Colour coding:

protein under analysis

protein from own phylum

protein from metazoans

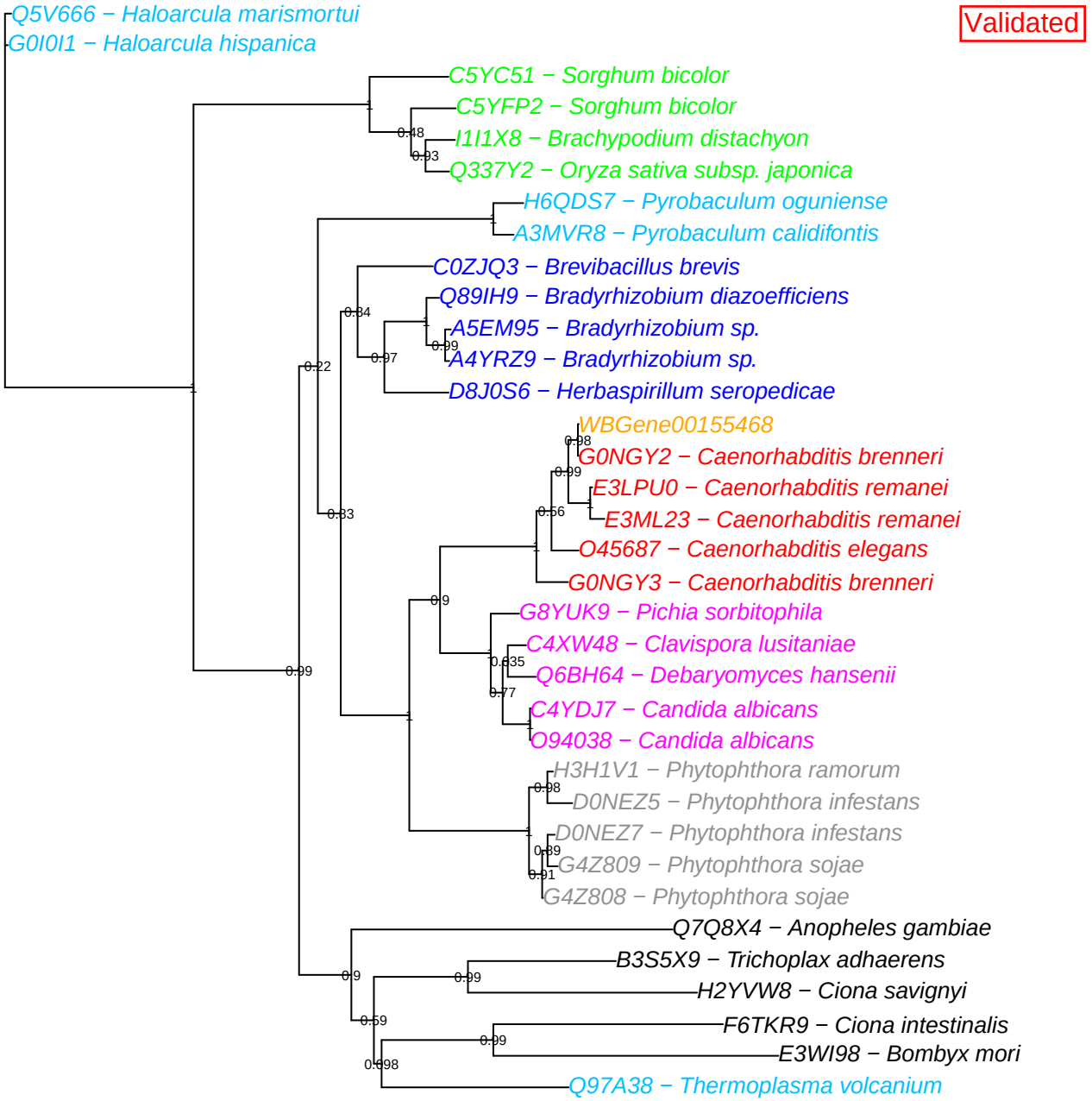
protein from fungi

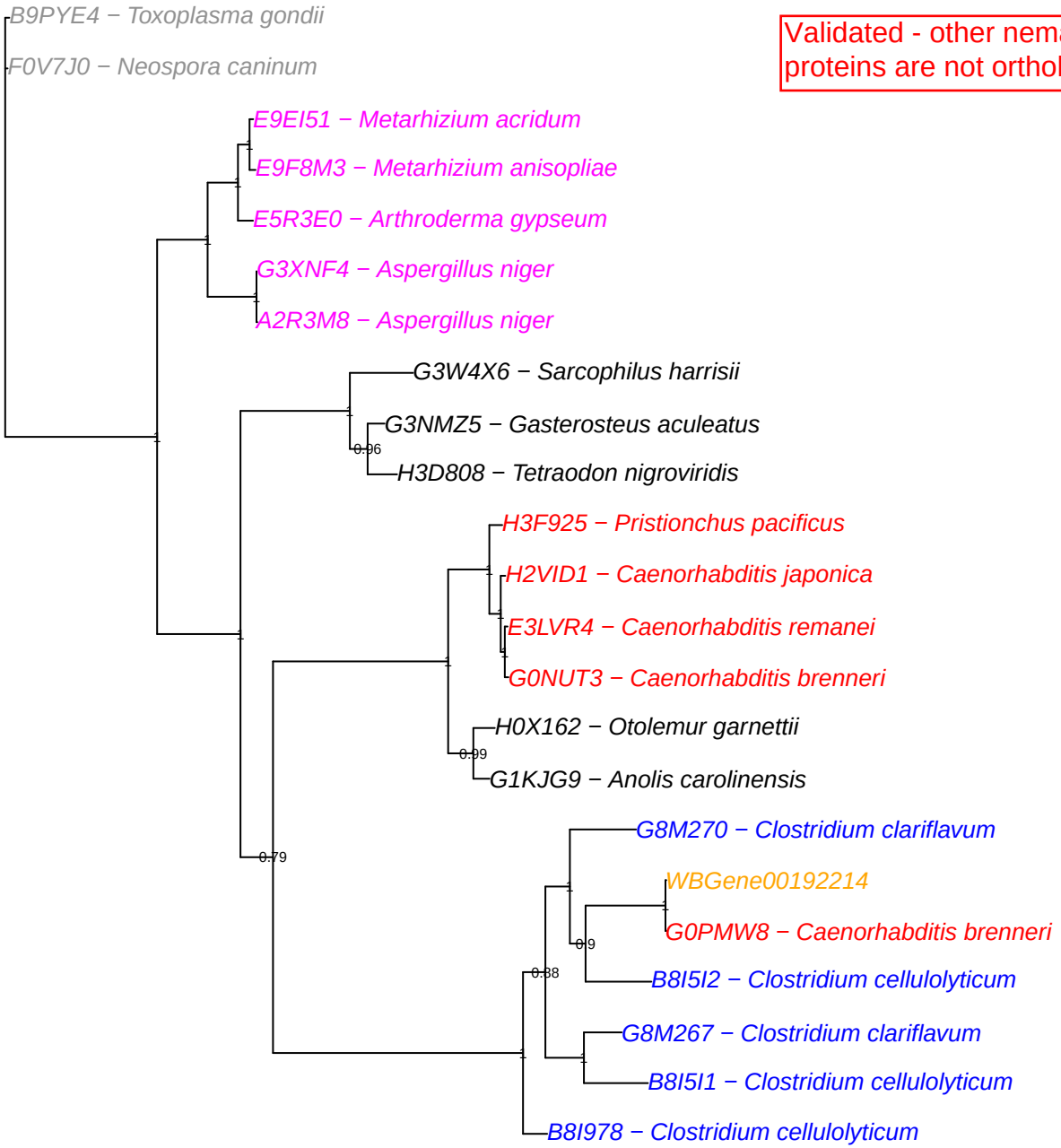
protein from plants

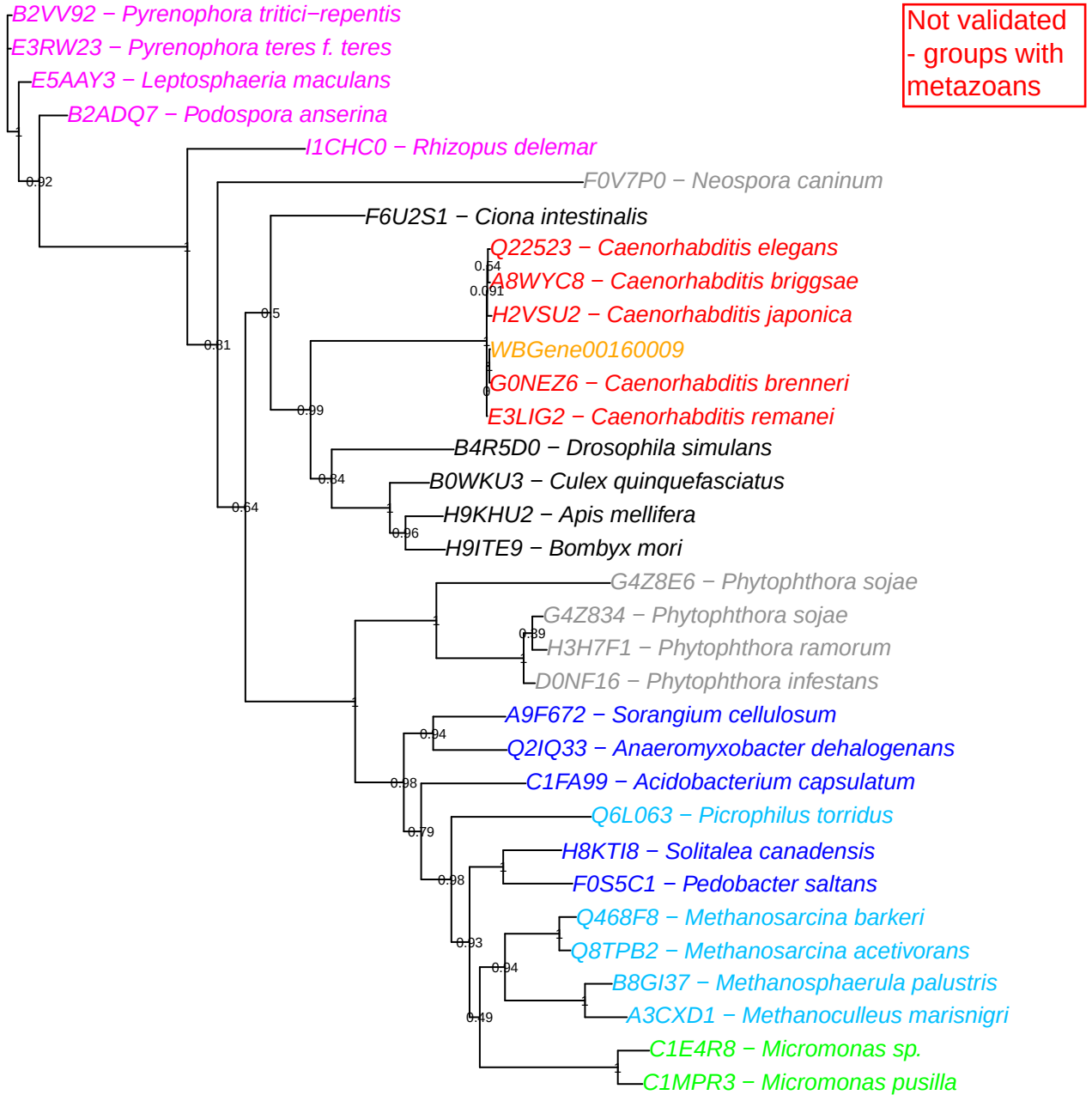
protein from protists

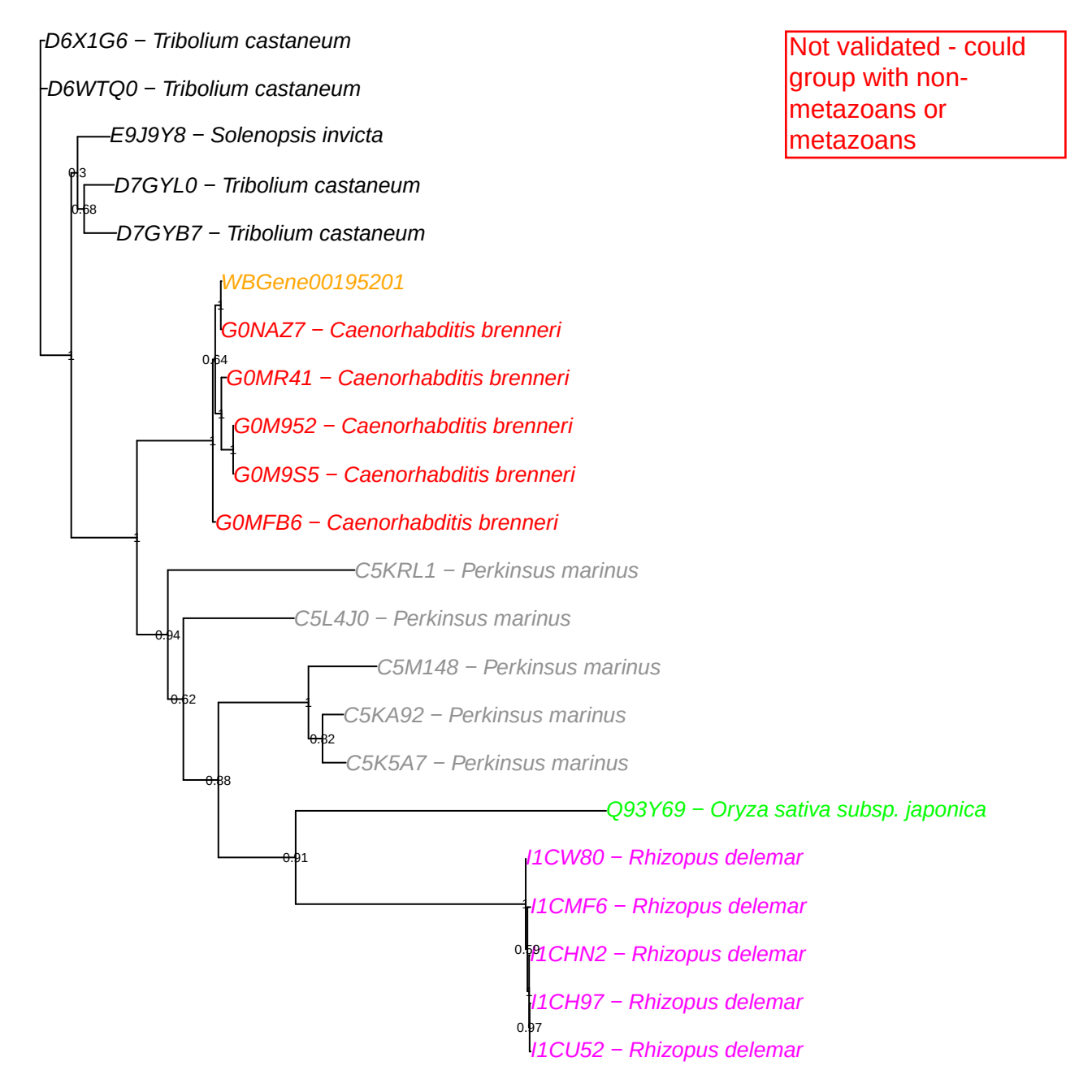
protein from archaea

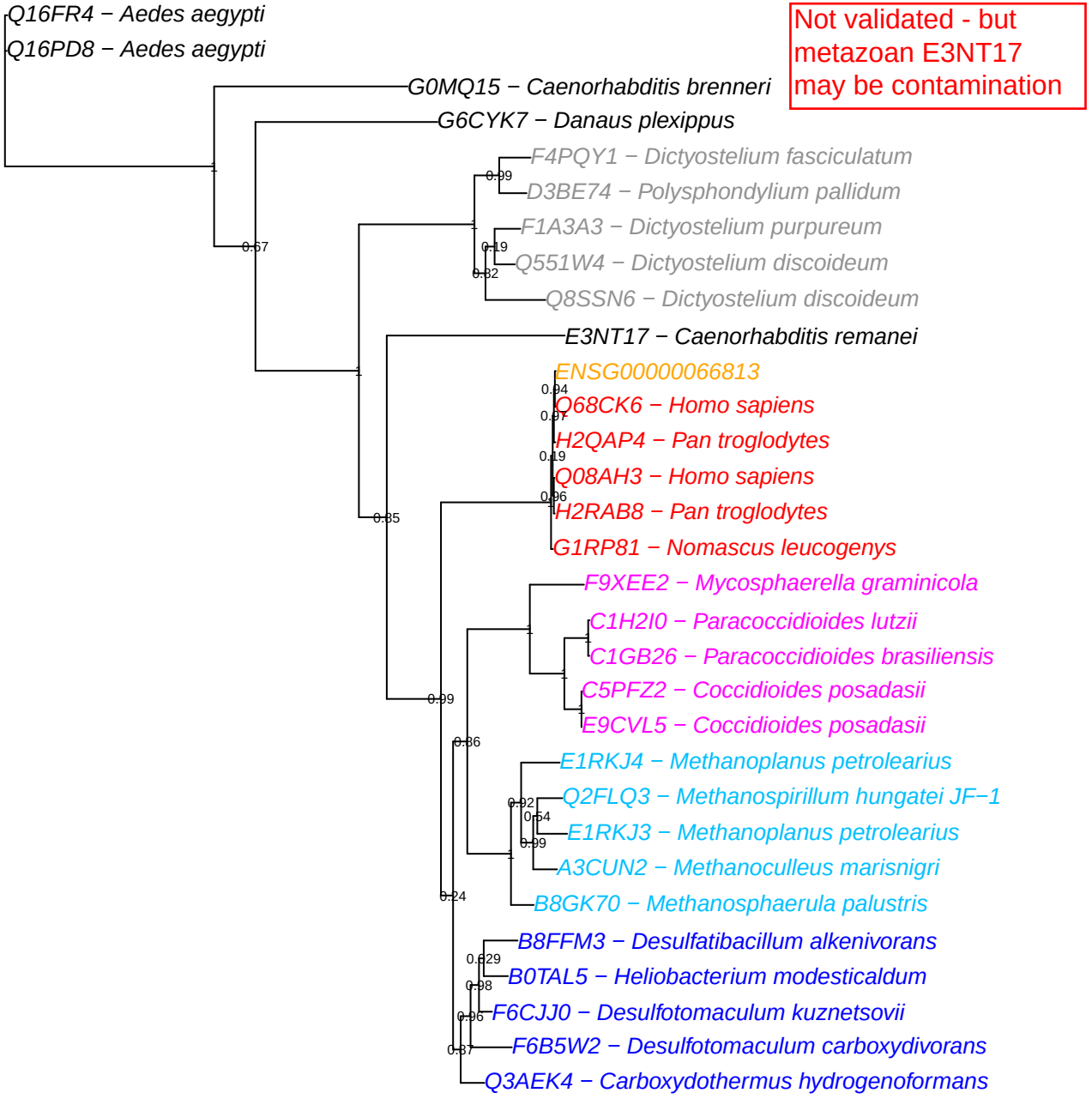
protein from bacteria

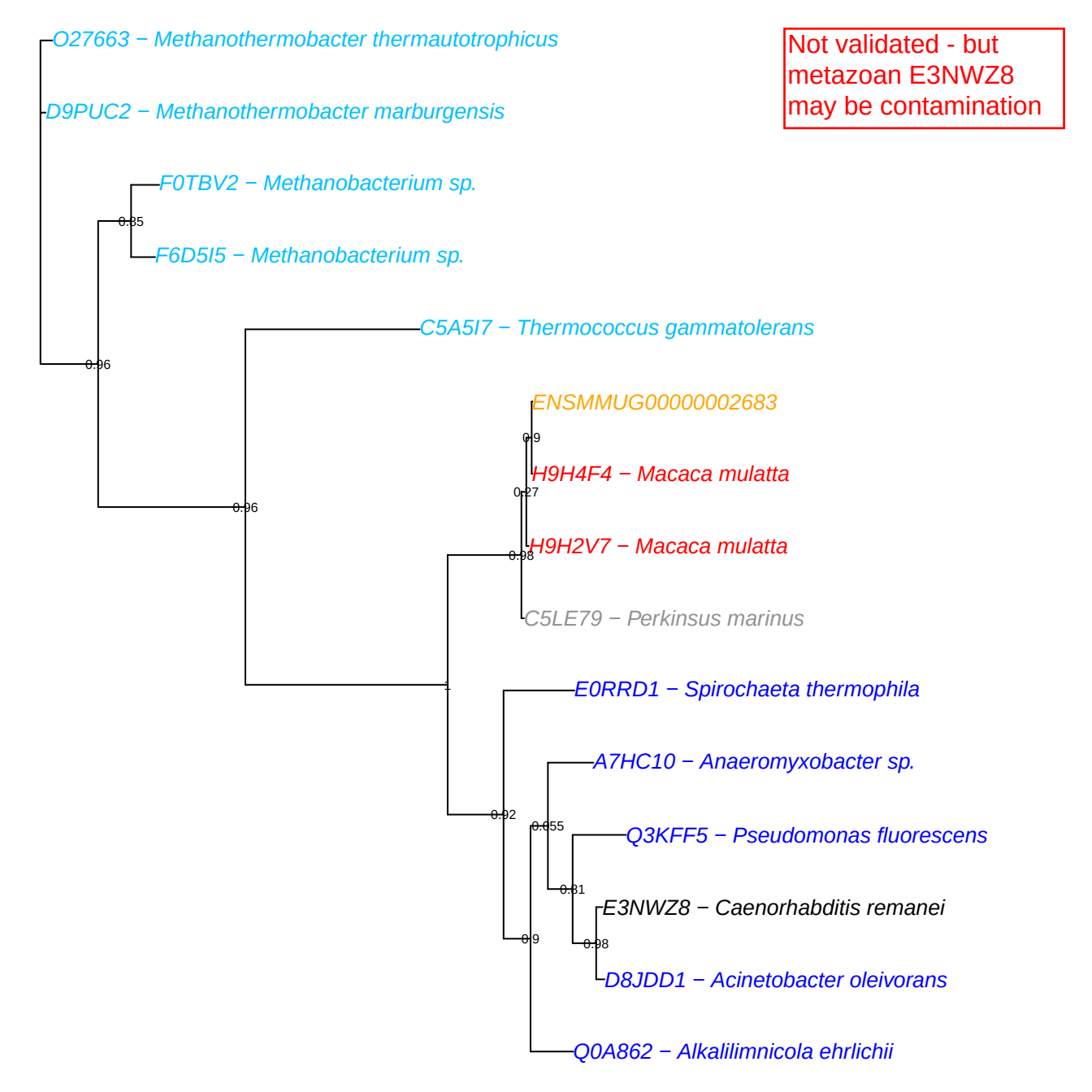

Validated
Q5V666 − Haloarcula marismortui
G0I0I1 − Haloarcula hispanica
C5YC51 − Sorghum bicolor
C5YFP2 − Sorghum bicolor
I1I1X8 − Brachypodium distachyon
Q337Y2 − Oryza sativa subsp. japonica
H6QDS7 − Pyrobaculum oguniense
A3MVR8 − Pyrobaculum calidifontis
C0ZJQ3 − Brevibacillus brevis
Q89IH9 − Bradyrhizobium diazoefficiens
A5EM95 − Bradyrhizobium sp.
A4YRZ9 − Bradyrhizobium sp.
D8J0S6 − Herbaspirillum seropedicae
WBGene00155468
G0NGY2 − Caenorhabditis brenneri
E3LPU0 − Caenorhabditis remanei
E3ML23 − Caenorhabditis remanei
O45687 − Caenorhabditis elegans
G0NGY3 − Caenorhabditis brenneri
G8YUK9 − Pichia sorbitophila
C4XW48 − Clavispora lusitaniae
Q6BH64 − Debaryomyces hansenii
C4YDJ7 − Candida albicans
O94038 − Candida albicans
H3H1V1 − Phytophthora ramorum
D0NEZ5 − Phytophthora infestans
D0NEZ7 − Phytophthora infestans
G4Z809 − Phytophthora sojae
G4Z808 − Phytophthora sojae
Q7Q8X4 − Anopheles gambiae
B3S5X9 − Trichoplax adhaerens
H2YVW8 − Ciona savignyi
F6TKR9 − Ciona intestinalis
E3WI98 − Bombyx mori
Q97A38 − Thermoplasma volcanium
1
0.48
0.93
1
0.84
1
0.99
0.97
0.22
1
0.99
0.83
0.98
0.99
1
0.56
1
0.9
1
0.835
0.77
1
1
0.98
0.89
0.91
0.9
0.99
0.59
0.99
0.698


B9PYE4 − Toxoplasma gondii
F0V7J0 − Neospora caninum
Validated - other nematode proteins are not orthologs
E9EI51 − Metarhizium acridum
E9F8M3 − Metarhizium anisopliae
E5R3E0 − Arthroderma gypseum
G3XNF4 − Aspergillus niger
A2R3M8 − Aspergillus niger
G3W4X6 − Sarcophilus harrisii
G3NMZ5 − Gasterosteus aculeatus
0.96
H3D808 − Tetraodon nigroviridis
H3F925 − Pristionchus pacificus
H2VID1 − Caenorhabditis japonica
E3LVR4 − Caenorhabditis remanei
G0NUT3 − Caenorhabditis brenneri
H0X162 − Otolemur garnettii
0.99
G1KJG9 − Anolis carolinensis
G8M270 − Clostridium clariflavum
WBGene00192214
G0PMW8 − Caenorhabditis brenneri
0.79
0.9
0.88
B8I5I2 − Clostridium cellulolyticum
G8M267 − Clostridium clariflavum
B8I5I1 − Clostridium cellulolyticum
B8I978 − Clostridium cellulolyticum


Not validated - groups with metazoans
B2VV92 − Pyrenophora tritici−repentis
E3RW23 − Pyrenophora teres f. teres
E5AAY3 − Leptosphaeria maculans
B2ADQ7 − Podospora anserina
I1CHC0 − Rhizopus delemar
F0V7P0 − Neospora caninum
F6U2S1 − Ciona intestinalis
Q22523 − Caenorhabditis elegans
A8WYC8 − Caenorhabditis briggsae
H2VSU2 − Caenorhabditis japonica
WBGene00160009
G0NEZ6 − Caenorhabditis brenneri
E3LIG2 − Caenorhabditis remanei
B4R5D0 − Drosophila simulans
B0WKU3 − Culex quinquefasciatus
H9KHU2 − Apis mellifera
H9ITE9 − Bombyx mori
G4Z8E6 − Phytophthora sojae
G4Z834 − Phytophthora sojae
H3H7F1 − Phytophthora ramorum
D0NF16 − Phytophthora infestans
A9F672 − Sorangium cellulosum
Q2IQ33 − Anaeromyxobacter dehalogenans
C1FA99 − Acidobacterium capsulatum
Q6L063 − Picrophilus torridus
H8KTI8 − Solitalea canadensis
F0S5C1 − Pedobacter saltans
Q468F8 − Methanosarcina barkeri
Q8TPB2 − Methanosarcina acetivorans
B8GI37 − Methanosphaerula palustris
A3CXD1 − Methanoculleus marisnigri
C1E4R8 − Micromonas sp.
C1MPR3 − Micromonas pusilla
0.92
0.64
0.091
0.5
0.31
0.99
0.84
0.64
0.96
0.89
0.94
0.98
0.79
0.98
0.93
0.94
0.49


D6X1G6 − Tribolium castaneum
D6WTQ0 − Tribolium castaneum
E9J9Y8 − Solenopsis invicta
0.3
D7GYL0 − Tribolium castaneum
0.68
D7GYB7 − Tribolium castaneum
WBGene00195201
G0NAZ7 − Caenorhabditis brenneri
0.64
G0MR41 − Caenorhabditis brenneri
G0M952 − Caenorhabditis brenneri
G0M9S5 − Caenorhabditis brenneri
G0MFB6 − Caenorhabditis brenneri
C5KRL1 − Perkinsus marinus
C5L4J0 − Perkinsus marinus
0.94
C5M148 − Perkinsus marinus
0.62
C5KA92 − Perkinsus marinus
0.82
C5K5A7 − Perkinsus marinus
0.88
Q93Y69 − Oryza sativa subsp. japonica
0.91
I1CW80 − Rhizopus delemar
I1CMF6 − Rhizopus delemar
0.59
I1CHN2 − Rhizopus delemar
I1CH97 − Rhizopus delemar
0.97
I1CU52 − Rhizopus delemar
Not validated - could group with non-metazoans or metazoans


Not validated - but metazoan E3NT17 may be contamination
Q16FR4 − Aedes aegypti
Q16PD8 − Aedes aegypti
G0MQ15 − Caenorhabditis brenneri
G6CYK7 − Danaus plexippus
F4PQY1 − Dictyostelium fasciculatum
D3BE74 − Polysphondylium pallidum
F1A3A3 − Dictyostelium purpureum
Q551W4 − Dictyostelium discoideum
Q8SSN6 − Dictyostelium discoideum
E3NT17 − Caenorhabditis remanei
ENSG00000066813
Q68CK6 − Homo sapiens
H2QAP4 − Pan troglodytes
Q08AH3 − Homo sapiens
H2RAB8 − Pan troglodytes
G1RP81 − Nomascus leucogenys
F9XEE2 − Mycosphaerella graminicola
C1H2I0 − Paracoccidioides lutzii
C1GB26 − Paracoccidioides brasiliensis
C5PFZ2 − Coccidioides posadasii
E9CVL5 − Coccidioides posadasii
E1RKJ4 − Methanoplanus petrolearius
Q2FLQ3 − Methanospirillum hungatei JF−1
E1RKJ3 − Methanoplanus petrolearius
A3CUN2 − Methanoculleus marisnigri
B8GK70 − Methanosphaerula palustris
B8FFM3 − Desulfatibacillum alkenivorans
B0TAL5 − Heliobacterium modesticaldum
F6CJJ0 − Desulfotomaculum kuznetsovii
F6B5W2 − Desulfotomaculum carboxydivorans
Q3AEK4 − Carboxydothermus hydrogenoformans
1
0.67
0.99
1
0.19
0.32
1
1
0.94
0.97
0.19
0.96
1
0.85
1
1
1
1
0.99
0.86
0.92
0.54
0.99
1
0.24
0.629
0.98
0.96
0.87


O27663 − Methanothermobacter thermautotrophicus
D9PUC2 − Methanothermobacter marburgensis
F0TBV2 − Methanobacterium sp.
0.85
F6D5I5 − Methanobacterium sp.
C5A5I7 − Thermococcus gammatolerans
0.96
ENSMMUG00000002683
0.9
H9H4F4 − Macaca mulatta
0.27
0.96
H9H2V7 − Macaca mulatta
0.98
C5LE79 − Perkinsus marinus
1
E0RRD1 − Spirochaeta thermophila
A7HC10 − Anaeromyxobacter sp.
0.92
0.055
Q3KFF5 − Pseudomonas fluorescens
0.81
E3NWZ8 − Caenorhabditis remanei
0.9
0.98
D8JDD1 − Acinetobacter oleivorans
Q0A862 − Alkalilimnicola ehrlichii
Not validated - but metazoan E3NWZ8 may be contamination