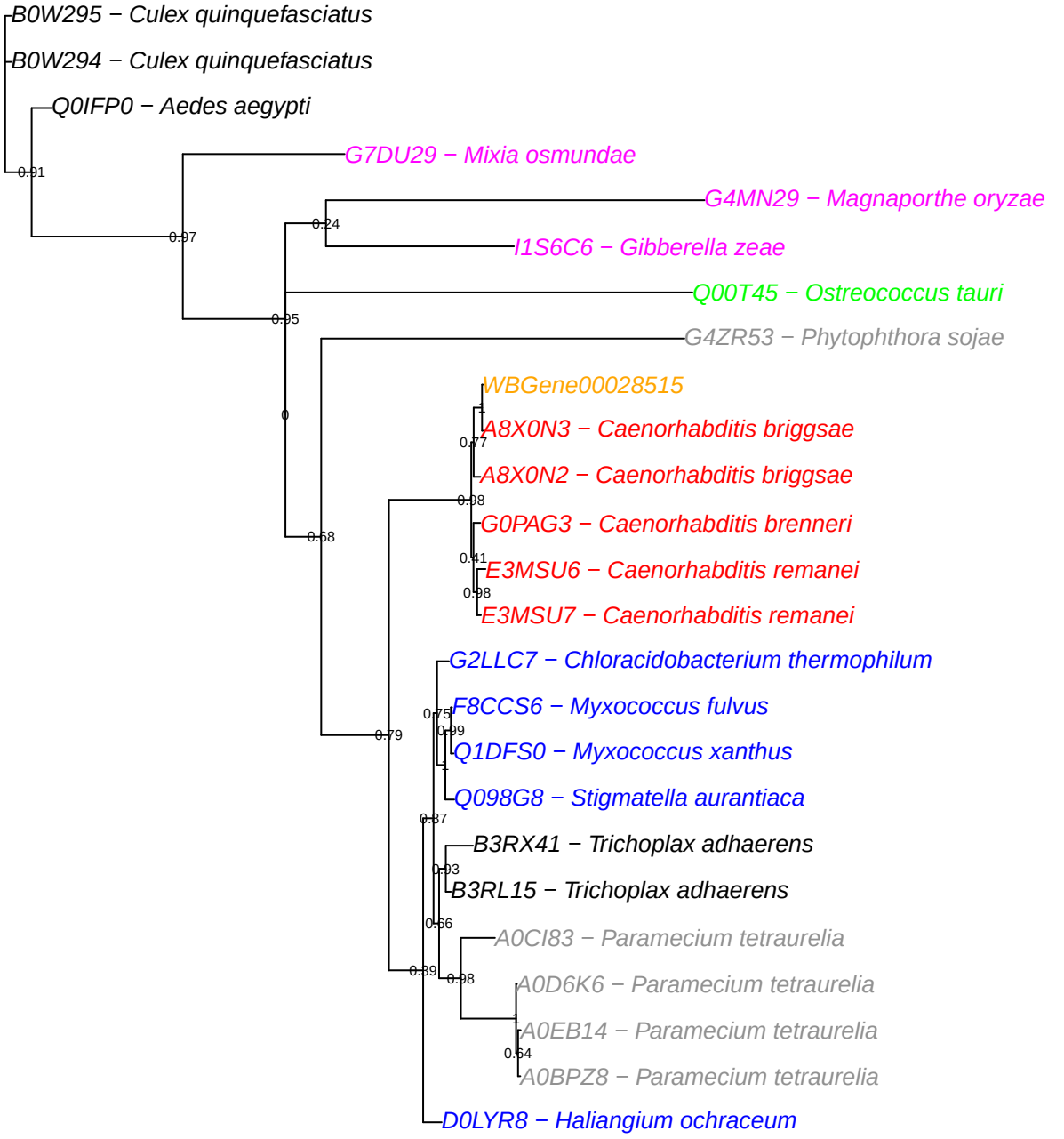

A5DVY4 − Lodderomyces elongisporus
C4Y7U1 − Clavispora lusitaniae
G4MNH6 − Magnaporthe oryzae
G2YX32 − Botryotinia fuckeliana
A4RRA3 − Ostreococcus lucimarinus
C1EBP3 − Micromonas sp.
A9RLF9 − Physcomitrella patens subsp. patens
G7XTR2 − Aspergillus kawachii
F0QYD8 − Vulcanisaeta moutnovskia
C7P283 − Halomicrobium mukohataei
Q5V052 − Haloarcula marismortui
Q6P7K0 − Xenopus tropicalis
Q5RBU3 − Pongo abelii
Q7TP52 − Rattus norvegicus
H2LU50 − Oryzias latipes
A7MBU9 − Danio rerio
Q8TQH2 − Methanosarcina acetivorans
A8M996 − Caldivirga maquilingensis
WBGene00029265
A8X3P4 − Caenorhabditis briggsae
O17263 − Caenorhabditis elegans
G0N4W4 − Caenorhabditis brenneri
H2W0N1 − Caenorhabditis japonica
H2VRH9 − Caenorhabditis japonica
C6E7A7 − Geobacter sp.
E9C9N5 − Capsaspora owczarzaki
E9C9N6 − Capsaspora owczarzaki
D3HP93 − Legionella longbeachae serogroup 1
G4T057 − Methylomicrobium alcaliphilum
A9KE61 − Coxiella burnetii
B6IZZ1 − Coxiella burnetii
D8LC04 − Ectocarpus siliculosus
C1N0T9 − Micromonas pusilla
Q018V2 − Ostreococcus tauri
B8C1K4 − Thalassiosira pseudonana
F0YGD3 − Aureococcus anophagefferens

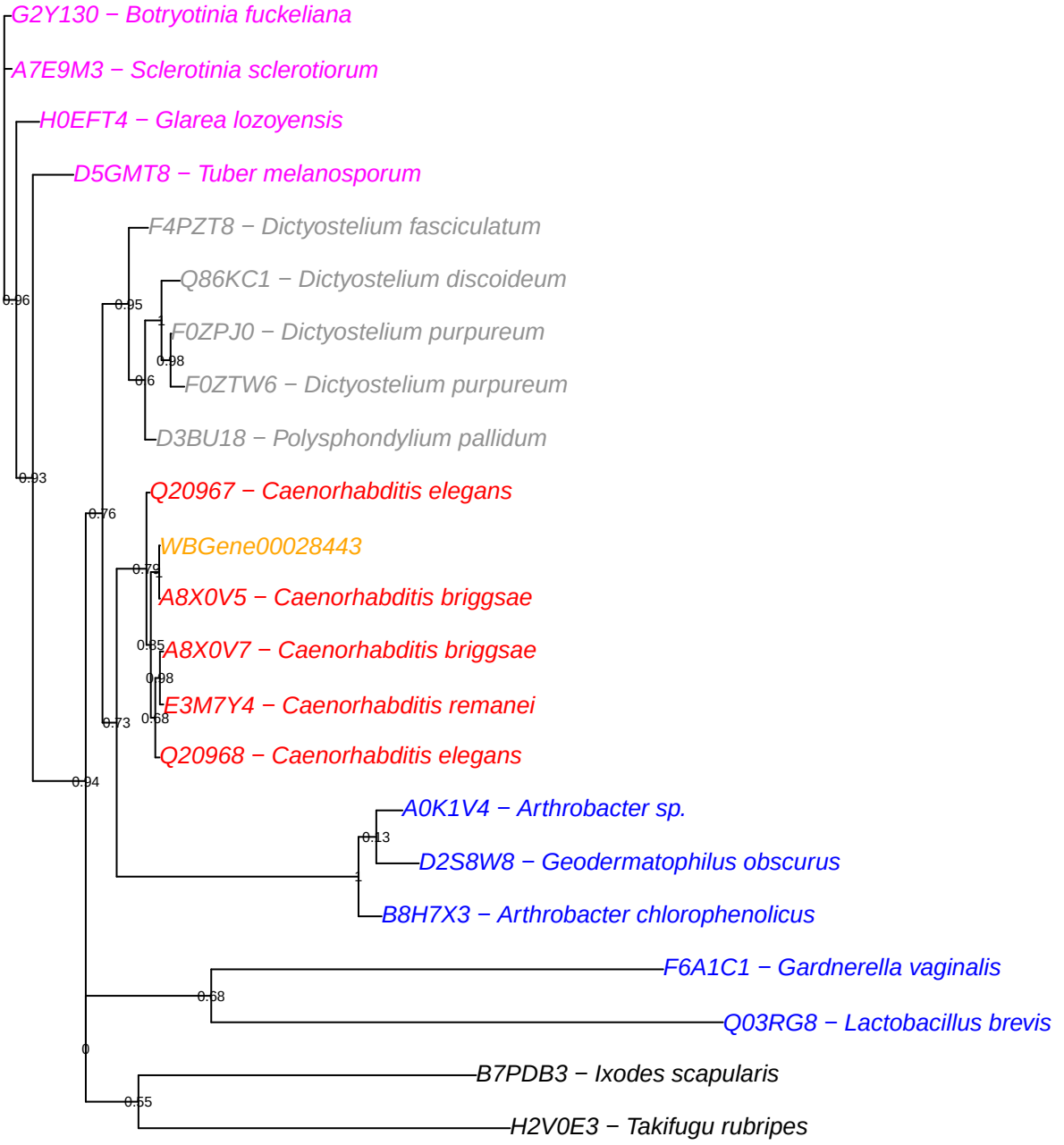

Q8VYJ0 − Arabidopsis thaliana
D7KGD5 − Arabidopsis lyrata subsp. lyrata
D7U696 − Vitis vinifera
A9SSK4 − Physcomitrella patens subsp. patens
A9SKR1 − Physcomitrella patens subsp. patens
G9N320 − Hypocrea virens
E3MDE8 − Caenorhabditis remanei
G0N4U5 − Caenorhabditis brenneri
WBGene00029248
A8X3R1 − Caenorhabditis briggsae
O76556 − Caenorhabditis elegans
E1FIE7 − Loa loa
A0D6K6 − Paramecium tetraurelia
A0EB14 − Paramecium tetraurelia
A0BPZ8 − Paramecium tetraurelia
A0CI83 − Paramecium tetraurelia
B3RX41 − Trichoplax adhaerens
B3RL15 − Trichoplax adhaerens
F8CCS6 − Myxococcus fulvus
Q1DFS0 − Myxococcus xanthus
Q098G8 − Stigmatella aurantiaca
G2LLC7 − Chloracidobacterium thermophilum
D0LYR8 − Haliangium ochraceum
B6QSN0 − Penicillium marneffei
G9MWU8 − Hypocrea virens
F4R5L5 − Melampsora larici−populina
I1RXD3 − Gibberella zeae
E9H2A9 − Daphnia pulex
0.69
1
0.89
0.92
0.91
0.99
0.99
0.88
1
0.91
0.9
0.71
0.25
1
1
0.98
0.83
0.16
0.98
1
0.93
0.84
0.58
0.658
0.57
0.52

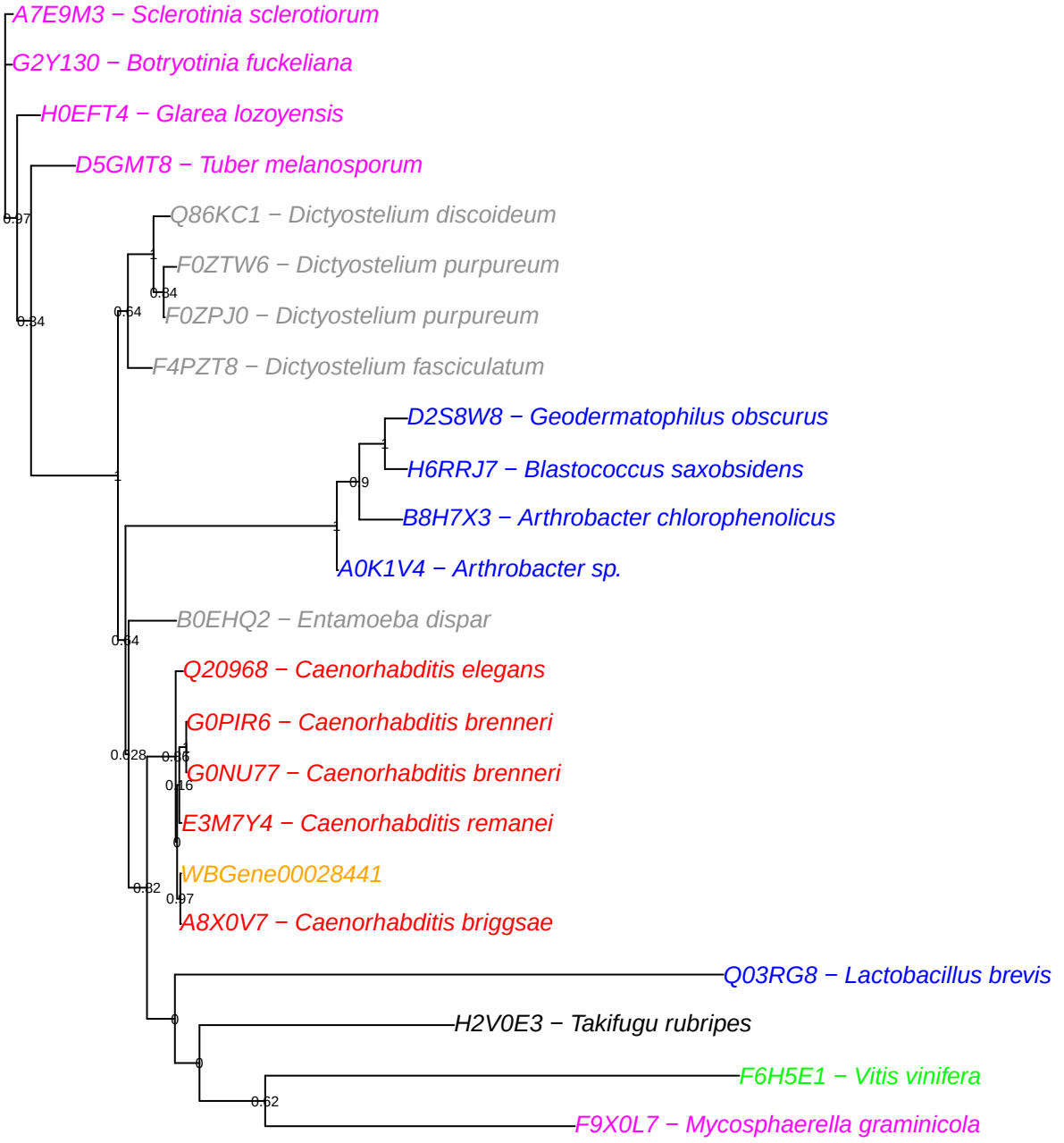

WBGene00029154
A8X405 − Caenorhabditis briggsae
E3NI53 − Caenorhabditis remanei
Q965I8 − Caenorhabditis elegans
G0N4N1 − Caenorhabditis brenneri
H2W2G7 − Caenorhabditis japonica
H2FX55 − Oceanimonas sp.
B1KGV8 − Shewanella woodyi
G8WA53 − Klebsiella oxytoca
D5CIY8 − Enterobacter cloacae subsp. cloacae
A4W7B8 − Enterobacter sp.
F7WCJ0 − Sordaria macrospora
G0EDR1 − Pyrolobus fumarii
H0VAY2 − Cavia porcellus
G3HLE8 − Cricetulus griseus
B3S7J1 − Trichoplax adhaerens
A7I9U3 − Methanoregula boonei
B8GH95 − Methanosphaerula palustris
Q469V0 − Methanosarcina barkeri
Q8TMD8 − Methanosarcina acetivorans
Q4Q159 − Leishmania major
A4RTA0 − Ostreococcus lucimarinus
Q014R8 − Ostreococcus tauri
C1MMR1 − Micromonas pusilla
C1E602 − Micromonas sp.
F0YA77 − Aureococcus anophagefferens
C4R122 − Komagataella pastoris
F2QSN5 − Komagataella pastoris
H2YR96 − Ciona savignyi
H2XVN3 − Ciona intestinalis
F2UC64 − Salpingoeca rosetta
A5E599 − Lodderomyces elongisporus
C4YSM3 − Candida albicans
Q016B2 − Ostreococcus tauri
A9VB30 − Monosiga brevicollis
D0N3C1 − Phytophthora infestans
0.83
0.8
0.85
0.13
0.9
0.5
0.58
0.89
0.99
0.79
0.93
0.93
0.014
0.92
0.96
0.18

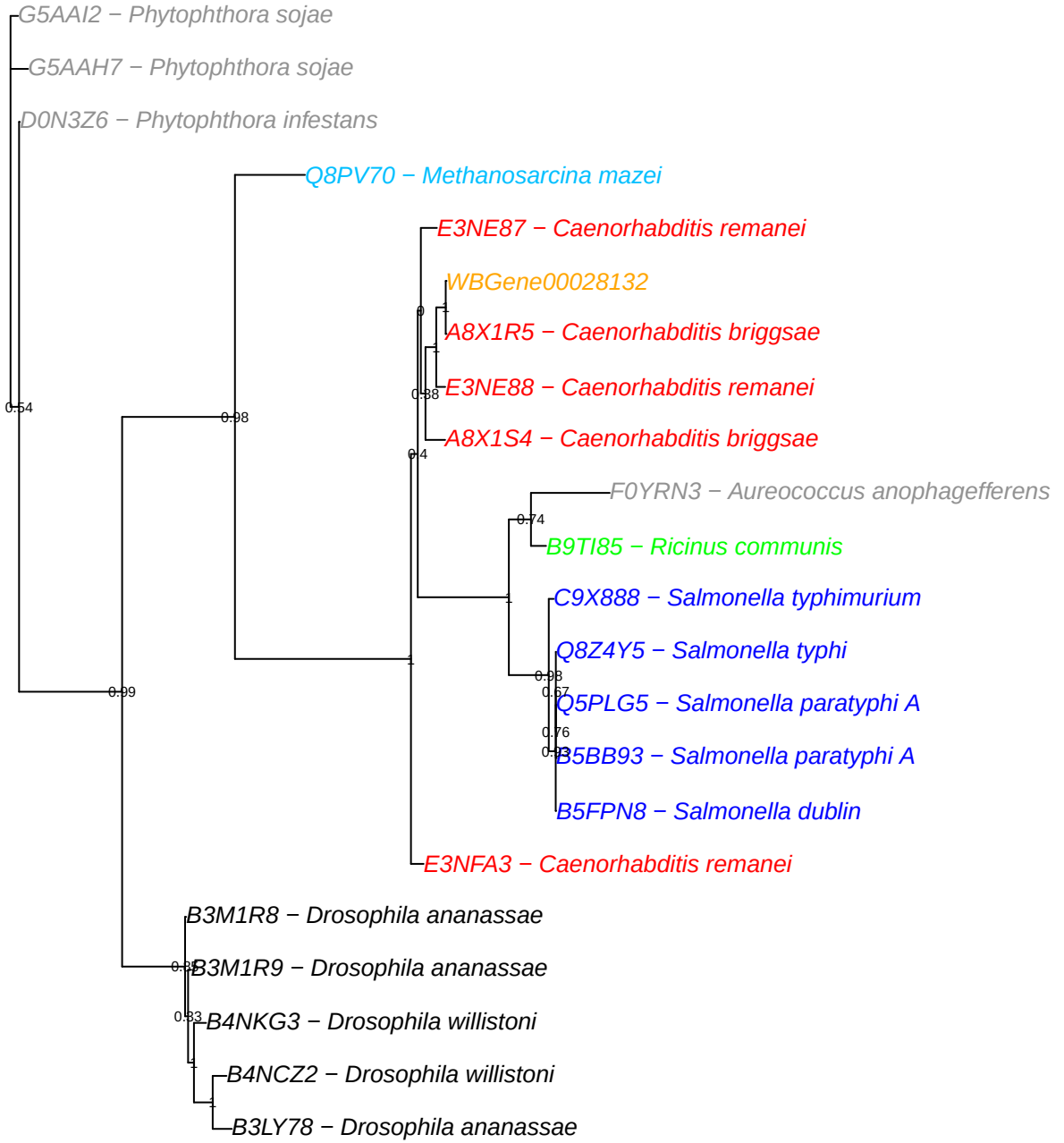

D8QQK2 − Selaginella moellendorffii
D8R8C8 − Selaginella moellendorffii
G0S166 − Chaetomium thermophilum
F9FKA5 − Fusarium oxysporum
0.94
F4P4B0 − Batrachochytrium dendrobatidis
0.96
I1BRG8 − Rhizopus delemar
I1CBW1 − Rhizopus delemar
0.88
Q6X898 − Chlamydomonas reinhardtii
0.86
D8UIP0 − Volvox carteri
G4YPI1 − Phytophthora sojae
0.67
0.88
D0N097 − Phytophthora infestans
0.92
D0P3T3 − Phytophthora infestans
D0N096 − Phytophthora infestans
H3G8X1 − Phytophthora ramorum
B0BMB1 − Xenopus tropicalis
0.93
F7G2J2 − Ornithorhynchus anatinus
0.98
G3VNW1 − Sarcophilus harrisii
0.99
F6YC05 − Monodelphis domestica
E7FDF9 − Danio rerio
0.82
Q4J6V4 − Sulfolobus acidocaldarius
0.923
Q97YI8 − Sulfolobus solfataricus
0.99
C3NK81 − Sulfolobus islandicus
0.92
F0NJJ1 − Sulfolobus islandicus
C4KF85 − Sulfolobus islandicus
E1Z1Z7 − Chlorella variabilis
A5VRY0 − Brucella ovis
Q2YQA0 − Brucella abortus
0.75
B2S765 − Brucella abortus
Q57BR0 − Brucella abortus biovar 1
B0CI90 − Brucella suis
Q10663 − Caenorhabditis elegans
0.75
Q8IA71 − Caenorhabditis elegans
E3LL32 − Caenorhabditis remanei
0.96
G0NEI3 − Caenorhabditis brenneri
0.62
WBGene00028630
A8X1Z9 − Caenorhabditis briggsae

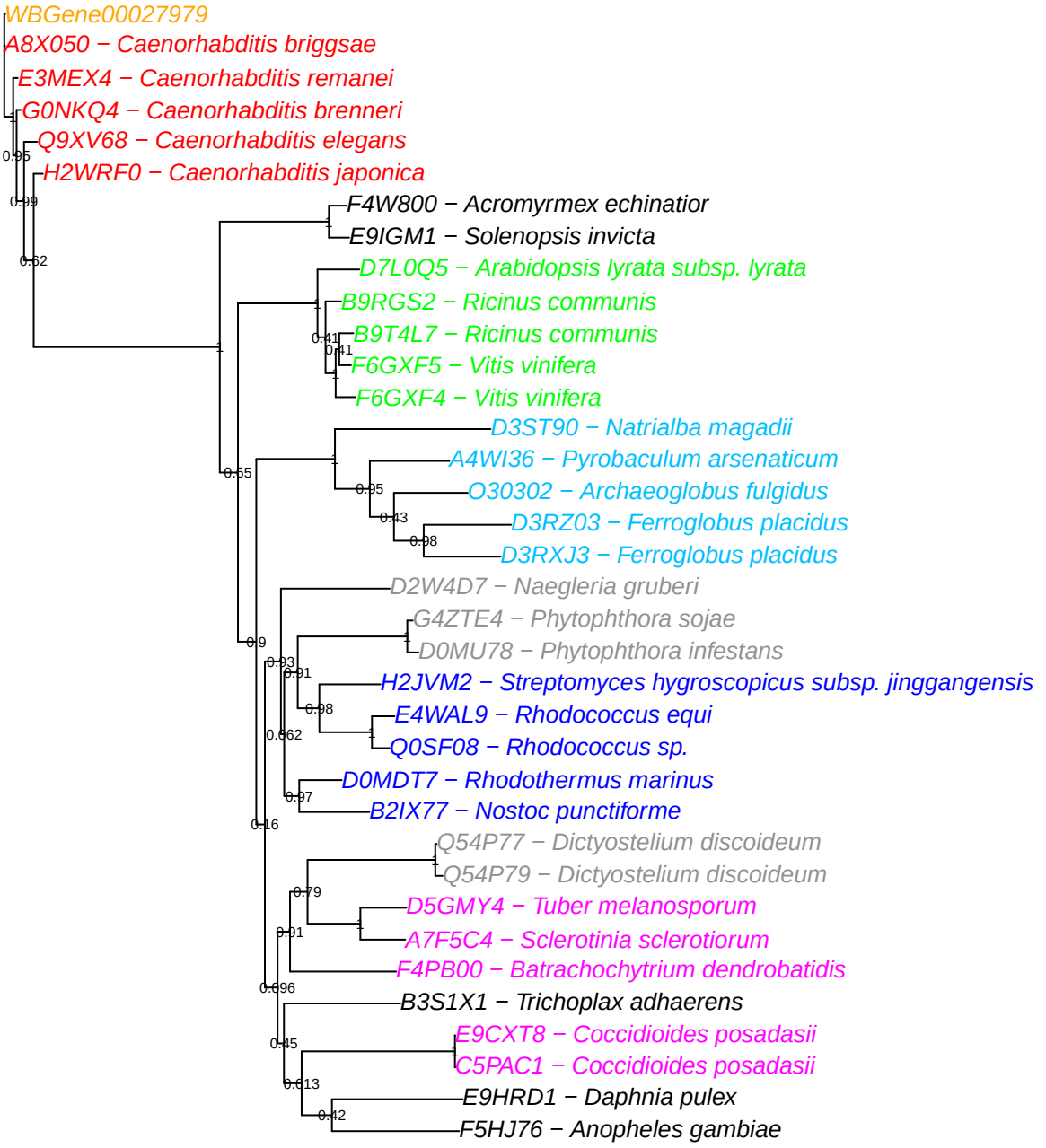

E6ZQZ0 − Sporisorium reilianum
F5HDF1 − Ustilago maydis
F0YRN3 − Aureococcus anophagefferens
0.92
D2BSJ6 − Dickeya dadantii
0.88
B9TI85 − Ricinus communis
0.85
Q8Z4Y5 − Salmonella typhi
0.81
Q5PLG5 − Salmonella paratyphi A
0.75
B5BB93 − Salmonella paratyphi A
G7T277 − Salmonella pullorum
E3MYN1 − Caenorhabditis remanei
O02306 − Caenorhabditis elegans
0.95
0.63
A3QMD3 − Caenorhabditis elegans
0.47
WBGene00028577
1
A8X0H0 − Caenorhabditis briggsae
0.78
A3QMB6 − Caenorhabditis elegans
0.14
G4ZBD1 − Phytophthora sojae
0.61
D0NVH2 − Phytophthora infestans
0.54
0.84
1
G4YYQ7 − Phytophthora sojae
D0N899 − Phytophthora infestans
B9TB86 − Ricinus communis
0.48
E2B2T8 − Harpegnathos saltator
0
Q0P4J9 − Xenopus tropicalis

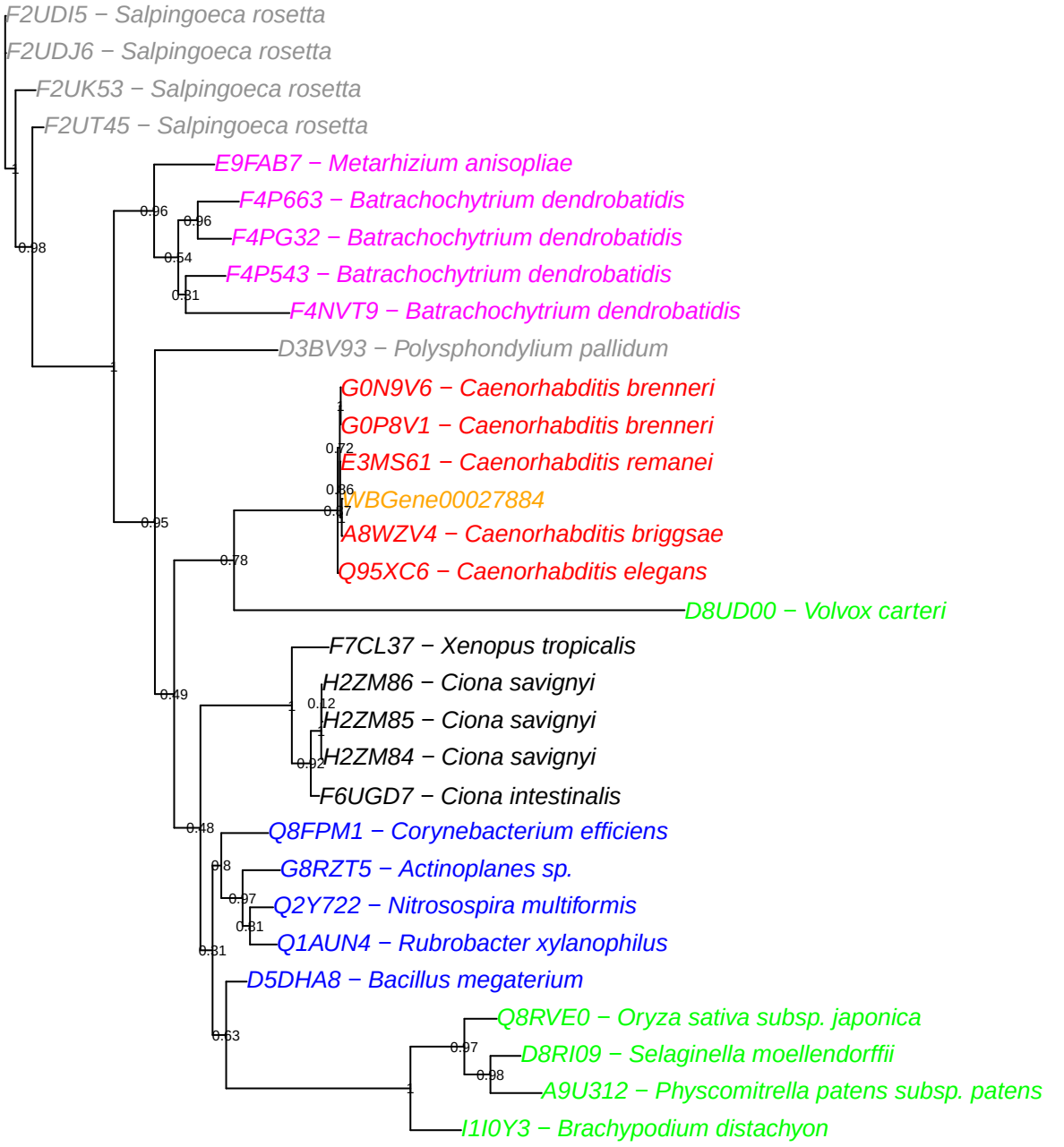

B0W295 − Culex quinquefasciatus
B0W294 − Culex quinquefasciatus
Q0IFP0 − Aedes aegypti
G7DU29 − Mixia osmundae
G4MN29 − Magnaporthe oryzae
I1S6C6 − Gibberella zeae
Q00T45 − Ostreococcus tauri
G4ZR53 − Phytophthora sojae
WBGene00028515
A8X0N3 − Caenorhabditis briggsae
A8X0N2 − Caenorhabditis briggsae
G0PAG3 − Caenorhabditis brenneri
E3MSU6 − Caenorhabditis remanei
E3MSU7 − Caenorhabditis remanei
G2LLC7 − Chloracidobacterium thermophilum
F8CCS6 − Myxococcus fulvus
Q1DFS0 − Myxococcus xanthus
Q098G8 − Stigmatella aurantiaca
B3RX41 − Trichoplax adhaerens
B3RL15 − Trichoplax adhaerens
A0CI83 − Paramecium tetraurelia
A0D6K6 − Paramecium tetraurelia
A0EB14 − Paramecium tetraurelia
A0BPZ8 − Paramecium tetraurelia
D0LYR8 − Haliangium ochraceum
0.91
0.97
0.24
0.95
0
0.68
0.77
0.98
0.41
0.98
0.79
0.75
0.99
0.87
0.93
0.66
0.89
0.98
0.64

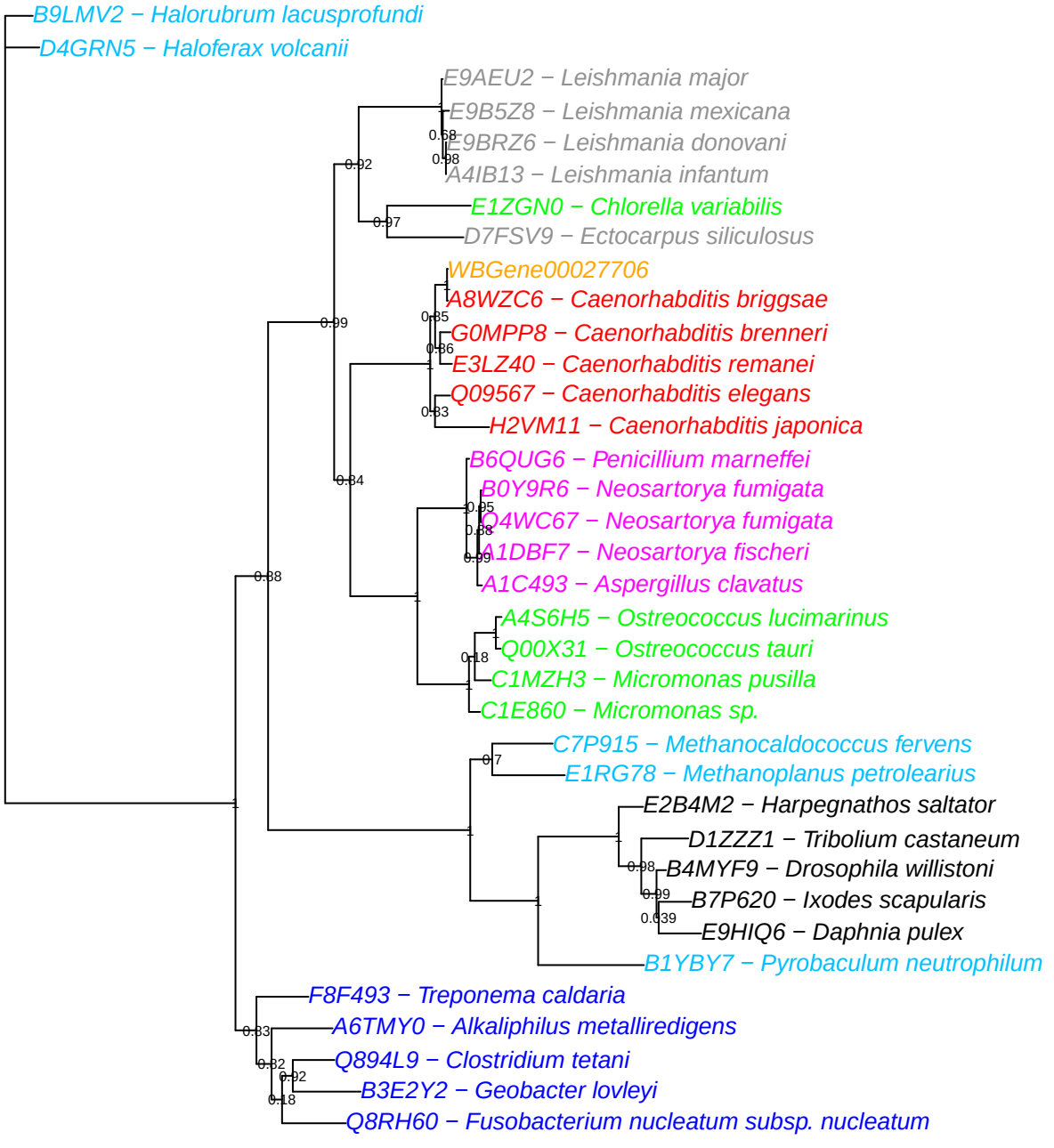

G2Y130 − Botryotinia fuckeliana
A7E9M3 − Sclerotinia sclerotiorum
H0EFT4 − Glarea lozoyensis
D5GMT8 − Tuber melanosporum
F4PZT8 − Dictyostelium fasciculatum
Q86KC1 − Dictyostelium discoideum
F0ZPJ0 − Dictyostelium purpureum
F0ZTW6 − Dictyostelium purpureum
D3BU18 − Polysphondylium pallidum
Q20967 − Caenorhabditis elegans
WBGene00028443
A8X0V5 − Caenorhabditis briggsae
A8X0V7 − Caenorhabditis briggsae
E3M7Y4 − Caenorhabditis remanei
Q20968 − Caenorhabditis elegans
A0K1V4 − Arthrobacter sp.
D2S8W8 − Geodermatophilus obscurus
B8H7X3 − Arthrobacter chlorophenolicus
F6A1C1 − Gardnerella vaginalis
Q03RG8 − Lactobacillus brevis
B7PDB3 − Ixodes scapularis
H2V0E3 − Takifugu rubripes
0.96
0.95
1
0.98
0.6
0.93
0.76
0.79
1
0.85
0.98
0.58
0.73
0.94
0.13
1
0.68
0
0.55

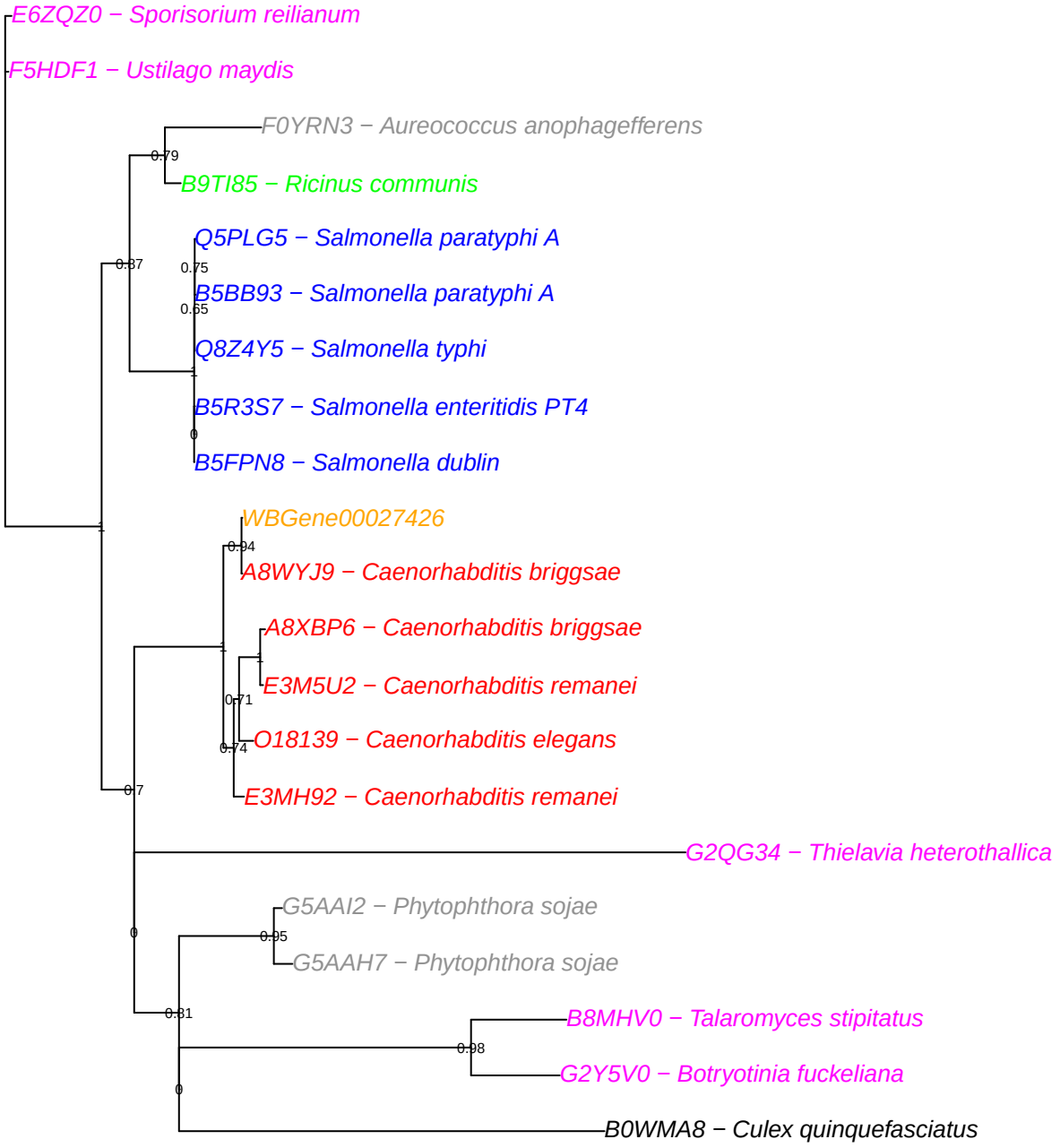

A7E9M3 − Sclerotinia sclerotiorum
G2Y130 − Botryotinia fuckeliana
H0EFT4 − Glarea lozoyensis
D5GMT8 − Tuber melanosporum
Q86KC1 − Dictyostelium discoideum
F0ZTW6 − Dictyostelium purpureum
F0ZPJ0 − Dictyostelium purpureum
F4PZT8 − Dictyostelium fasciculatum
D2S8W8 − Geodermatophilus obscurus
H6RRJ7 − Blastococcus saxobsidens
B8H7X3 − Arthrobacter chlorophenolicus
A0K1V4 − Arthrobacter sp.
B0EHQ2 − Entamoeba dispar
Q20968 − Caenorhabditis elegans
G0PIR6 − Caenorhabditis brenneri
G0NU77 − Caenorhabditis brenneri
E3M7Y4 − Caenorhabditis remanei
WBGene00028441
A8X0V7 − Caenorhabditis briggsae
Q03RG8 − Lactobacillus brevis
H2V0E3 − Takifugu rubripes
F6H5E1 − Vitis vinifera
F9X0L7 − Mycosphaerella graminicola
0.97
0.84
0.64
0.84
0.9
0.64
0.628
0.16
0.82
0.97
0.62

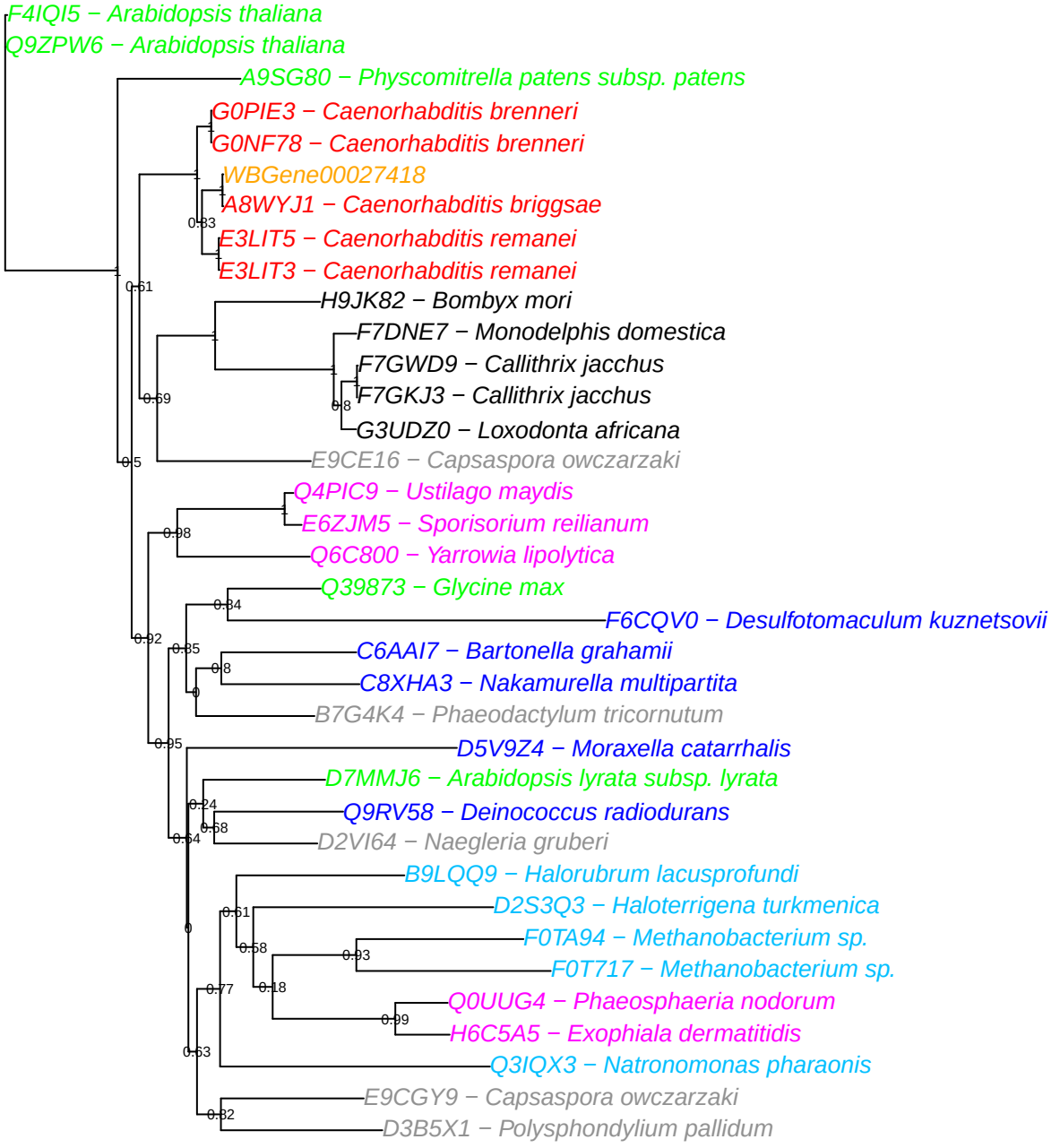

G5AAI2 − Phytophthora sojae
G5AAH7 − Phytophthora sojae
D0N3Z6 − Phytophthora infestans
Q8PV70 − Methanosarcina mazei
E3NE87 − Caenorhabditis remanei
WBGene00028132
A8X1R5 − Caenorhabditis briggsae
E3NE88 − Caenorhabditis remanei
A8X1S4 − Caenorhabditis briggsae
F0YRN3 − Aureococcus anophagefferens
B9TI85 − Ricinus communis
C9X888 − Salmonella typhimurium
Q8Z4Y5 − Salmonella typhi
Q5PLG5 − Salmonella paratyphi A
B5BB93 − Salmonella paratyphi A
B5FPN8 − Salmonella dublin
E3NFA3 − Caenorhabditis remanei
B3M1R8 − Drosophila ananassae
B3M1R9 − Drosophila ananassae
B4NKG3 − Drosophila willistoni
B4NCZ2 − Drosophila willistoni
B3LY78 − Drosophila ananassae
0.54
0.98
0.99
0.88
0.74
0.98
0.67
0.76
0.93

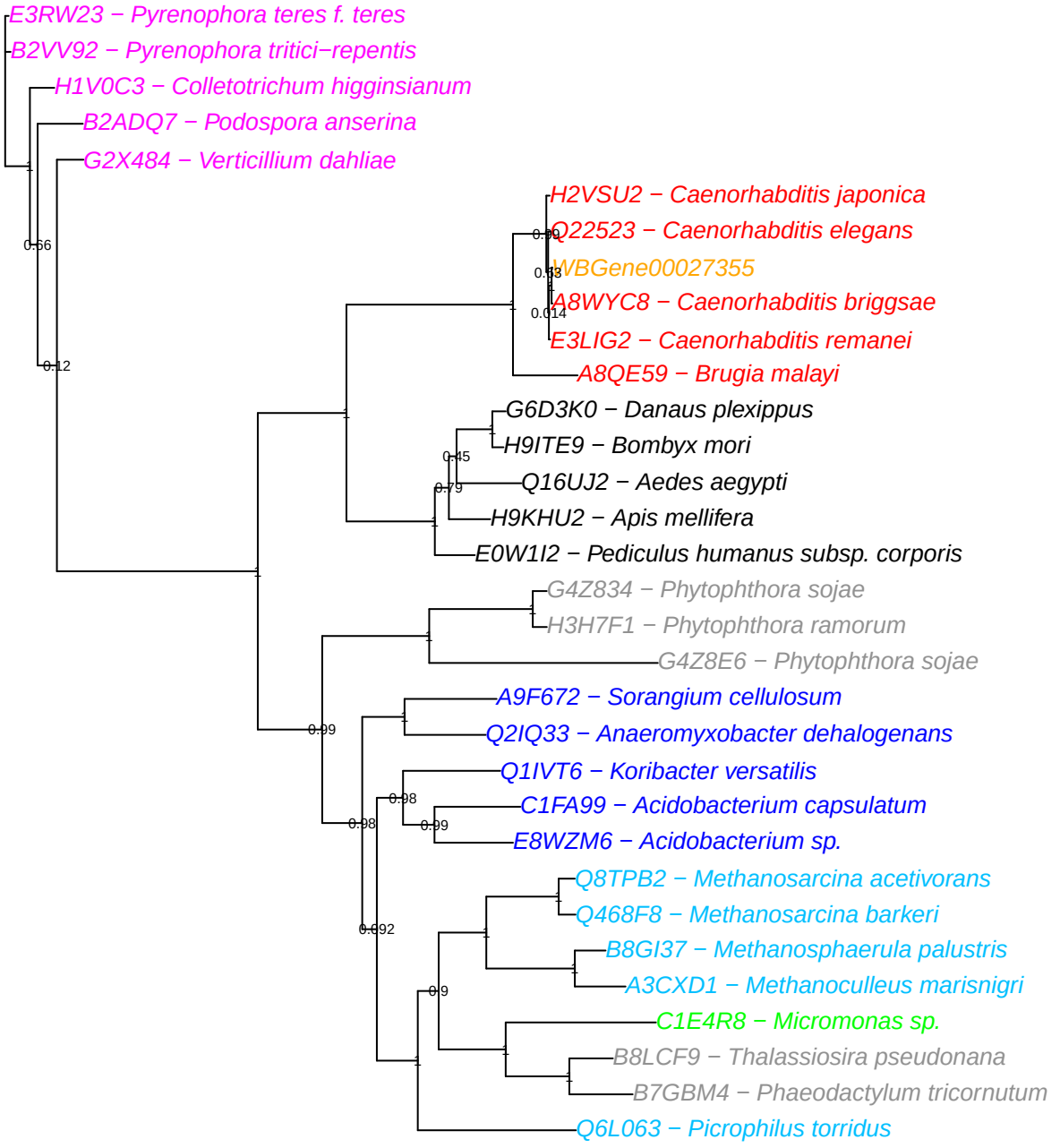

WBGene00027979
A8X050 − Caenorhabditis briggsae
E3MEX4 − Caenorhabditis remanei
G0NKQ4 − Caenorhabditis brenneri
Q9XV68 − Caenorhabditis elegans
H2WRF0 − Caenorhabditis japonica
F4W800 − Acromyrmex echinatior
E9IGM1 − Solenopsis invicta
D7L0Q5 − Arabidopsis lyrata subsp. lyrata
B9RGS2 − Ricinus communis
B9T4L7 − Ricinus communis
F6GXF5 − Vitis vinifera
F6GXF4 − Vitis vinifera
D3ST90 − Natrialba magadii
A4WI36 − Pyrobaculum arsenaticum
O30302 − Archaeoglobus fulgidus
D3RZ03 − Ferroglobus placidus
D3RXJ3 − Ferroglobus placidus
D2W4D7 − Naegleria gruberi
G4ZTE4 − Phytophthora sojae
D0MU78 − Phytophthora infestans
H2JVM2 − Streptomyces hygroscopicus subsp. jinggangensis
E4WAL9 − Rhodococcus equi
Q0SF08 − Rhodococcus sp.
D0MDT7 − Rhodothermus marinus
B2IX77 − Nostoc punctiforme
Q54P77 − Dictyostelium discoideum
Q54P79 − Dictyostelium discoideum
D5GMY4 − Tuber melanosporum
A7F5C4 − Sclerotinia sclerotiorum
F4PB00 − Batrachochytrium dendrobatidis
B3S1X1 − Trichoplax adhaerens
E9CXT8 − Coccidioides posadasii
C5PAC1 − Coccidioides posadasii
E9HRD1 − Daphnia pulex
F5HJ76 − Anopheles gambiae
0.95
0.99
0.62
1
0.41
0.41
1
0.55
1
0.95
0.43
0.98
0.9
0.93
0.91
0.98
0.662
0.97
0.16
0.79
0.91
0.696
0.45
0.613
0.42

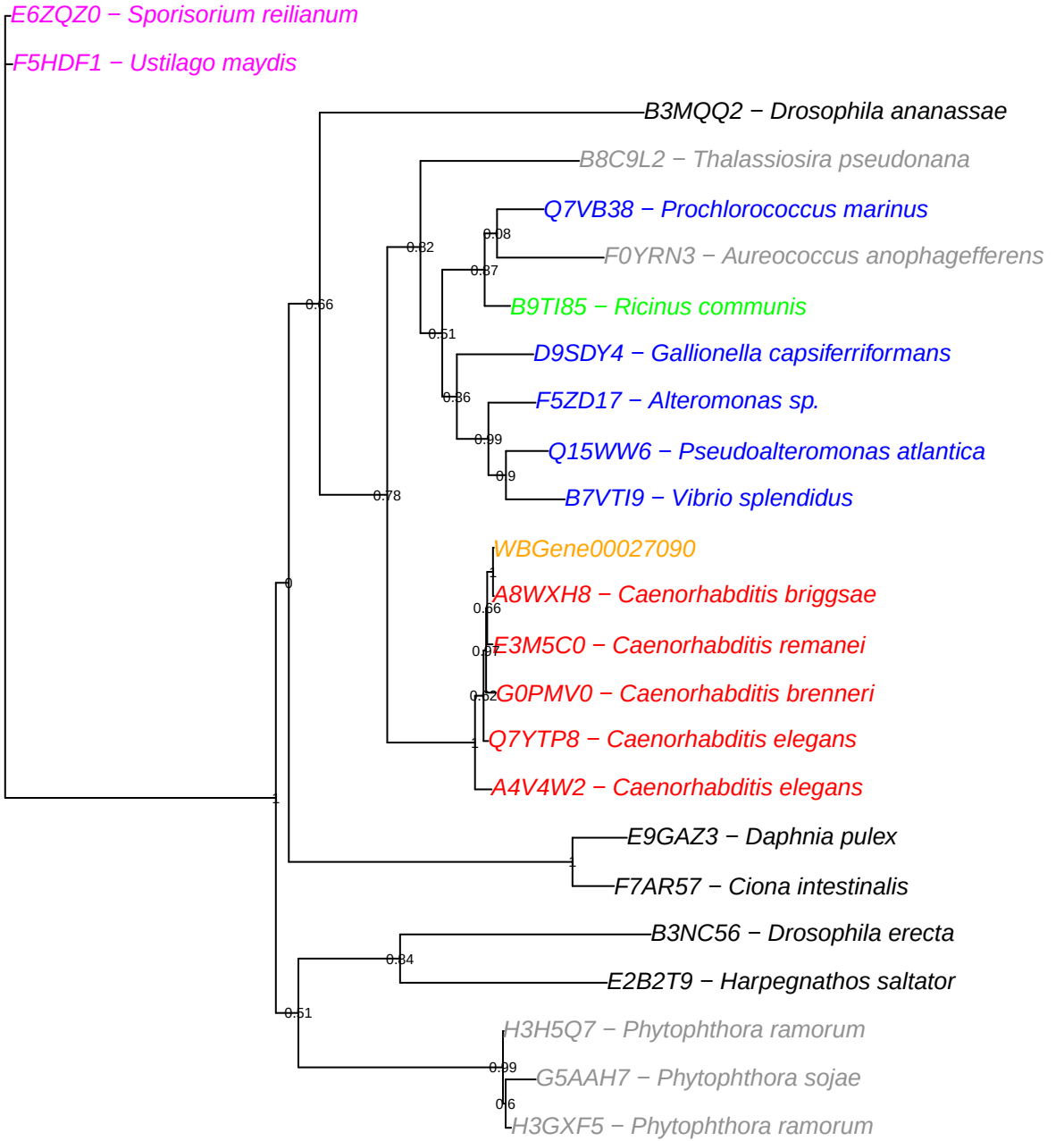

F2UDI5 − Salpingoeca rosetta
F2UDJ6 − Salpingoeca rosetta
F2UK53 − Salpingoeca rosetta
F2UT45 − Salpingoeca rosetta
E9FAB7 − Metarhizium anisopliae
F4P663 − Batrachochytrium dendrobatidis
F4PG32 − Batrachochytrium dendrobatidis
F4P543 − Batrachochytrium dendrobatidis
F4NVT9 − Batrachochytrium dendrobatidis
D3BV93 − Polysphondylium pallidum
G0N9V6 − Caenorhabditis brenneri
G0P8V1 − Caenorhabditis brenneri
E3MS61 − Caenorhabditis remanei
WBGene00027884
A8WZV4 − Caenorhabditis briggsae
Q95XC6 − Caenorhabditis elegans
D8UD00 − Volvox carteri
F7CL37 − Xenopus tropicalis
H2ZM86 − Ciona savignyi
H2ZM85 − Ciona savignyi
H2ZM84 − Ciona savignyi
F6UGD7 − Ciona intestinalis
Q8FPM1 − Corynebacterium efficiens
G8RZT5 − Actinoplanes sp.
Q2Y722 − Nitrosospira multiformis
Q1AUN4 − Rubrobacter xylanophilus
D5DHA8 − Bacillus megaterium
Q8RVE0 − Oryza sativa subsp. japonica
D8RI09 − Selaginella moellendorffii
A9U312 − Physcomitrella patens subsp. patens
I1I0Y3 − Brachypodium distachyon

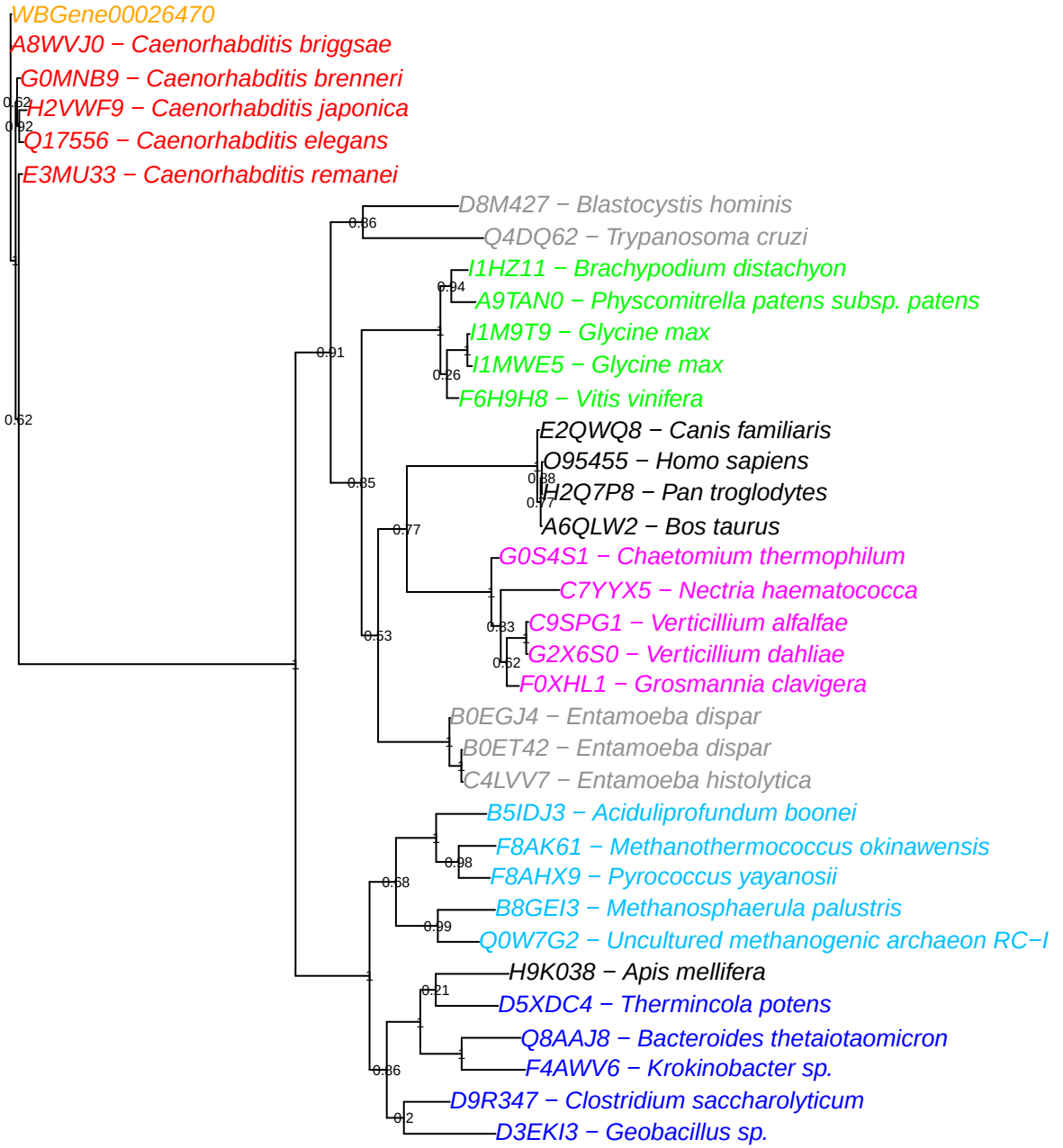

B9LMV2 − Halorubrum lacusprofundi
D4GRN5 − Haloferax volcanii
E9AEU2 − Leishmania major
E9B5Z8 − Leishmania mexicana
E9BRZ6 − Leishmania donovani
A4IB13 − Leishmania infantum
E1ZGN0 − Chlorella variabilis
D7FSV9 − Ectocarpus siliculosus
WBGene00027706
A8WZC6 − Caenorhabditis briggsae
G0MPP8 − Caenorhabditis brenneri
E3LZ40 − Caenorhabditis remanei
Q09567 − Caenorhabditis elegans
H2VM11 − Caenorhabditis japonica
B6QUG6 − Penicillium marneffei
B0Y9R6 − Neosartorya fumigata
Q4WC67 − Neosartorya fumigata
A1DBF7 − Neosartorya fischeri
A1C493 − Aspergillus clavatus
A4S6H5 − Ostreococcus lucimarinus
Q00X31 − Ostreococcus tauri
C1MZH3 − Micromonas pusilla
C1E860 − Micromonas sp.
C7P915 − Methanocaldococcus fervens
E1RG78 − Methanoplanus petrolearius
E2B4M2 − Harpegnathos saltator
D1ZZZ1 − Tribolium castaneum
B4MYF9 − Drosophila willistoni
B7P620 − Ixodes scapularis
E9HIQ6 − Daphnia pulex
B1YBY7 − Pyrobaculum neutrophilum
F8F493 − Treponema caldaria
A6TMY0 − Alkaliphilus metalliredigens
Q894L9 − Clostridium tetani
B3E2Y2 − Geobacter lovleyi
Q8RH60 − Fusobacterium nucleatum subsp. nucleatum
0.58
0.98
0.92
0.97
0.85
0.86
0.83
0.99
0.84
0.95
0.88
0.99
0.88
0.18
0.7
0.98
0.99
0.039
0.83
0.82
0.92
0.18

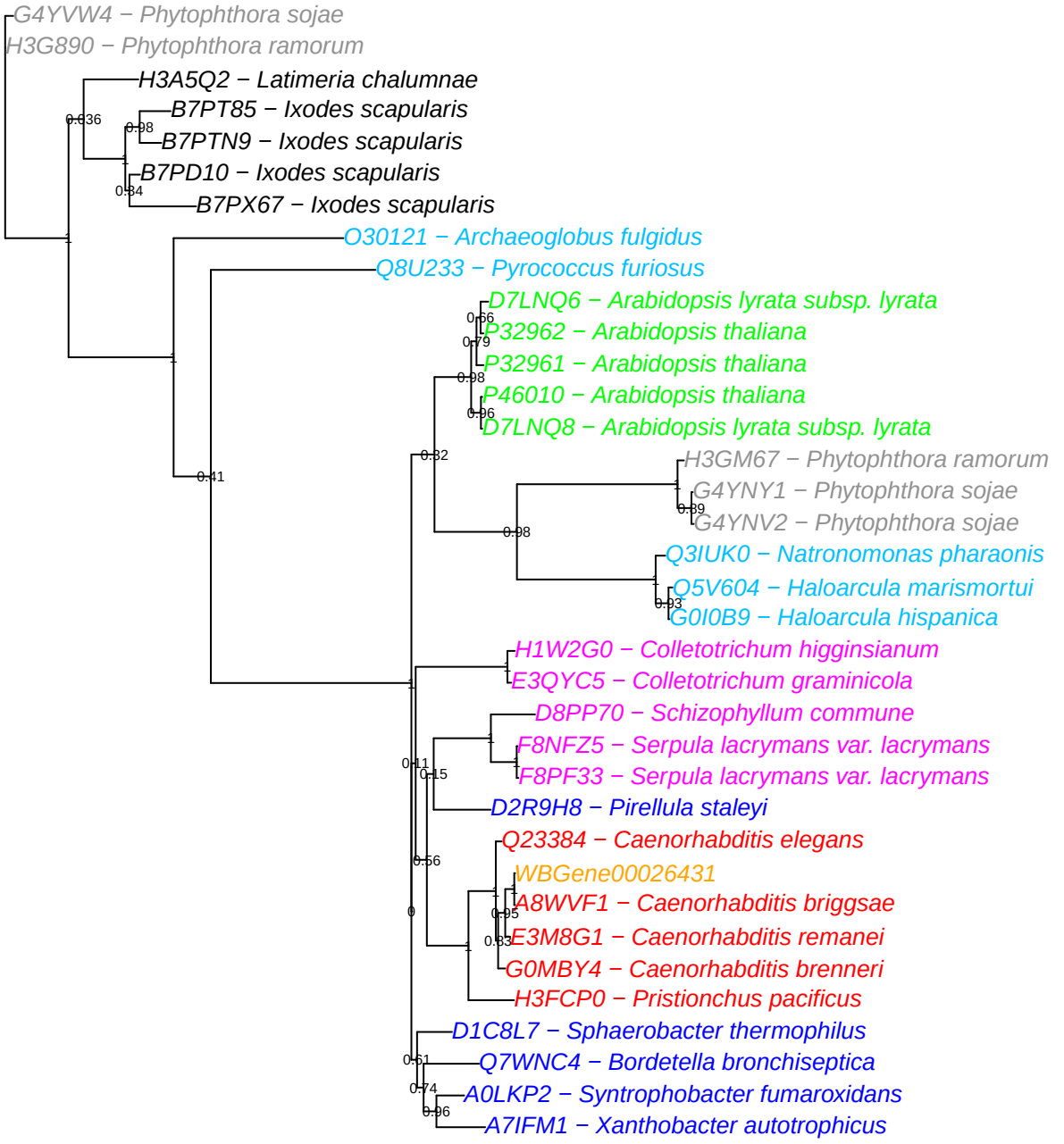

E6ZQZ0 − Sporisorium reilianum
F5HDF1 − Ustilago maydis
F0YRN3 − Aureococcus anophagefferens
0.79
B9TI85 − Ricinus communis
Q5PLG5 − Salmonella paratyphi A
0.87
0.75
B5BB93 − Salmonella paratyphi A
0.65
Q8Z4Y5 − Salmonella typhi
1
B5R3S7 − Salmonella enteritidis PT4
0
B5FPN8 − Salmonella dublin
WBGene00027426
1
0.94
A8WYJ9 − Caenorhabditis briggsae
A8XBP6 − Caenorhabditis briggsae
1
1
E3M5U2 − Caenorhabditis remanei
0.71
O18139 − Caenorhabditis elegans
0.74
E3MH92 − Caenorhabditis remanei
0.7
G2QG34 − Thielavia heterothallica
G5AAI2 − Phytophthora sojae
0
0.95
G5AAH7 − Phytophthora sojae
0.81
B8MHV0 − Talaromyces stipitatus
0.98
G2Y5V0 − Botryotinia fuckeliana
0
B0WMA8 − Culex quinquefasciatus

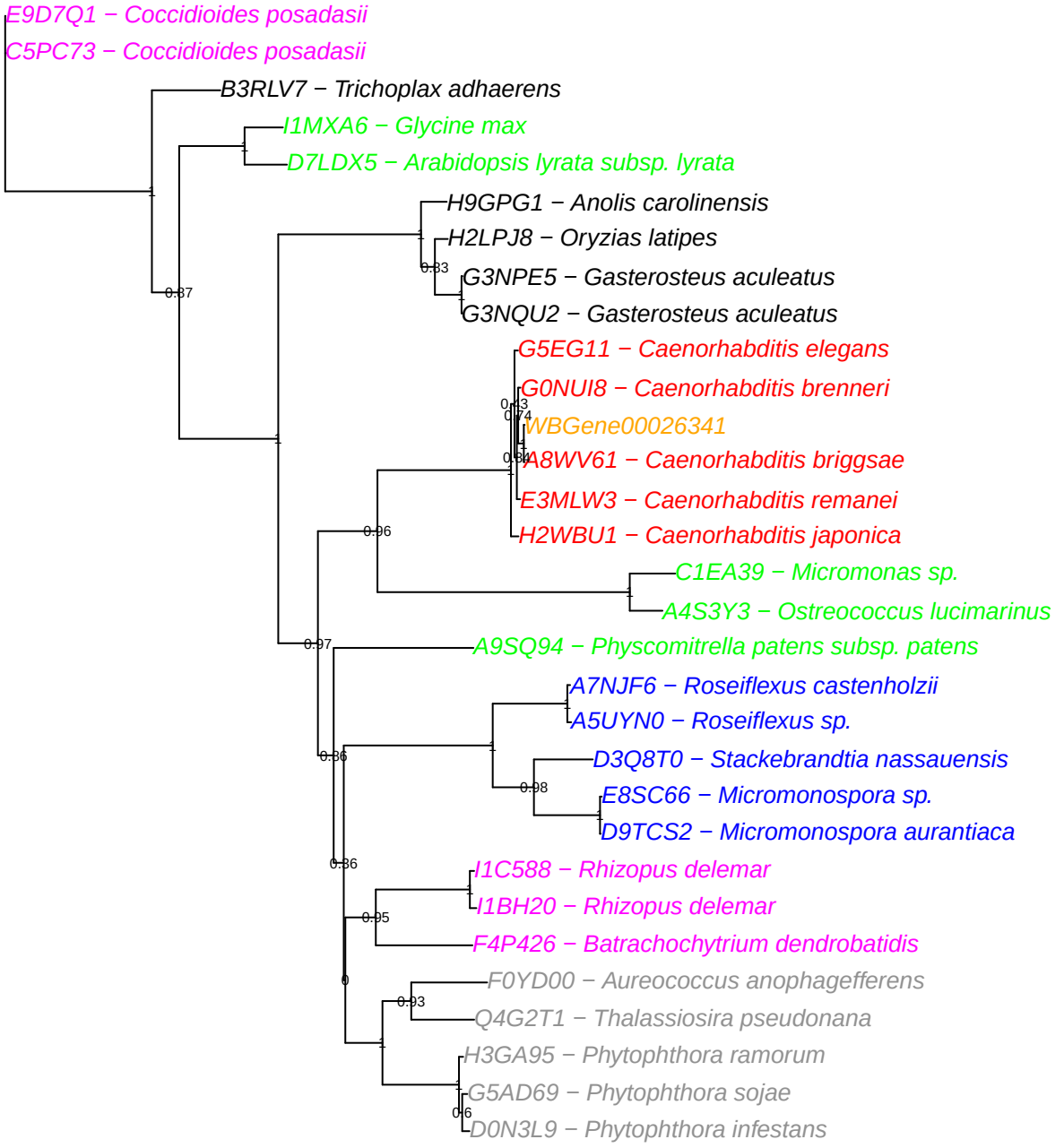

F4IQI5 − Arabidopsis thaliana
Q9ZPW6 − Arabidopsis thaliana
A9SG80 − Physcomitrella patens subsp. patens
G0PIE3 − Caenorhabditis brenneri
G0NF78 − Caenorhabditis brenneri
WBGene00027418
A8WYJ1 − Caenorhabditis briggsae
E3LIT5 − Caenorhabditis remanei
E3LIT3 − Caenorhabditis remanei
H9JK82 − Bombyx mori
F7DNE7 − Monodelphis domestica
F7GWD9 − Callithrix jacchus
F7GKJ3 − Callithrix jacchus
G3UDZ0 − Loxodonta africana
E9CE16 − Capsaspora owczarzaki
Q4PIC9 − Ustilago maydis
E6ZJM5 − Sporisorium reilianum
Q6C800 − Yarrowia lipolytica
Q39873 − Glycine max
F6CQV0 − Desulfotomaculum kuznetsovii
C6AAI7 − Bartonella grahamii
C8XHA3 − Nakamurella multipartita
B7G4K4 − Phaeodactylum tricornutum
D5V9Z4 − Moraxella catarrhalis
D7MMJ6 − Arabidopsis lyrata subsp. lyrata
Q9RV58 − Deinococcus radiodurans
D2VI64 − Naegleria gruberi
B9LQQ9 − Halorubrum lacusprofundi
D2S3Q3 − Haloterrigena turkmenica
F0TA94 − Methanobacterium sp.
F0T717 − Methanobacterium sp.
Q0UUG4 − Phaeosphaeria nodorum
H6C5A5 − Exophiala dermatitidis
Q3IQX3 − Natronomonas pharaonis
E9CGY9 − Capsaspora owczarzaki
D3B5X1 − Polysphondylium pallidum
1
0.61
0.83
1
1
1
1
1
0.69
0.8
0.5
1
0.98
0.84
0.92
0.85
0.8
0
0.95
0.24
0.68
0.64
0
0.61
0.58
0.93
0.77
0.18
0.99
0.63
0.82

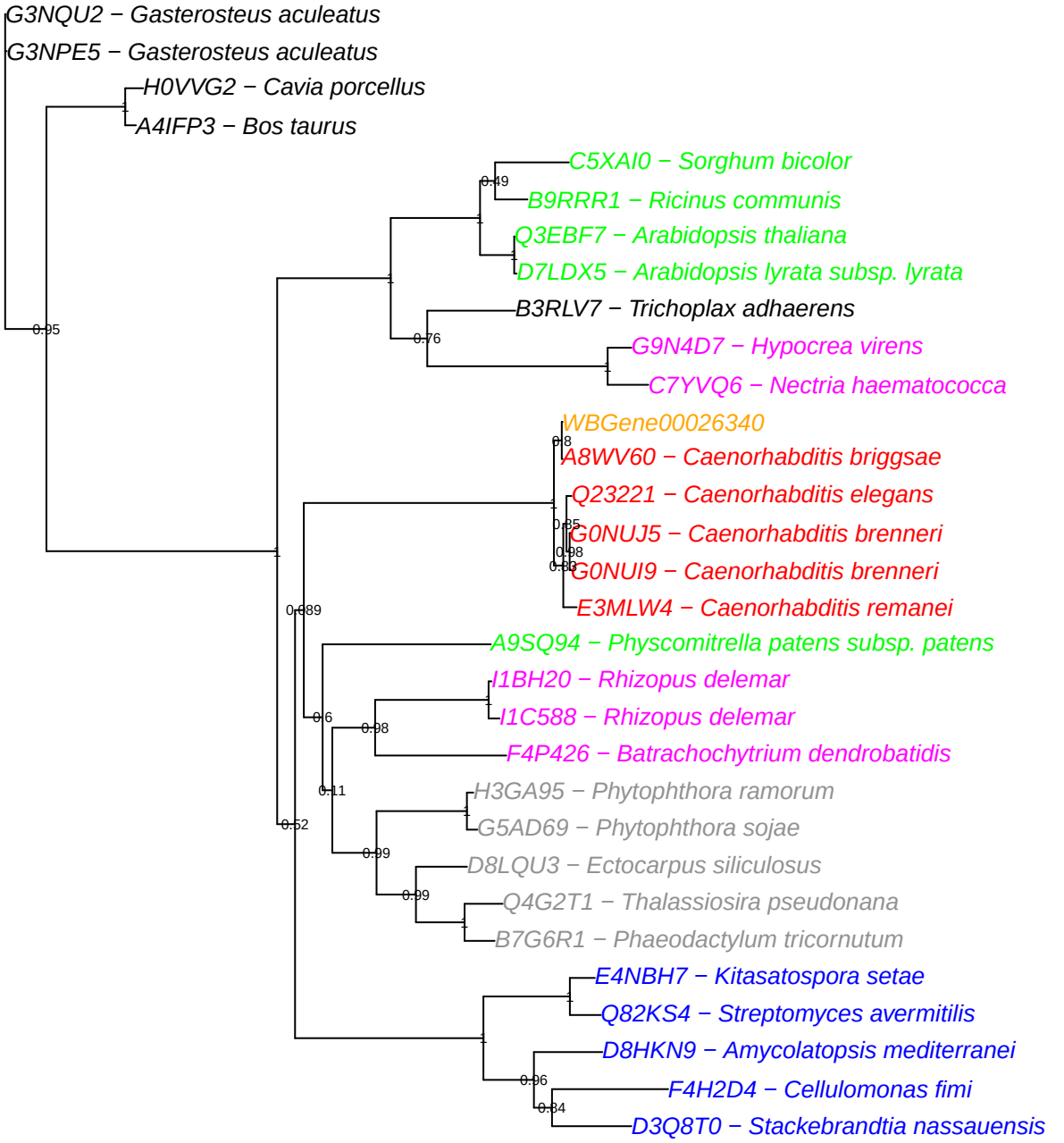

E3RW23 − Pyrenophora teres f. teres
B2VV92 − Pyrenophora tritici−repentis
H1V0C3 − Colletotrichum higginsianum
B2ADQ7 − Podospora anserina
G2X484 − Verticillium dahliae
H2VSU2 − Caenorhabditis japonica
Q22523 − Caenorhabditis elegans
WBGene00027355
A8WYC8 − Caenorhabditis briggsae
E3LIG2 − Caenorhabditis remanei
A8QE59 − Brugia malayi
G6D3K0 − Danaus plexippus
H9ITE9 − Bombyx mori
Q16UJ2 − Aedes aegypti
H9KHU2 − Apis mellifera
E0W1I2 − Pediculus humanus subsp. corporis
G4Z834 − Phytophthora sojae
H3H7F1 − Phytophthora ramorum
G4Z8E6 − Phytophthora sojae
A9F672 − Sorangium cellulosum
Q2IQ33 − Anaeromyxobacter dehalogenans
Q1IVT6 − Koribacter versatilis
C1FA99 − Acidobacterium capsulatum
E8WZM6 − Acidobacterium sp.
Q8TPB2 − Methanosarcina acetivorans
Q468F8 − Methanosarcina barkeri
B8GI37 − Methanosphaerula palustris
A3CXD1 − Methanoculleus marisnigri
C1E4R8 − Micromonas sp.
B8LCF9 − Thalassiosira pseudonana
B7GBM4 − Phaeodactylum tricornutum
Q6L063 − Picrophilus torridus
0.66
0.12
0.99
0.98
0.014
0.45
0.79
0.99
0.98
0.98
0.99
0.992
0.9

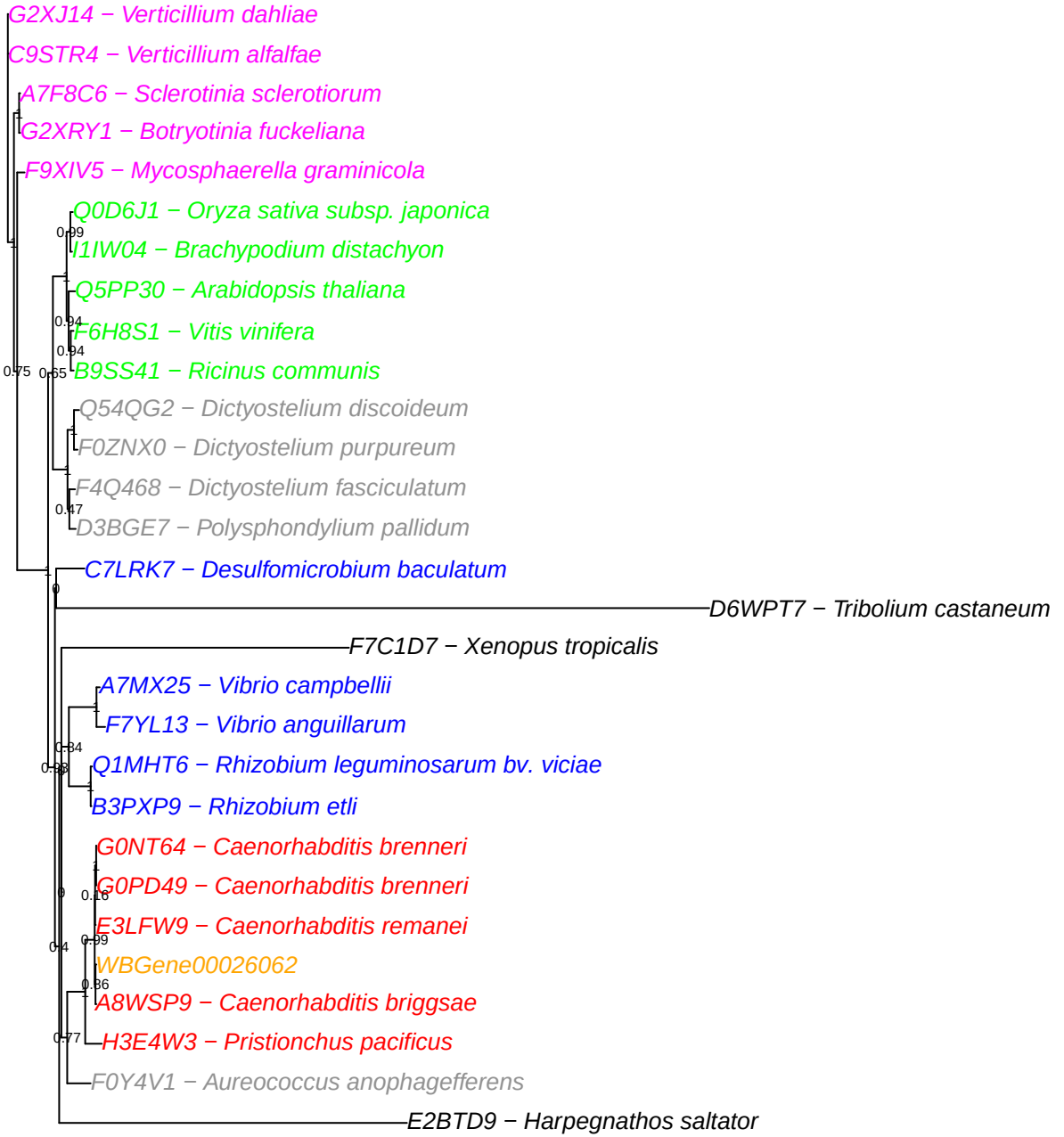

E6ZQZ0 − Sporisorium reilianum
F5HDF1 − Ustilago maydis
B3MQQ2 − Drosophila ananassae
B8C9L2 − Thalassiosira pseudonana
Q7VB38 − Prochlorococcus marinus
F0YRN3 − Aureococcus anophagefferens
B9TI85 − Ricinus communis
D9SDY4 − Gallionella capsiferriformans
F5ZD17 − Alteromonas sp.
Q15WW6 − Pseudoalteromonas atlantica
B7VTI9 − Vibrio splendidus
WBGene00027090
A8WXH8 − Caenorhabditis briggsae
E3M5C0 − Caenorhabditis remanei
G0PMV0 − Caenorhabditis brenneri
Q7YTP8 − Caenorhabditis elegans
A4V4W2 − Caenorhabditis elegans
E9GAZ3 − Daphnia pulex
F7AR57 − Ciona intestinalis
B3NC56 − Drosophila erecta
E2B2T9 − Harpegnathos saltator
H3H5Q7 − Phytophthora ramorum
G5AAH7 − Phytophthora sojae
H3GXF5 − Phytophthora ramorum
0.08
0.82
0.87
0.56
0.51
0.36
0.99
0.9
0.78
1
0.66
0.97
0.52
1
0
1
1
0.84
0.51
0.99
0.6

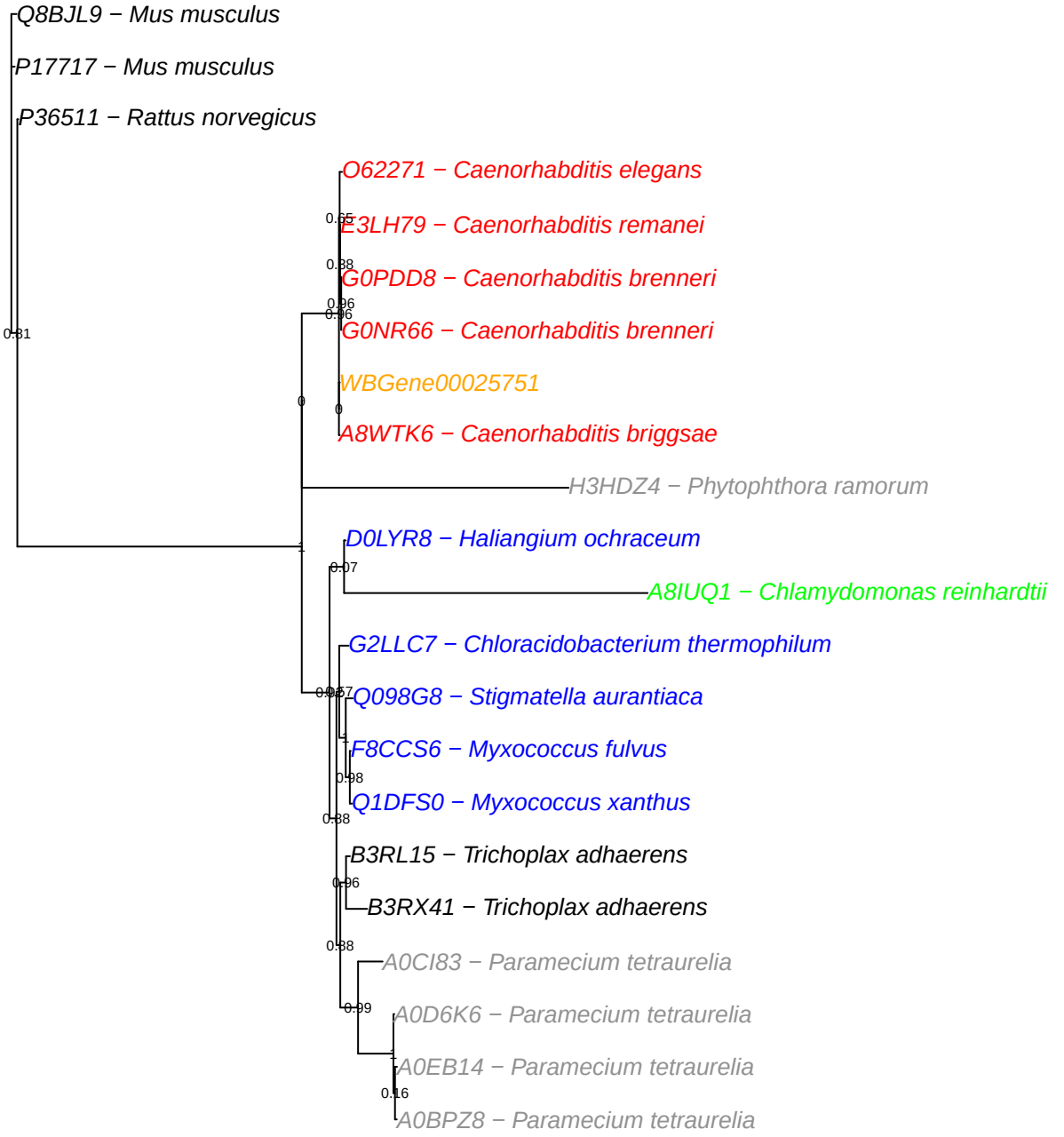

WBGene00026470
A8WVJ0 − Caenorhabditis briggsae
G0MNB9 − Caenorhabditis brenneri
H2VWF9 − Caenorhabditis japonica
Q17556 − Caenorhabditis elegans
E3MU33 − Caenorhabditis remanei
D8M427 − Blastocystis hominis
Q4DQ62 − Trypanosoma cruzi
I1HZ11 − Brachypodium distachyon
A9TAN0 − Physcomitrella patens subsp. patens
I1M9T9 − Glycine max
I1MWE5 − Glycine max
F6H9H8 − Vitis vinifera
E2QWQ8 − Canis familiaris
O95455 − Homo sapiens
H2Q7P8 − Pan troglodytes
A6QLW2 − Bos taurus
G0S4S1 − Chaetomium thermophilum
C7YYX5 − Nectria haematococca
C9SPG1 − Verticillium alfalfae
G2X6S0 − Verticillium dahliae
F0XHL1 − Grosmannia clavigera
B0EGJ4 − Entamoeba dispar
B0ET42 − Entamoeba dispar
C4LVV7 − Entamoeba histolytica
B5IDJ3 − Aciduliprofundum boonei
F8AK61 − Methanothermococcus okinawensis
F8AHX9 − Pyrococcus yayanosii
B8GEI3 − Methanosphaerula palustris
Q0W7G2 − Uncultured methanogenic archaeon RC−I
H9K038 − Apis mellifera
D5XDC4 − Thermincola potens
Q8AAJ8 − Bacteroides thetaiotaomicron
F4AWV6 − Krokinobacter sp.
D9R347 − Clostridium saccharolyticum
D3EKI3 − Geobacillus sp.
0.62
0.92
0.52
0.86
0.94
0.91
0.26
0.85
0.88
0.77
0.53
0.83
0.62
0.98
0.68
0.99
0.21
0.86
0.2

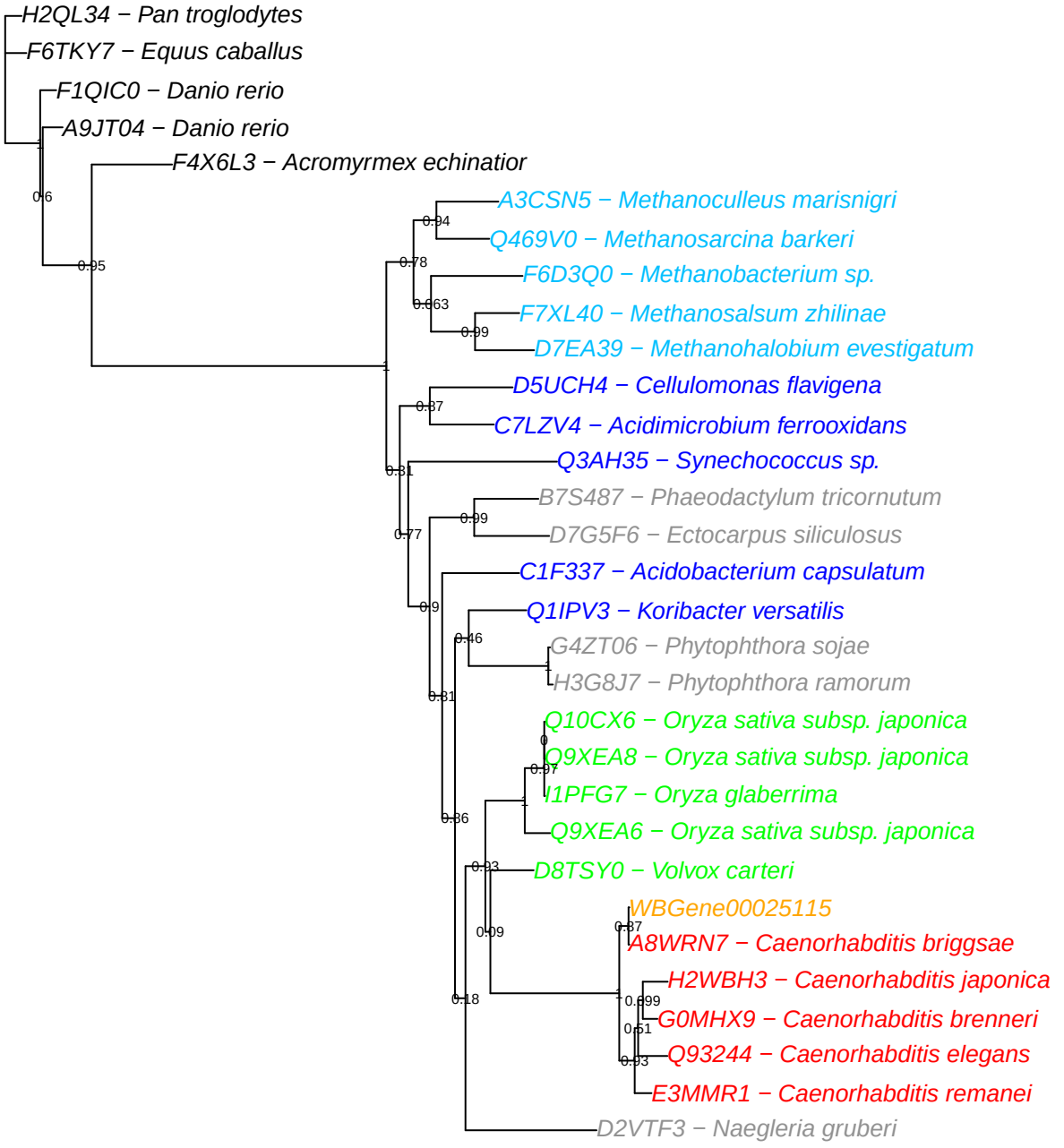

G4YVW4 − Phytophthora sojae
H3G890 − Phytophthora ramorum
H3A5Q2 − Latimeria chalumnae
B7PT85 − Ixodes scapularis
B7PTN9 − Ixodes scapularis
B7PD10 − Ixodes scapularis
B7PX67 − Ixodes scapularis
O30121 − Archaeoglobus fulgidus
Q8U233 − Pyrococcus furiosus
D7LNQ6 − Arabidopsis lyrata subsp. lyrata
P32962 − Arabidopsis thaliana
P32961 − Arabidopsis thaliana
P46010 − Arabidopsis thaliana
D7LNQ8 − Arabidopsis lyrata subsp. lyrata
H3GM67 − Phytophthora ramorum
G4YNY1 − Phytophthora sojae
G4YNV2 − Phytophthora sojae
Q3IUK0 − Natronomonas pharaonis
Q5V604 − Haloarcula marismortui
G0I0B9 − Haloarcula hispanica
H1W2G0 − Colletotrichum higginsianum
E3QYC5 − Colletotrichum graminicola
D8PP70 − Schizophyllum commune
F8NFZ5 − Serpula lacrymans var. lacrymans
F8PF33 − Serpula lacrymans var. lacrymans
D2R9H8 − Pirellula staleyi
Q23384 − Caenorhabditis elegans
WBGene00026431
A8WVF1 − Caenorhabditis briggsae
E3M8G1 − Caenorhabditis remanei
G0MBY4 − Caenorhabditis brenneri
H3FCP0 − Pristionchus pacificus
D1C8L7 − Sphaerobacter thermophilus
Q7WNC4 − Bordetella bronchiseptica
A0LKP2 − Syntrophobacter fumaroxidans
A7IFM1 − Xanthobacter autotrophicus
0.036
0.98
0.84
0.41
0.66
0.79
0.98
0.96
0.82
0.89
0.98
0.93
0.11
0.15
0.56
0
0.95
0.83
0.61
0.74
0.96

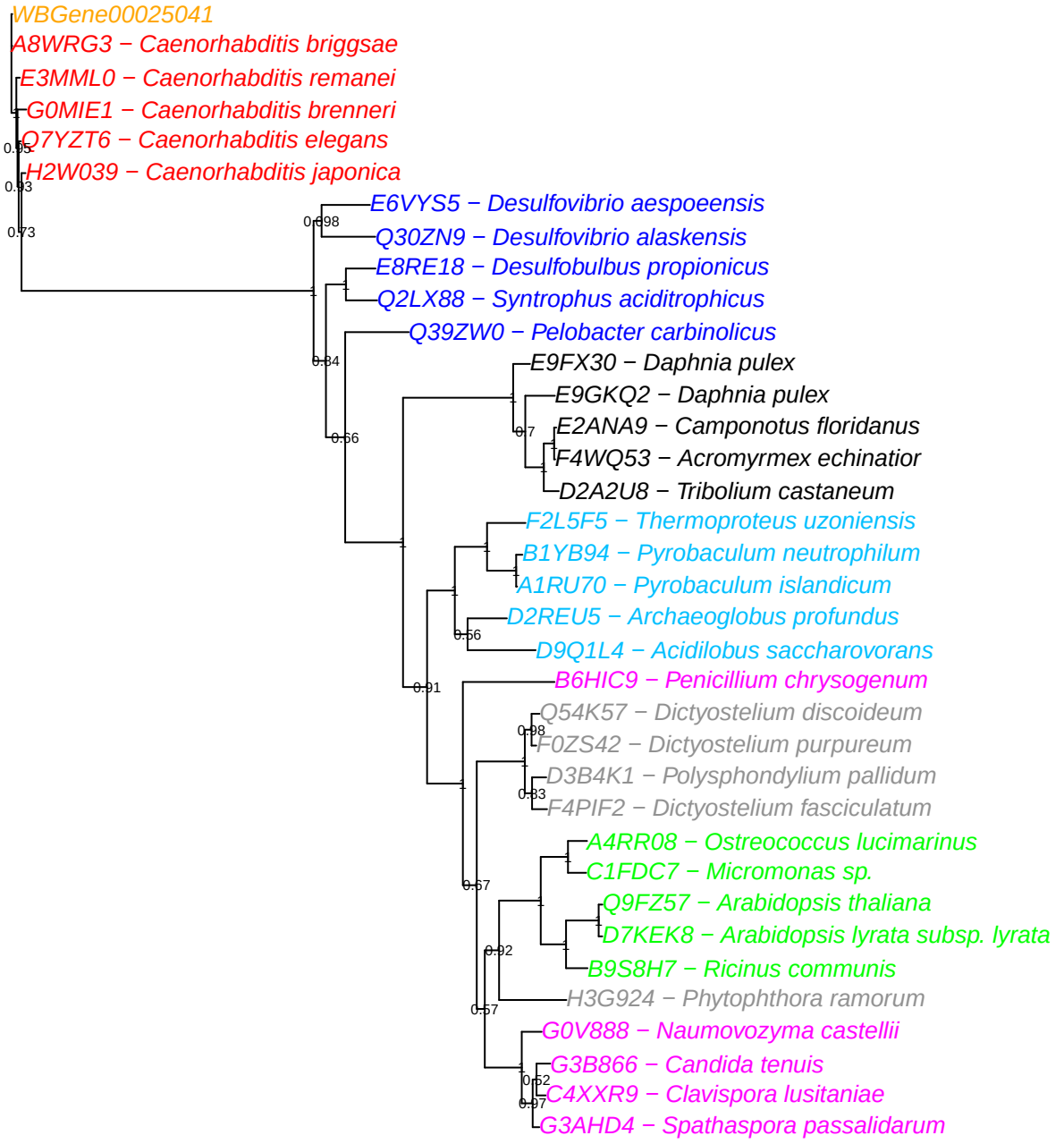

E9D7Q1 − Coccidioides posadasii
C5PC73 − Coccidioides posadasii
B3RLV7 − Trichoplax adhaerens
I1MXA6 − Glycine max
D7LDX5 − Arabidopsis lyrata subsp. lyrata
H9GPG1 − Anolis carolinensis
H2LPJ8 − Oryzias latipes
G3NPE5 − Gasterosteus aculeatus
G3NQU2 − Gasterosteus aculeatus
G5EG11 − Caenorhabditis elegans
G0NUI8 − Caenorhabditis brenneri
WBGene00026341
A8WV61 − Caenorhabditis briggsae
E3MLW3 − Caenorhabditis remanei
H2WBU1 − Caenorhabditis japonica
C1EA39 − Micromonas sp.
A4S3Y3 − Ostreococcus lucimarinus
A9SQ94 − Physcomitrella patens subsp. patens
A7NJF6 − Roseiflexus castenholzii
A5UYN0 − Roseiflexus sp.
D3Q8T0 − Stackebrandtia nassauensis
E8SC66 − Micromonospora sp.
D9TCS2 − Micromonospora aurantiaca
I1C588 − Rhizopus delemar
I1BH20 − Rhizopus delemar
F4P426 − Batrachochytrium dendrobatidis
F0YD00 − Aureococcus anophagefferens
Q4G2T1 − Thalassiosira pseudonana
H3GA95 − Phytophthora ramorum
G5AD69 − Phytophthora sojae
D0N3L9 − Phytophthora infestans
0.83
0.87
0.74
0.96
0.97
0.86
0.98
0.86
0.95
0.93
0.96

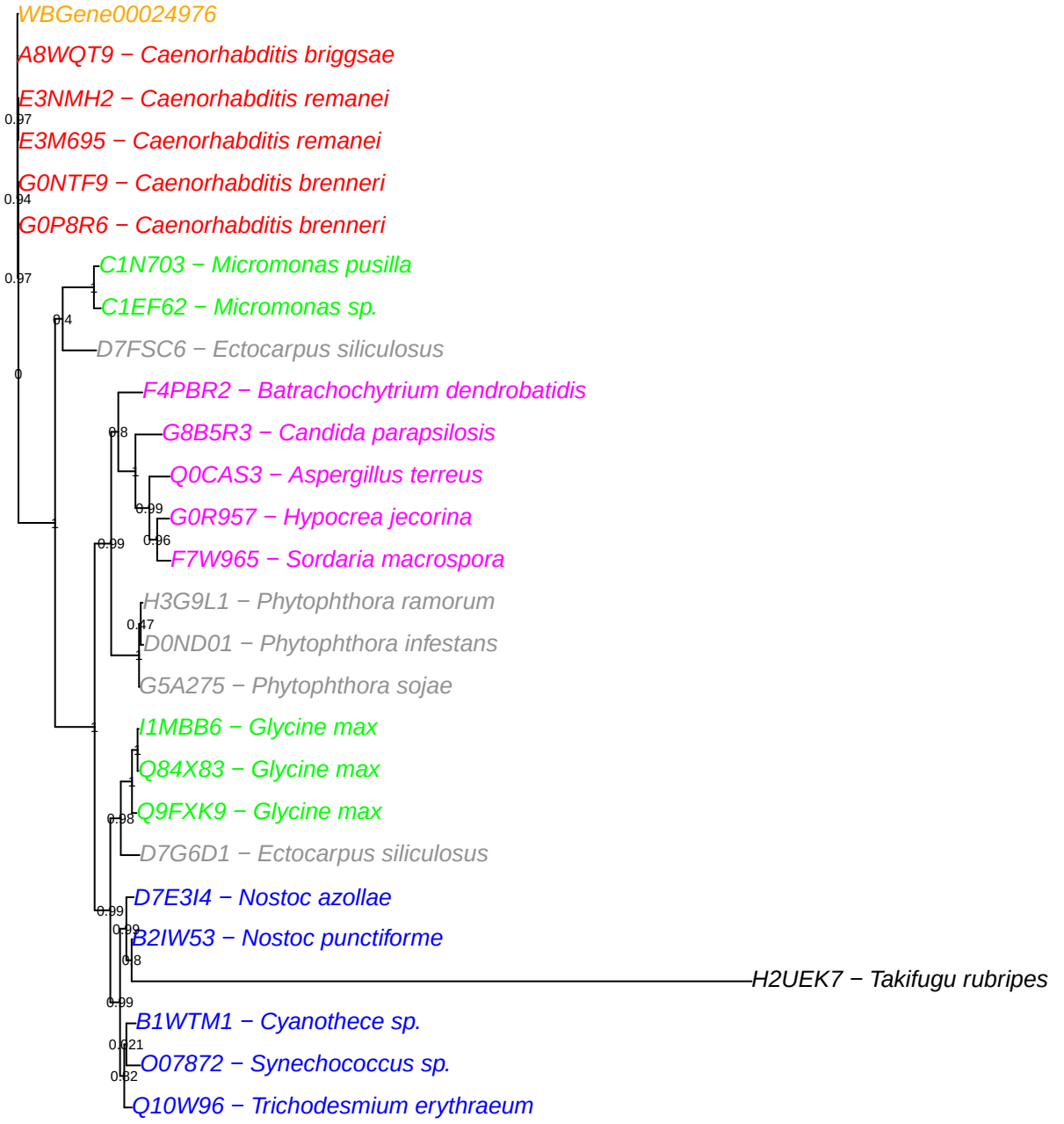

G3NQU2 − Gasterosteus aculeatus
G3NPE5 − Gasterosteus aculeatus
H0VVG2 − Cavia porcellus
A4IFP3 − Bos taurus
C5XAI0 − Sorghum bicolor
B9RRR1 − Ricinus communis
Q3EBF7 − Arabidopsis thaliana
D7LDX5 − Arabidopsis lyrata subsp. lyrata
B3RLV7 − Trichoplax adhaerens
G9N4D7 − Hypocrea virens
C7YVQ6 − Nectria haematococca
WBGene00026340
A8WV60 − Caenorhabditis briggsae
Q23221 − Caenorhabditis elegans
G0NUJ5 − Caenorhabditis brenneri
G0NUI9 − Caenorhabditis brenneri
E3MLW4 − Caenorhabditis remanei
A9SQ94 − Physcomitrella patens subsp. patens
I1BH20 − Rhizopus delemar
I1C588 − Rhizopus delemar
F4P426 − Batrachochytrium dendrobatidis
H3GA95 − Phytophthora ramorum
G5AD69 − Phytophthora sojae
D8LQU3 − Ectocarpus siliculosus
Q4G2T1 − Thalassiosira pseudonana
B7G6R1 − Phaeodactylum tricornutum
E4NBH7 − Kitasatospora setae
Q82KS4 − Streptomyces avermitilis
D8HKN9 − Amycolatopsis mediterranei
F4H2D4 − Cellulomonas fimi
D3Q8T0 − Stackebrandtia nassauensis
0.49
0.95
0.76
0.8
0.889
0.6
0.98
0.11
0.52
0.99
0.99
0.96
0.84

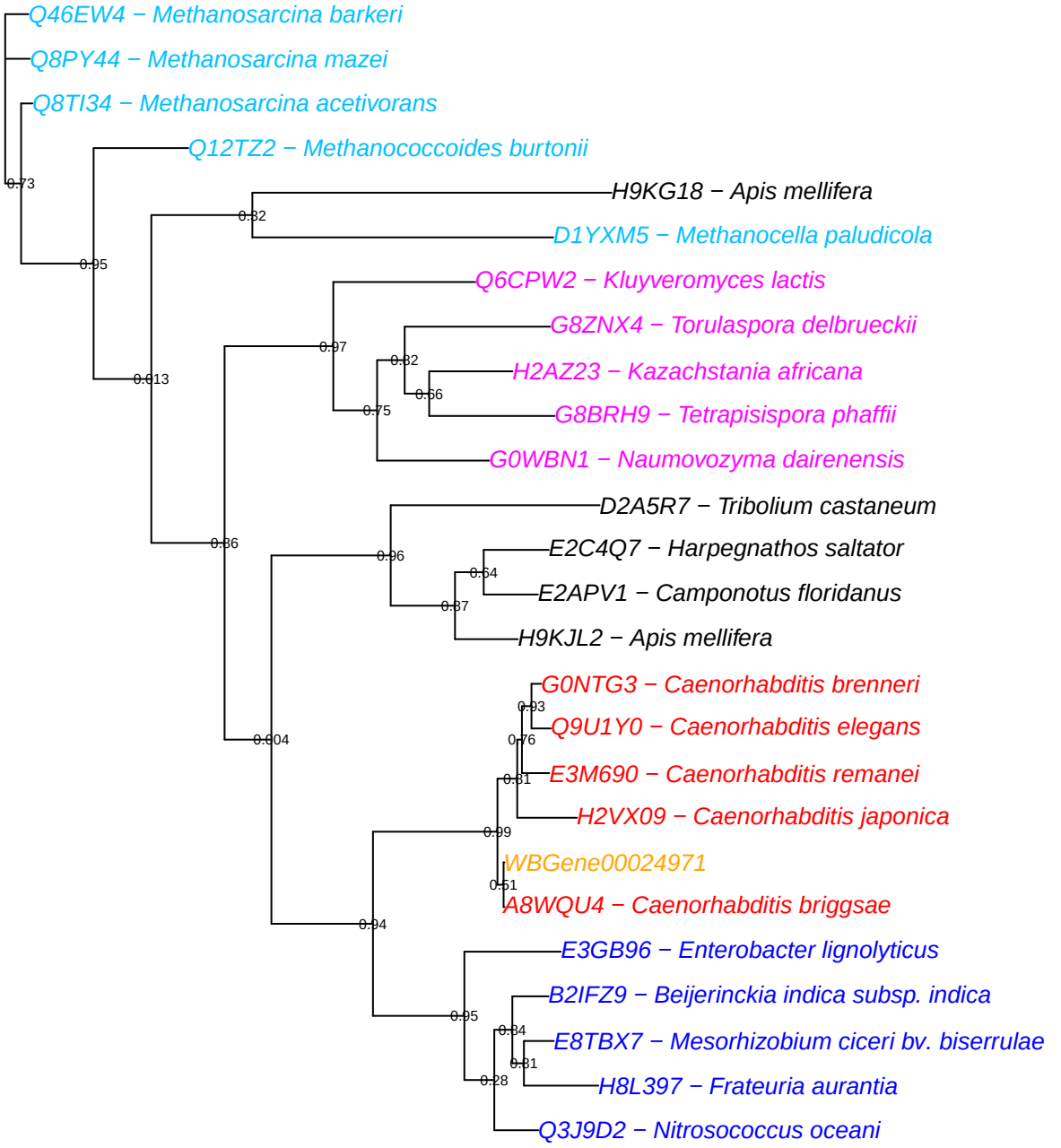

G2XJ14 − Verticillium dahliae
C9STR4 − Verticillium alfalfae
A7F8C6 − Sclerotinia sclerotiorum
G2XRY1 − Botryotinia fuckeliana
F9XIV5 − Mycosphaerella graminicola
Q0D6J1 − Oryza sativa subsp. japonica
I1IW04 − Brachypodium distachyon
Q5PP30 − Arabidopsis thaliana
F6H8S1 − Vitis vinifera
B9SS41 − Ricinus communis
Q54QG2 − Dictyostelium discoideum
F0ZNX0 − Dictyostelium purpureum
F4Q468 − Dictyostelium fasciculatum
D3BGE7 − Polysphondylium pallidum
C7LRK7 − Desulfomicrobium baculatum
D6WPT7 − Tribolium castaneum
F7C1D7 − Xenopus tropicalis
A7MX25 − Vibrio campbellii
F7YL13 − Vibrio anguillarum
Q1MHT6 − Rhizobium leguminosarum bv. viciae
B3PXP9 − Rhizobium etli
G0NT64 − Caenorhabditis brenneri
G0PD49 − Caenorhabditis brenneri
E3LFW9 − Caenorhabditis remanei
WBGene00026062
A8WSP9 − Caenorhabditis briggsae
H3E4W3 − Pristionchus pacificus
F0Y4V1 − Aureococcus anophagefferens
E2BTD9 − Harpegnathos saltator
0.99
0.94
0.94
0.75
0.65
0.47
0
0.84
0.16
0.99
0.86
0.77

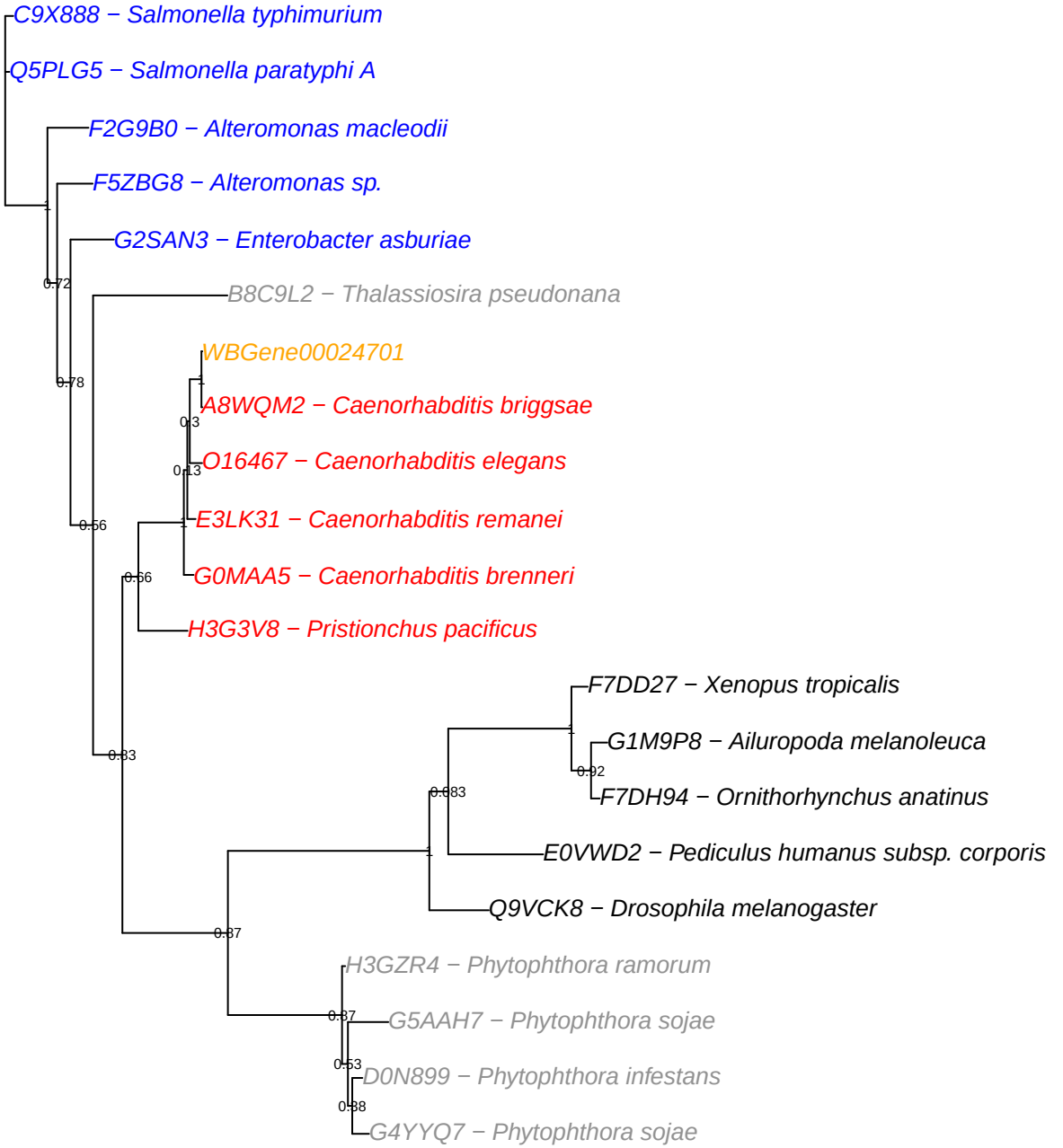

Q8BJL9 − Mus musculus
P17717 − Mus musculus
P36511 − Rattus norvegicus
O62271 − Caenorhabditis elegans
E3LH79 − Caenorhabditis remanei
G0PDD8 − Caenorhabditis brenneri
G0NR66 − Caenorhabditis brenneri
WBGene00025751
A8WTK6 − Caenorhabditis briggsae
H3HDZ4 − Phytophthora ramorum
D0LYR8 − Haliangium ochraceum
A8IUQ1 − Chlamydomonas reinhardtii
G2LLC7 − Chloracidobacterium thermophilum
Q098G8 − Stigmatella aurantiaca
F8CCS6 − Myxococcus fulvus
Q1DFS0 − Myxococcus xanthus
B3RL15 − Trichoplax adhaerens
B3RX41 − Trichoplax adhaerens
A0CI83 − Paramecium tetraurelia
A0D6K6 − Paramecium tetraurelia
A0EB14 − Paramecium tetraurelia
A0BPZ8 − Paramecium tetraurelia
0.65
0.88
0.96
0.96
0.81
0
0
1
0.97
0.98
0.88
0.96
0.88
0.99
0.16

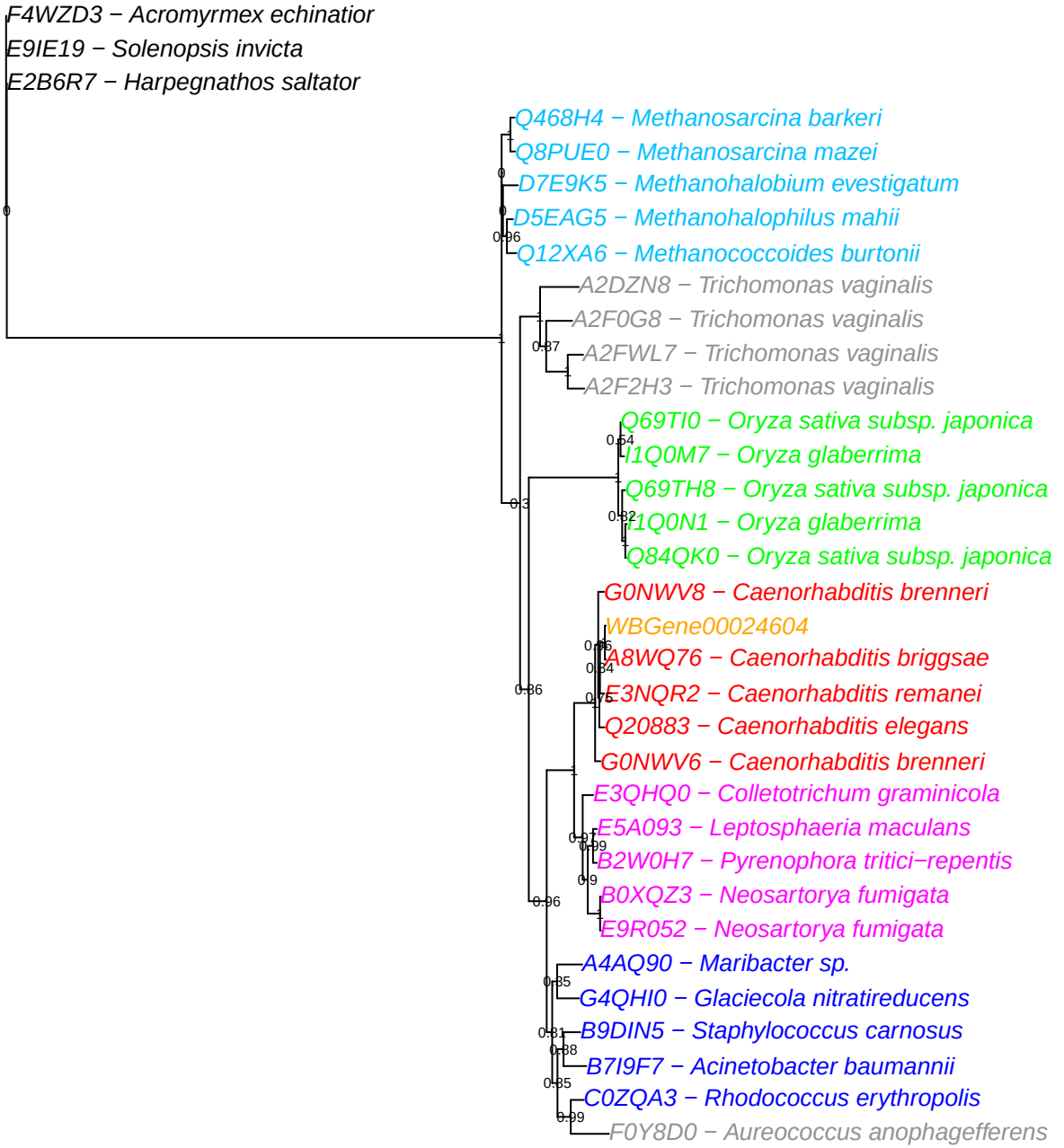

H2QL34 − Pan troglodytes
F6TKY7 − Equus caballus
F1QIC0 − Danio rerio
A9JT04 − Danio rerio
F4X6L3 − Acromyrmex echinatior
A3CSN5 − Methanoculleus marisnigri
Q469V0 − Methanosarcina barkeri
F6D3Q0 − Methanobacterium sp.
F7XL40 − Methanosalsum zhilinae
D7EA39 − Methanohalobium evestigatum
D5UCH4 − Cellulomonas flavigena
C7LZV4 − Acidimicrobium ferrooxidans
Q3AH35 − Synechococcus sp.
B7S487 − Phaeodactylum tricornutum
D7G5F6 − Ectocarpus siliculosus
C1F337 − Acidobacterium capsulatum
Q1IPV3 − Koribacter versatilis
G4ZT06 − Phytophthora sojae
H3G8J7 − Phytophthora ramorum
Q10CX6 − Oryza sativa subsp. japonica
Q9XEA8 − Oryza sativa subsp. japonica
I1PFG7 − Oryza glaberrima
Q9XEA6 − Oryza sativa subsp. japonica
D8TSY0 − Volvox carteri
WBGene00025115
A8WRN7 − Caenorhabditis briggsae
H2WBH3 − Caenorhabditis japonica
G0MHX9 − Caenorhabditis brenneri
Q93244 − Caenorhabditis elegans
E3MMR1 − Caenorhabditis remanei
D2VTF3 − Naegleria gruberi

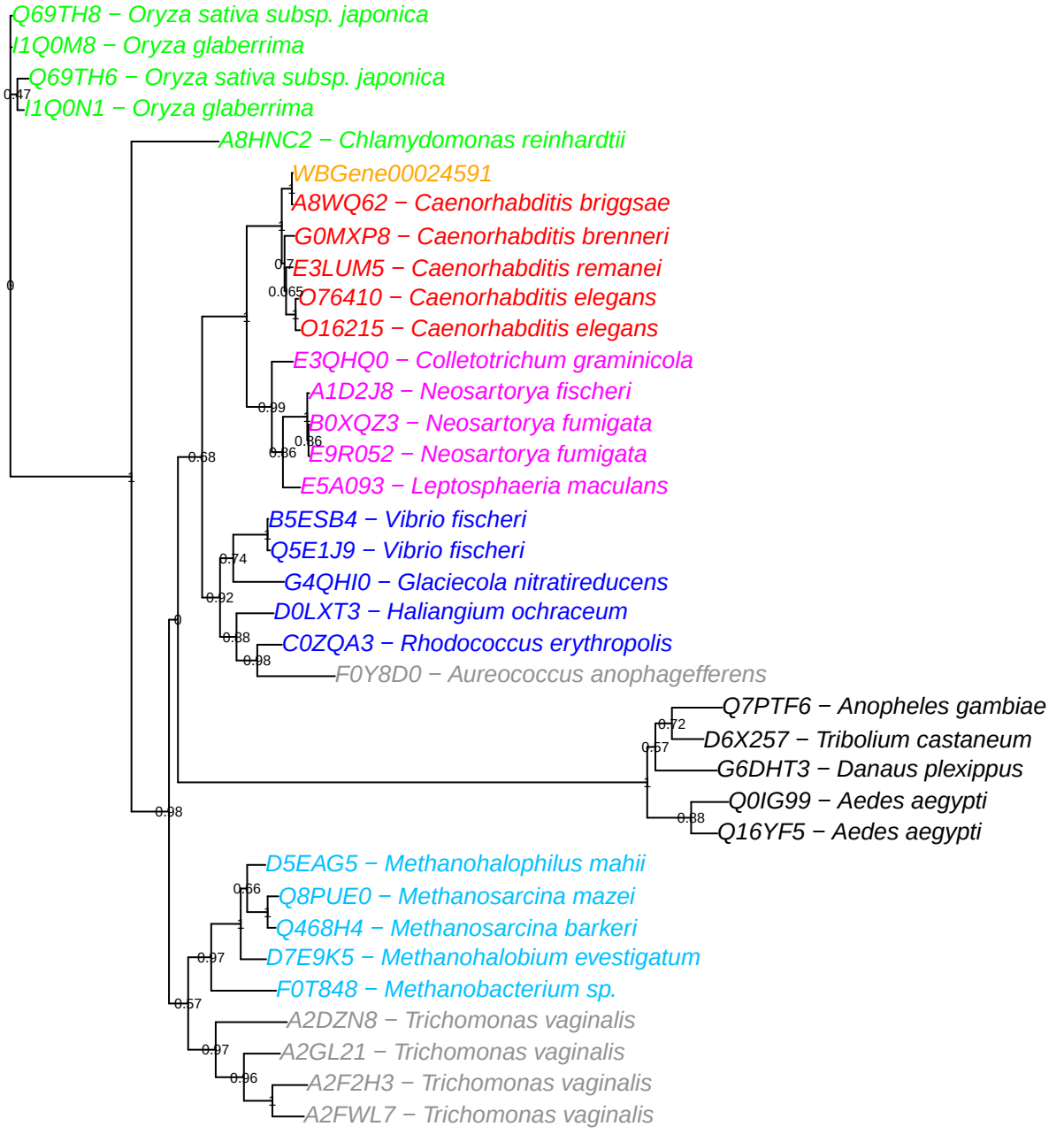

WBGene00025041
A8WRG3 − Caenorhabditis briggsae
E3MML0 − Caenorhabditis remanei
G0MIE1 − Caenorhabditis brenneri
Q7YZT6 − Caenorhabditis elegans
H2W039 − Caenorhabditis japonica
E6VYS5 − Desulfovibrio aespoeensis
Q30ZN9 − Desulfovibrio alaskensis
E8RE18 − Desulfobulbus propionicus
Q2LX88 − Syntrophus aciditrophicus
Q39ZW0 − Pelobacter carbinolicus
E9FX30 − Daphnia pulex
E9GKQ2 − Daphnia pulex
E2ANA9 − Camponotus floridanus
F4WQ53 − Acromyrmex echinatior
D2A2U8 − Tribolium castaneum
F2L5F5 − Thermoproteus uzoniensis
B1YB94 − Pyrobaculum neutrophilum
A1RU70 − Pyrobaculum islandicum
D2REU5 − Archaeoglobus profundus
D9Q1L4 − Acidilobus saccharovorans
B6HIC9 − Penicillium chrysogenum
Q54K57 − Dictyostelium discoideum
F0ZS42 − Dictyostelium purpureum
D3B4K1 − Polysphondylium pallidum
F4PIF2 − Dictyostelium fasciculatum
A4RR08 − Ostreococcus lucimarinus
C1FDC7 − Micromonas sp.
Q9FZ57 − Arabidopsis thaliana
D7KEK8 − Arabidopsis lyrata subsp. lyrata
B9S8H7 − Ricinus communis
H3G924 − Phytophthora ramorum
G0V888 − Naumovozyma castellii
G3B866 − Candida tenuis
C4XXR9 − Clavispora lusitaniae
G3AHD4 − Spathaspora passalidarum
0.95
0.93
0.73
0.998
0.84
0.66
0.7
0.56
0.91
0.98
0.83
0.67
0.92
0.57
0.52
0.97

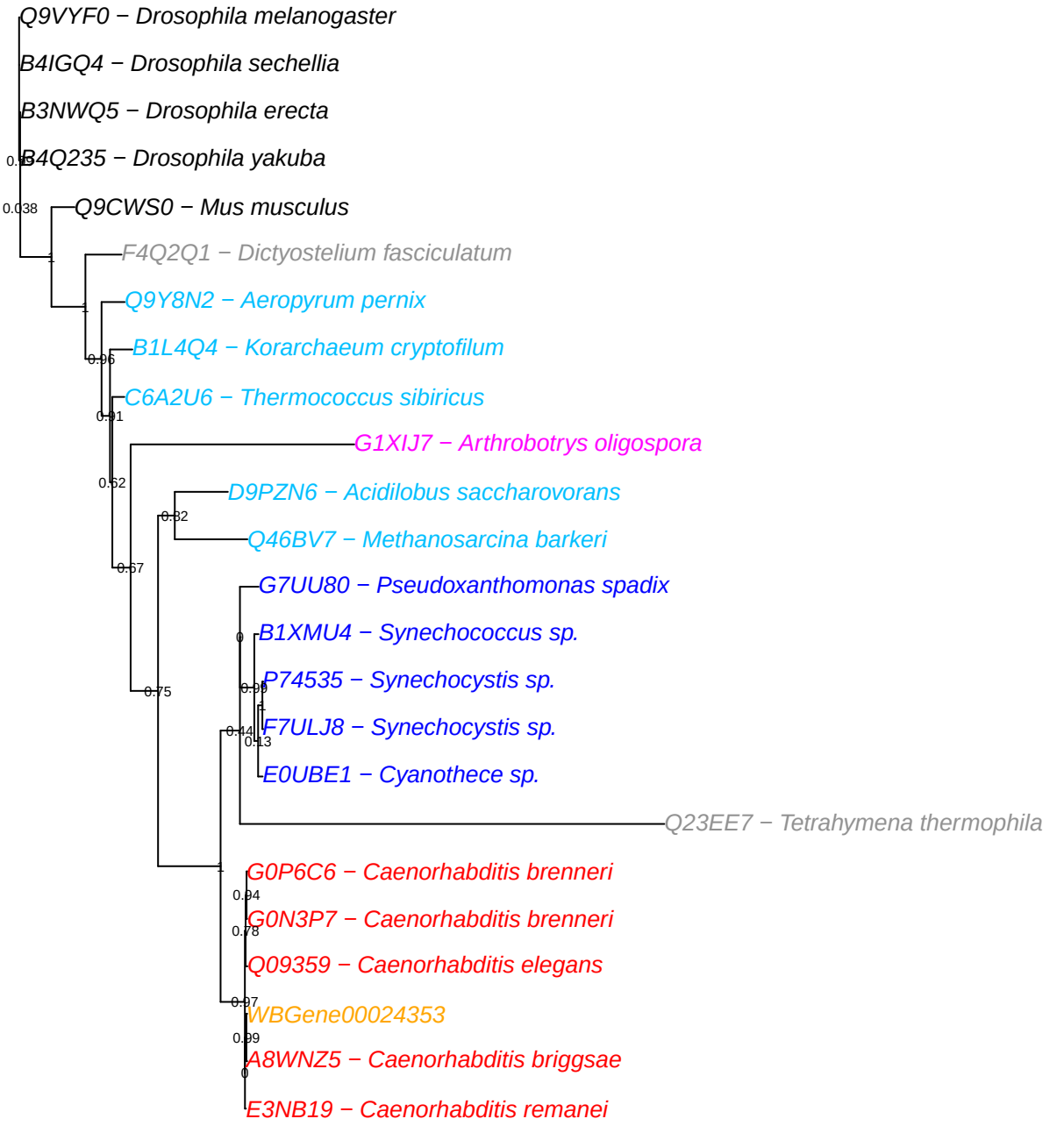

WBGene00024976
A8WQT9 − Caenorhabditis briggsae
E3NMH2 − Caenorhabditis remanei
E3M695 − Caenorhabditis remanei
G0NTF9 − Caenorhabditis brenneri
G0P8R6 − Caenorhabditis brenneri
C1N703 − Micromonas pusilla
C1EF62 − Micromonas sp.
D7FSC6 − Ectocarpus siliculosus
F4PBR2 − Batrachochytrium dendrobatidis
G8B5R3 − Candida parapsilosis
Q0CAS3 − Aspergillus terreus
G0R957 − Hypocrea jecorina
F7W965 − Sordaria macrospora
H3G9L1 − Phytophthora ramorum
D0ND01 − Phytophthora infestans
G5A275 − Phytophthora sojae
I1MBB6 − Glycine max
Q84X83 − Glycine max
Q9FXK9 − Glycine max
D7G6D1 − Ectocarpus siliculosus
D7E3I4 − Nostoc azollae
B2IW53 − Nostoc punctiforme
H2UEK7 − Takifugu rubripes
B1WTM1 − Cyanothece sp.
O07872 − Synechococcus sp.
Q10W96 − Trichodesmium erythraeum

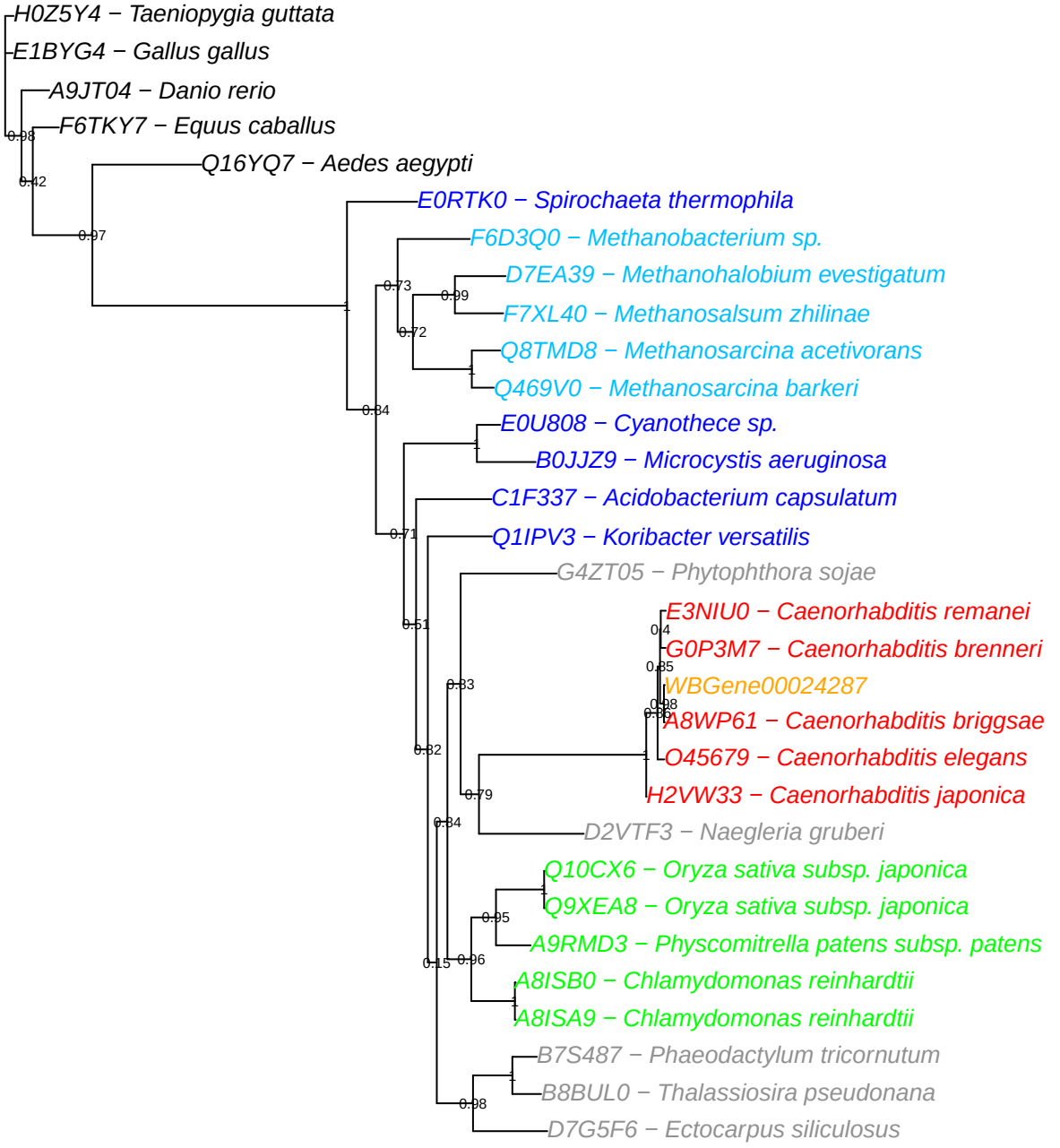

Q46EW4 − Methanosarcina barkeri
Q8PY44 − Methanosarcina mazei
Q8TI34 − Methanosarcina acetivorans
Q12TZ2 − Methanococcoides burtonii
H9KG18 − Apis mellifera
D1YXM5 − Methanocella paludicola
Q6CPW2 − Kluyveromyces lactis
G8ZNX4 − Torulaspora delbrueckii
H2AZ23 − Kazachstania africana
G8BRH9 − Tetrapisispora phaffii
G0WBN1 − Naumovozyma dairenensis
D2A5R7 − Tribolium castaneum
E2C4Q7 − Harpegnathos saltator
E2APV1 − Camponotus floridanus
H9KJL2 − Apis mellifera
G0NTG3 − Caenorhabditis brenneri
Q9U1Y0 − Caenorhabditis elegans
E3M690 − Caenorhabditis remanei
H2VX09 − Caenorhabditis japonica
WBGene00024971
A8WQU4 − Caenorhabditis briggsae
E3GB96 − Enterobacter lignolyticus
B2IFZ9 − Beijerinckia indica subsp. indica
E8TBX7 − Mesorhizobium ciceri bv. biserrulae
H8L397 − Frateuria aurantia
Q3J9D2 − Nitrosococcus oceani
0.73
0.32
0.95
0.97
0.82
0.56
0.75
0.613
0.86
0.96
0.54
0.87
0.93
0.76
0.81
0.99
0.51
0.004
0.94
0.95
0.84
0.81
0.28

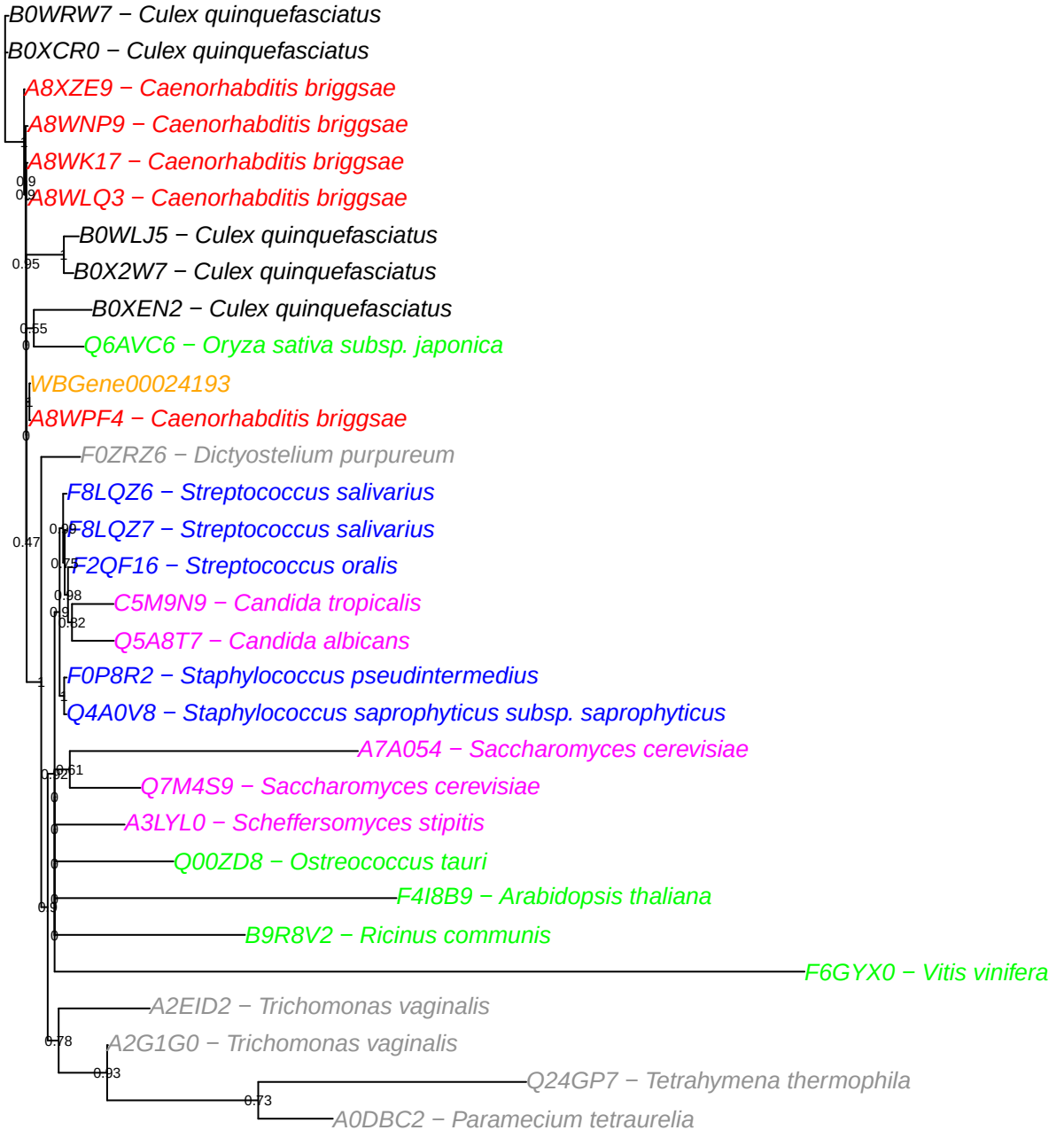

C9X888 − Salmonella typhimurium
Q5PLG5 − Salmonella paratyphi A
F2G9B0 − Alteromonas macleodii
F5ZBG8 − Alteromonas sp.
G2SAN3 − Enterobacter asburiae
B8C9L2 − Thalassiosira pseudonana
WBGene00024701
A8WQM2 − Caenorhabditis briggsae
O16467 − Caenorhabditis elegans
E3LK31 − Caenorhabditis remanei
G0MAA5 − Caenorhabditis brenneri
H3G3V8 − Pristionchus pacificus
F7DD27 − Xenopus tropicalis
G1M9P8 − Ailuropoda melanoleuca
F7DH94 − Ornithorhynchus anatinus
E0VWD2 − Pediculus humanus subsp. corporis
Q9VCK8 − Drosophila melanogaster
H3GZR4 − Phytophthora ramorum
G5AAH7 − Phytophthora sojae
D0N899 − Phytophthora infestans
G4YYQ7 − Phytophthora sojae
1
0.72
0.78
0.3
0.13
1
0.56
0.66
0.83
1
0.92
0.083
1
0.87
0.87
0.53
0.38

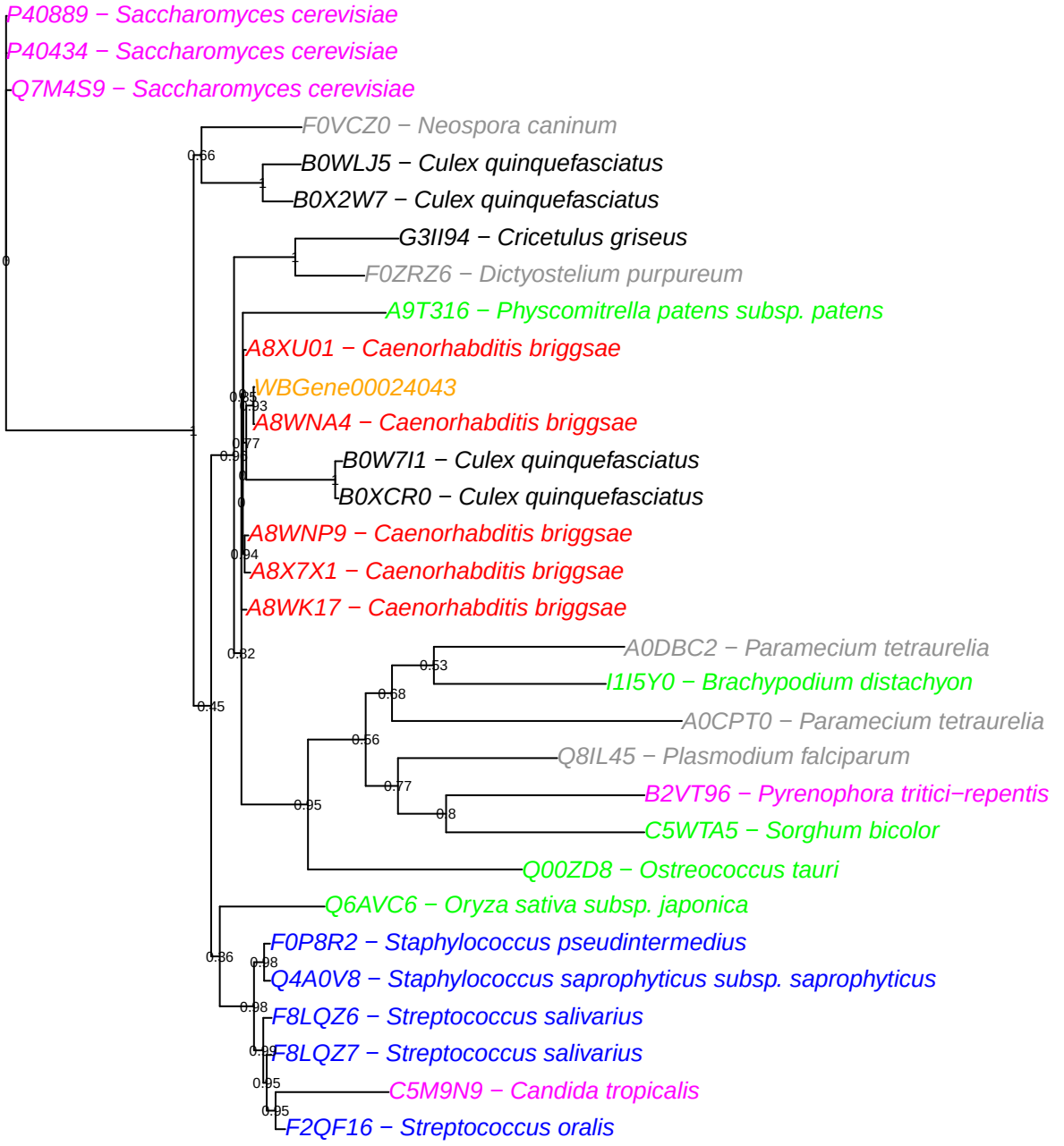

F4WZD3 − Acromyrmex echinatior
E9IE19 − Solenopsis invicta
E2B6R7 − Harpegnathos saltator
Q468H4 − Methanosarcina barkeri
Q8PUE0 − Methanosarcina mazei
D7E9K5 − Methanohalobium evestigatum
D5EAG5 − Methanohalophilus mahii
Q12XA6 − Methanococcoides burtonii
A2DZN8 − Trichomonas vaginalis
A2F0G8 − Trichomonas vaginalis
A2FWL7 − Trichomonas vaginalis
A2F2H3 − Trichomonas vaginalis
Q69TI0 − Oryza sativa subsp. japonica
I1Q0M7 − Oryza glaberrima
Q69TH8 − Oryza sativa subsp. japonica
I1Q0N1 − Oryza glaberrima
Q84QK0 − Oryza sativa subsp. japonica
G0NWV8 − Caenorhabditis brenneri
WBGene00024604
A8WQ76 − Caenorhabditis briggsae
E3NQR2 − Caenorhabditis remanei
Q20883 − Caenorhabditis elegans
G0NWV6 − Caenorhabditis brenneri
E3QHQ0 − Colletotrichum graminicola
E5A093 − Leptosphaeria maculans
B2W0H7 − Pyrenophora tritici−repentis
B0XQZ3 − Neosartorya fumigata
E9R052 − Neosartorya fumigata
A4AQ90 − Maribacter sp.
G4QHI0 − Glaciecola nitratireducens
B9DIN5 − Staphylococcus carnosus
B7I9F7 − Acinetobacter baumannii
C0ZQA3 − Rhodococcus erythropolis
F0Y8D0 − Aureococcus anophagefferens


Q69TH8 − Oryza sativa subsp. japonica
I1Q0M8 − Oryza glaberrima
Q69TH6 − Oryza sativa subsp. japonica
I1Q0N1 − Oryza glaberrima
A8HNC2 − Chlamydomonas reinhardtii
WBGene00024591
A8WQ62 − Caenorhabditis briggsae
G0MXP8 − Caenorhabditis brenneri
E3LUM5 − Caenorhabditis remanei
O76410 − Caenorhabditis elegans
O16215 − Caenorhabditis elegans
E3QHQ0 − Colletotrichum graminicola
A1D2J8 − Neosartorya fischeri
B0XQZ3 − Neosartorya fumigata
E9R052 − Neosartorya fumigata
E5A093 − Leptosphaeria maculans
B5ESB4 − Vibrio fischeri
Q5E1J9 − Vibrio fischeri
G4QHI0 − Glaciecola nitratireducens
D0LXT3 − Haliangium ochraceum
C0ZQA3 − Rhodococcus erythropolis
F0Y8D0 − Aureococcus anophagefferens
Q7PTF6 − Anopheles gambiae
D6X257 − Tribolium castaneum
G6DHT3 − Danaus plexippus
Q0IG99 − Aedes aegypti
Q16YF5 − Aedes aegypti
D5EAG5 − Methanohalophilus mahii
Q8PUE0 − Methanosarcina mazei
Q468H4 − Methanosarcina barkeri
D7E9K5 − Methanohalobium evestigatum
F0T848 − Methanobacterium sp.
A2DZN8 − Trichomonas vaginalis
A2GL21 − Trichomonas vaginalis
A2F2H3 − Trichomonas vaginalis
A2FWL7 − Trichomonas vaginalis
0.47
0
0.7
0.065
0.99
0.96
0.86
0.68
0.74
0.92
0.88
0.98
0
0.72
0.57
0.88
0.98
0.56
0.97
0.57
0.97
0.96


Q9VYF0 − Drosophila melanogaster
B4IGQ4 − Drosophila sechellia
B3NWQ5 − Drosophila erecta
B4Q235 − Drosophila yakuba
0.038
Q9CWS0 − Mus musculus
F4Q2Q1 − Dictyostelium fasciculatum
Q9Y8N2 − Aeropyrum pernix
B1L4Q4 − Korarchaeum cryptofilum
0.96
C6A2U6 − Thermococcus sibiricus
0.91
G1XIJ7 − Arthrobotrys oligospora
0.62
D9PZN6 − Acidilobus saccharovorans
0.82
Q46BV7 − Methanosarcina barkeri
0.67
G7UU80 − Pseudoxanthomonas spadix
B1XMU4 − Synechococcus sp.
P74535 − Synechocystis sp.
0.99
F7ULJ8 − Synechocystis sp.
0.75
0.44
0.13
E0UBE1 − Cyanothece sp.
Q23EE7 − Tetrahymena thermophila
G0P6C6 − Caenorhabditis brenneri
0.94
G0N3P7 − Caenorhabditis brenneri
0.78
Q09359 − Caenorhabditis elegans
0.97
WBGene00024353
0.99
A8WNZ5 − Caenorhabditis briggsae
E3NB19 − Caenorhabditis remanei


H0Z5Y4 − Taeniopygia guttata
E1BYG4 − Gallus gallus
A9JT04 − Danio rerio
F6TKY7 − Equus caballus
Q16YQ7 − Aedes aegypti
E0RTK0 − Spirochaeta thermophila
F6D3Q0 − Methanobacterium sp.
D7EA39 − Methanohalobium evestigatum
F7XL40 − Methanosalsum zhilinae
Q8TMD8 − Methanosarcina acetivorans
Q469V0 − Methanosarcina barkeri
E0U808 − Cyanothece sp.
B0JJZ9 − Microcystis aeruginosa
C1F337 − Acidobacterium capsulatum
Q1IPV3 − Koribacter versatilis
G4ZT05 − Phytophthora sojae
E3NIU0 − Caenorhabditis remanei
G0P3M7 − Caenorhabditis brenneri
WBGene00024287
A8WP61 − Caenorhabditis briggsae
O45679 − Caenorhabditis elegans
H2VW33 − Caenorhabditis japonica
D2VTF3 − Naegleria gruberi
Q10CX6 − Oryza sativa subsp. japonica
Q9XEA8 − Oryza sativa subsp. japonica
A9RMD3 − Physcomitrella patens subsp. patens
A8ISB0 − Chlamydomonas reinhardtii
A8ISA9 − Chlamydomonas reinhardtii
B7S487 − Phaeodactylum tricornutum
B8BUL0 − Thalassiosira pseudonana
D7G5F6 − Ectocarpus siliculosus


B0WRW7 − Culex quinquefasciatus
B0XCR0 − Culex quinquefasciatus
A8XZE9 − Caenorhabditis briggsae
A8WNP9 − Caenorhabditis briggsae
A8WK17 − Caenorhabditis briggsae
A8WLQ3 − Caenorhabditis briggsae
B0WLJ5 − Culex quinquefasciatus
B0X2W7 − Culex quinquefasciatus
B0XEN2 − Culex quinquefasciatus
Q6AVC6 − Oryza sativa subsp. japonica
WBGene00024193
A8WPF4 − Caenorhabditis briggsae
F0ZRZ6 − Dictyostelium purpureum
F8LQZ6 − Streptococcus salivarius
F8LQZ7 − Streptococcus salivarius
F2QF16 − Streptococcus oralis
C5M9N9 − Candida tropicalis
Q5A8T7 − Candida albicans
F0P8R2 − Staphylococcus pseudintermedius
Q4A0V8 − Staphylococcus saprophyticus subsp. saprophyticus
A7A054 − Saccharomyces cerevisiae
Q7M4S9 − Saccharomyces cerevisiae
A3LYL0 − Scheffersomyces stipitis
Q00ZD8 − Ostreococcus tauri
F4I8B9 − Arabidopsis thaliana
B9R8V2 − Ricinus communis
F6GYX0 − Vitis vinifera
A2EID2 − Trichomonas vaginalis
A2G1G0 − Trichomonas vaginalis
Q24GP7 − Tetrahymena thermophila
A0DBC2 − Paramecium tetraurelia
0.9
0.95
0.55
0.47
0.98
0.82
0.61
0.78
0.93
0.73


P40889 − Saccharomyces cerevisiae
P40434 − Saccharomyces cerevisiae
Q7M4S9 − Saccharomyces cerevisiae
F0VCZ0 − Neospora caninum
B0WLJ5 − Culex quinquefasciatus
B0X2W7 − Culex quinquefasciatus
G3II94 − Cricetulus griseus
F0ZRZ6 − Dictyostelium purpureum
A9T316 − Physcomitrella patens subsp. patens
A8XU01 − Caenorhabditis briggsae
WBGene00024043
A8WNA4 − Caenorhabditis briggsae
B0W7I1 − Culex quinquefasciatus
B0XCR0 − Culex quinquefasciatus
A8WNP9 − Caenorhabditis briggsae
A8X7X1 − Caenorhabditis briggsae
A8WK17 − Caenorhabditis briggsae
A0DBC2 − Paramecium tetraurelia
I1I5Y0 − Brachypodium distachyon
A0CPT0 − Paramecium tetraurelia
Q8IL45 − Plasmodium falciparum
B2VT96 − Pyrenophora tritici−repentis
C5WTA5 − Sorghum bicolor
Q00ZD8 − Ostreococcus tauri
Q6AVC6 − Oryza sativa subsp. japonica
F0P8R2 − Staphylococcus pseudintermedius
Q4A0V8 − Staphylococcus saprophyticus subsp. saprophyticus
F8LQZ6 − Streptococcus salivarius
F8LQZ7 − Streptococcus salivarius
C5M9N9 − Candida tropicalis
F2QF16 − Streptococcus oralis