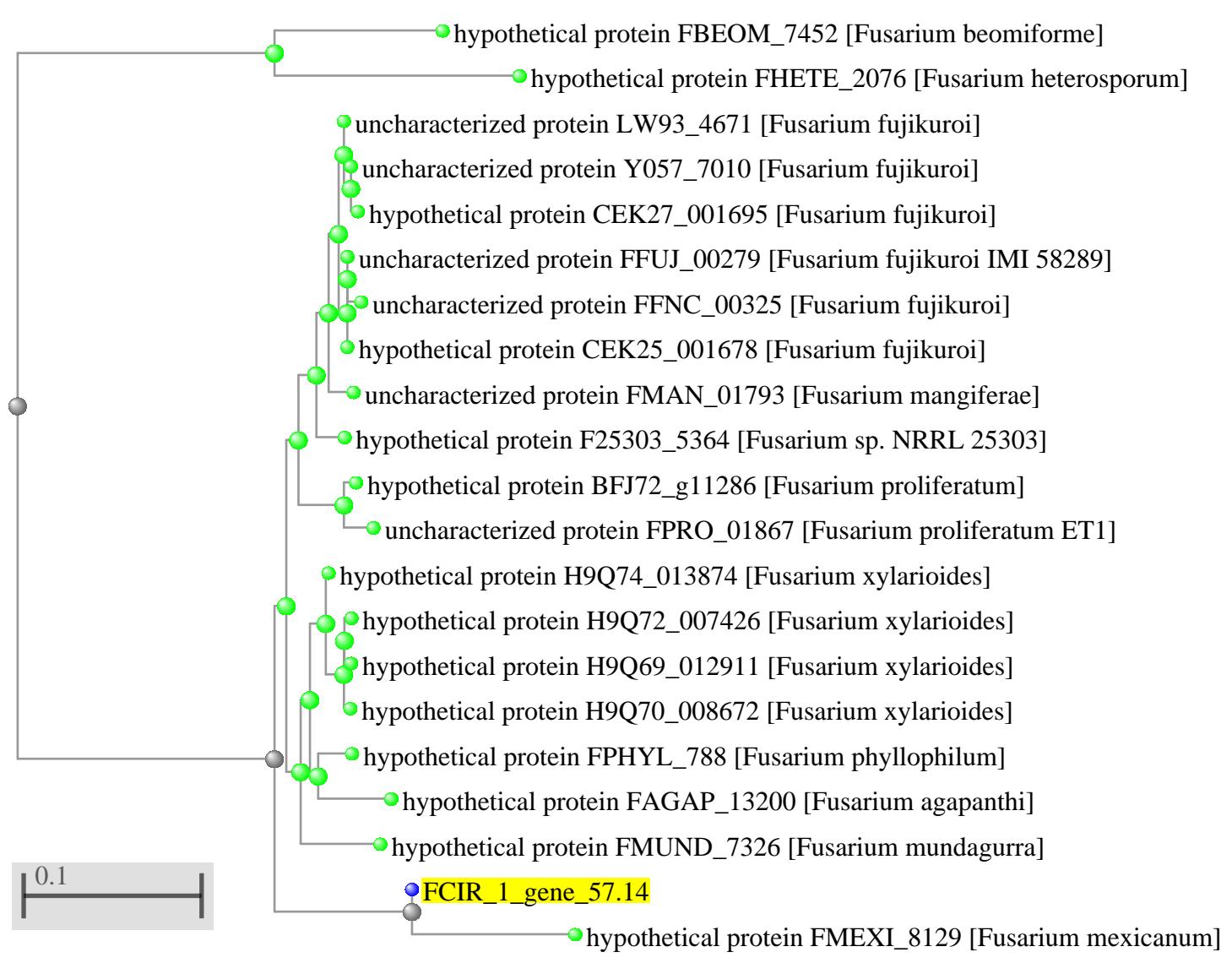


Figure S2. Host-range-associated genes with ancestral origins that emerged within the FFSC. Host-range-associated genes investigated are highlighted in yellow; FCIR = *Fusarium circinatum* and FTEMP= *Fusarium temperatum*.



● hypothetical protein K438DRAFT_1952789 [Mycena galopus ATCC 620...

● uncharacterized protein FPRO_01869 [Fusarium proliferatum ET1]

● uncharacterized protein FFUJ_00277 [Fusarium fujikuroi IMI 5...

● uncharacterized protein LW93_4673 [Fusarium fujikuroi]

● uncharacterized protein FMAN_01795 [Fusarium mangiferae]

● hypothetical protein H9Q69_005458 [Fusarium xylarioides]

● hypothetical protein H9Q74_012742 [Fusarium xylarioides]

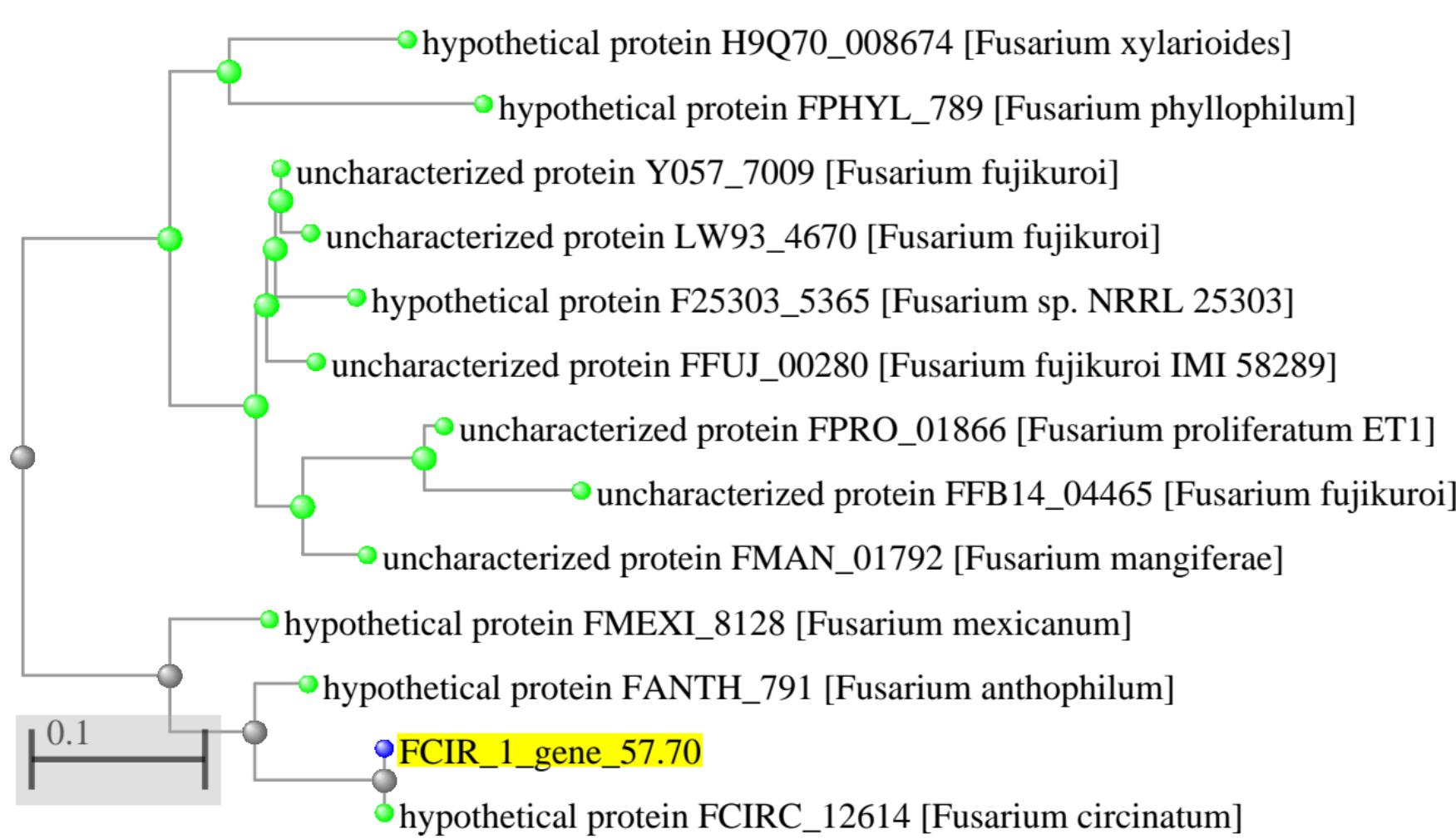
● hypothetical protein FPHYL_786 [Fusarium phyllophilum]

● hypothetical protein FANTH_794 [Fusarium anthophilum]

● FCIR_1_gene_57.52

● hypothetical protein FCIRC_6540 [Fusarium circinatum]





hypothetical protein FZEAL_237 [Fusarium zealandicum]

hypothetical protein FDECE_10858 [Fusarium decemcellulare]

hypothetical protein FALBO_3466 [Fusarium albosuccinum]

hypothetical protein CEP54_012219 [Fusarium sp. AF-8]

hypothetical protein CDV31_002718 [Fusarium ambrosium]

hypothetical protein CEP52_014611 [Fusarium sp. AF-4]

hypothetical protein CEP53_003549 [Fusarium sp. AF-6]

hypothetical protein CEP51_003006 [Fusarium floridanum]

hypothetical protein CDV36_007987 [Fusarium kuroshium]

uncharacterized protein NECHADRAFT_76489 [Fusarium vanettenii 77-13-4]

hypothetical protein FSPOR_7619 [Fusarium sporotrichioides]

hypothetical protein FPOAC1_011841 [Fusarium poae]

hypothetical protein FGSG_13648 [Fusarium graminearum PH-1]

unnamed protein product [Fusarium graminearum]

hypothetical protein HYE67_006272 [Fusarium culmorum]

uncharacterized protein FOIG_11868 [Fusarium odoratissimum NRRL 54006]

hypothetical protein FOVG_04826 [Fusarium oxysporum f. sp. pisi HDV247]

hypothetical protein FOTG_07815 [Fusarium oxysporum f. sp. vasinfectum 25433]

hypothetical protein FOXG_08261 [Fusarium oxysporum f. sp. lycopersici 4287]

hypothetical protein FOZG_06996 [Fusarium oxysporum Fo47]

uncharacterized protein FOYG_05066 [Fusarium oxysporum NRRL 32931]

uncharacterized protein FFUJ_14891 [Fusarium fujikuroi IMI 58289]

uncharacterized protein FPRO_02805 [Fusarium proliferatum ET1]

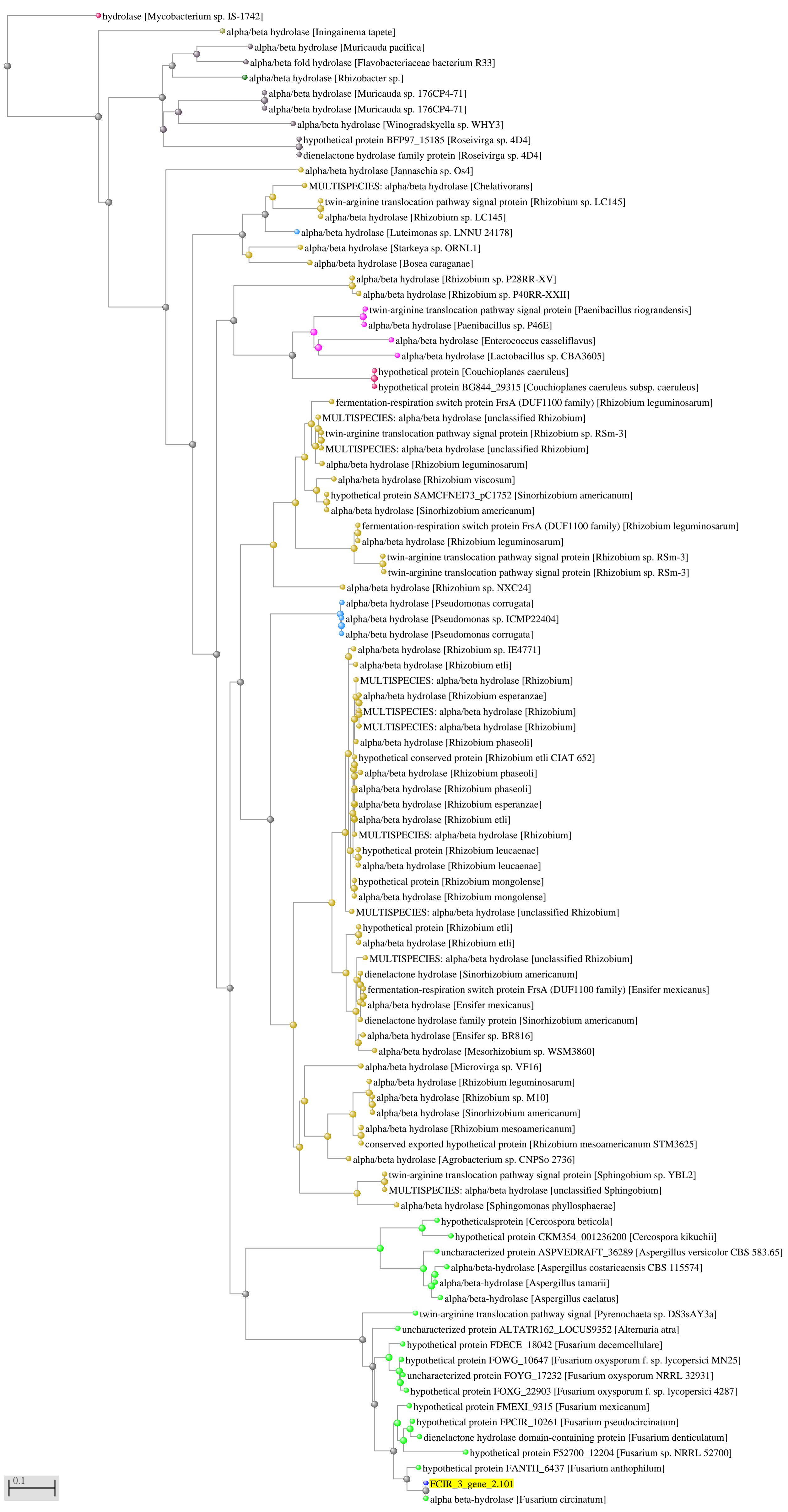
uncharacterized protein FPRN_02692 [Fusarium proliferatum]

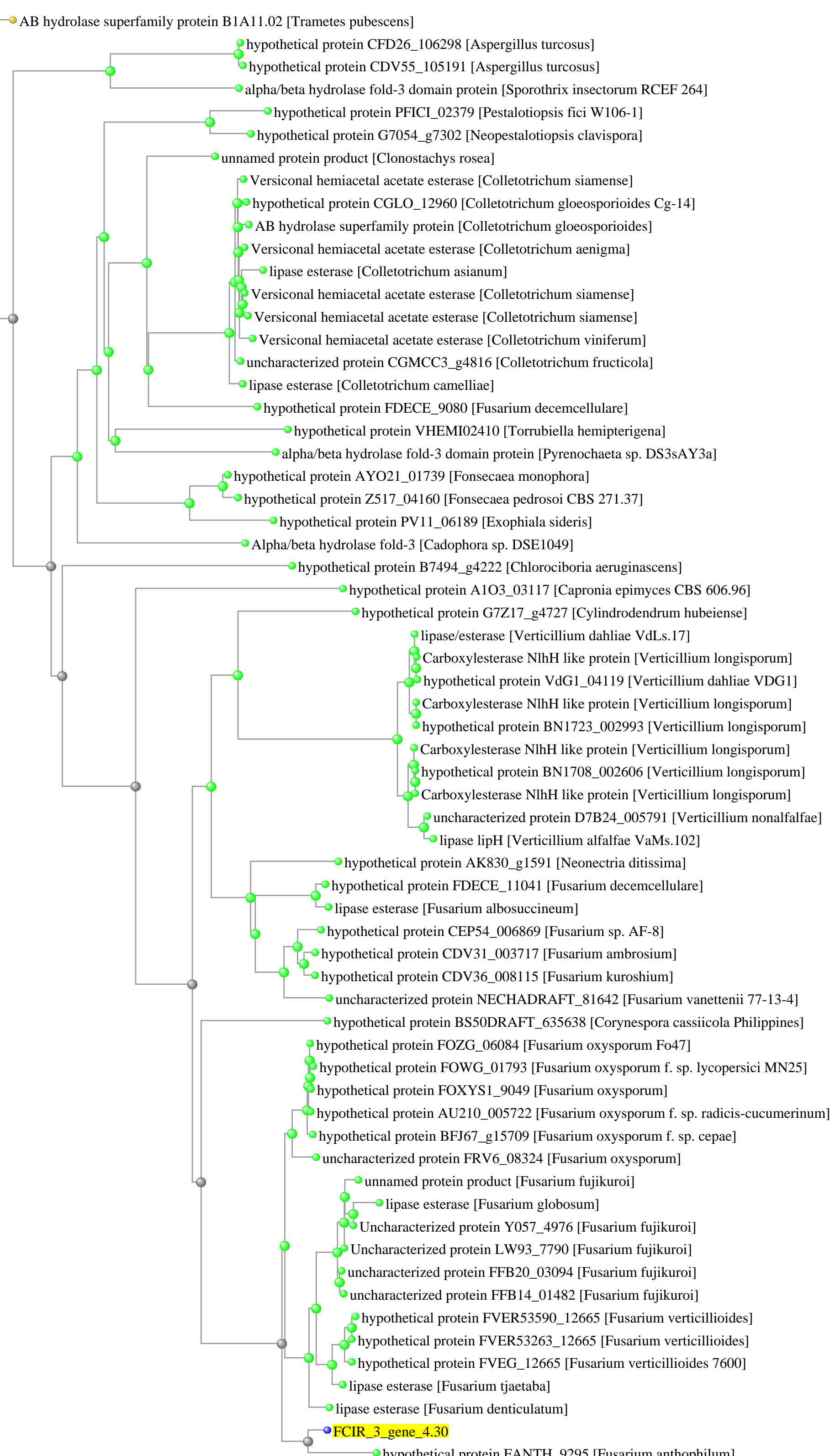
uncharacterized protein FMAN_02689 [Fusarium mangiferae]

FCIR_2_gene_19.96

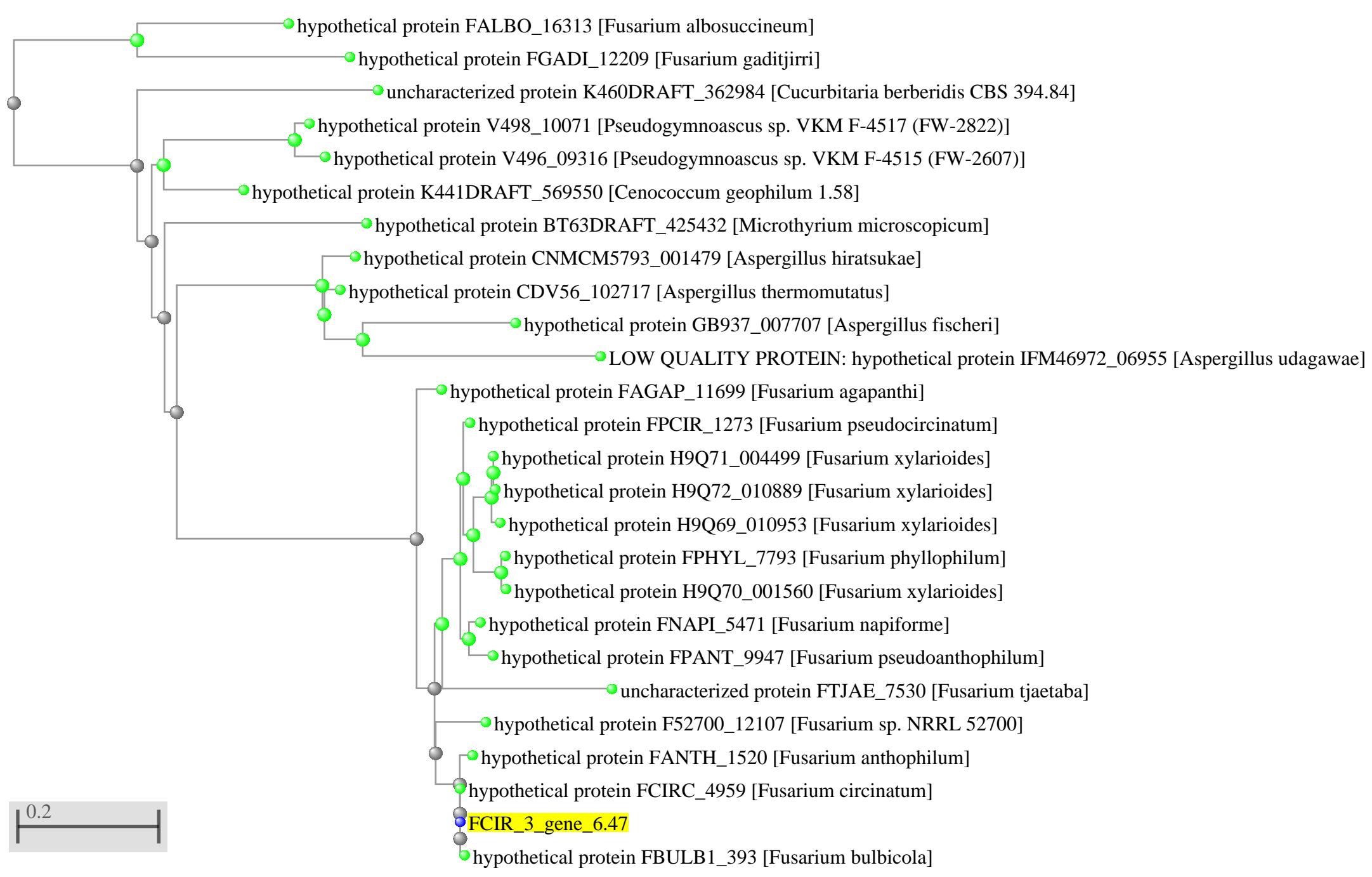
hypothetical protein FVEG_15854 [Fusarium verticillioides 7600]

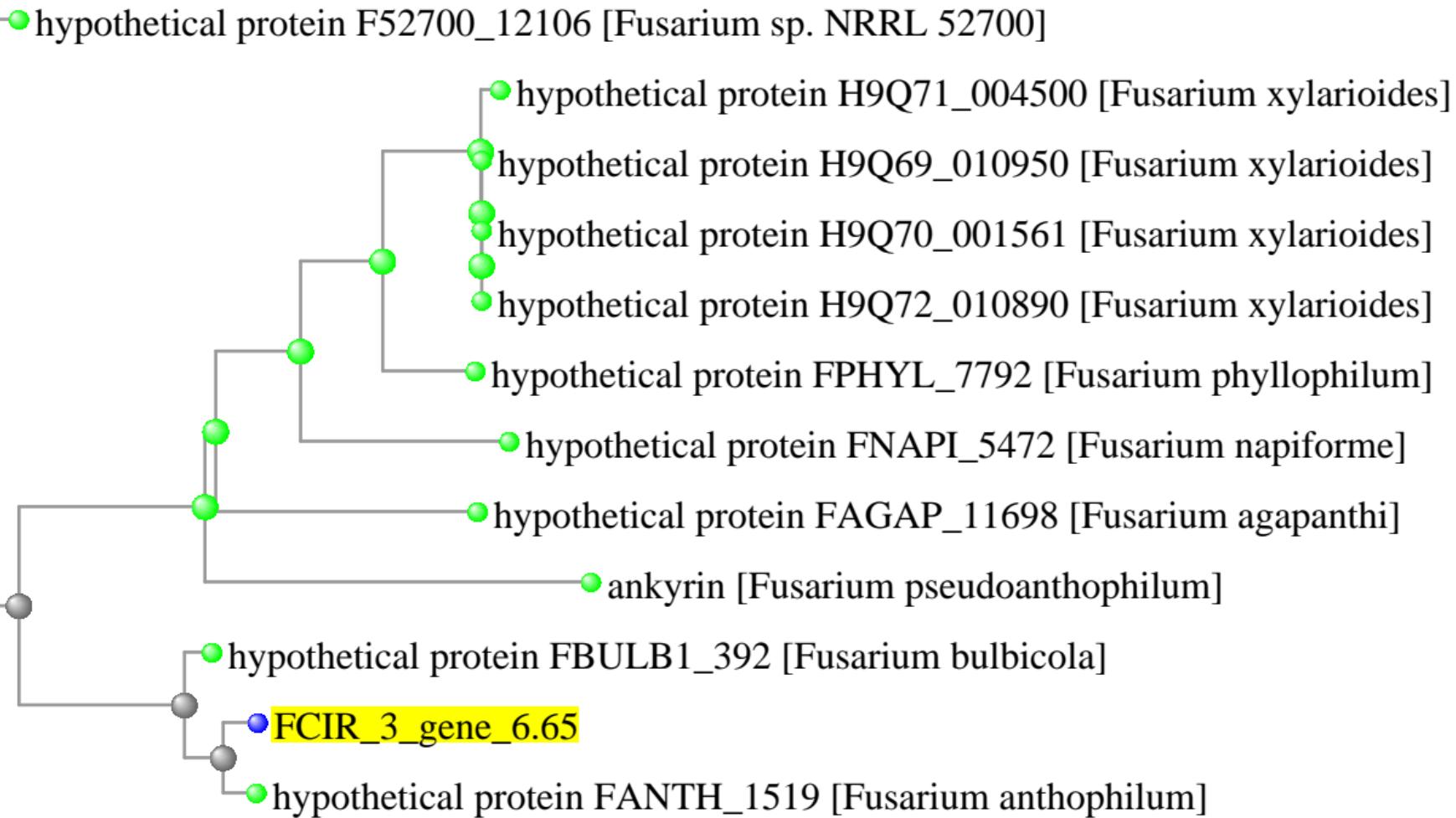




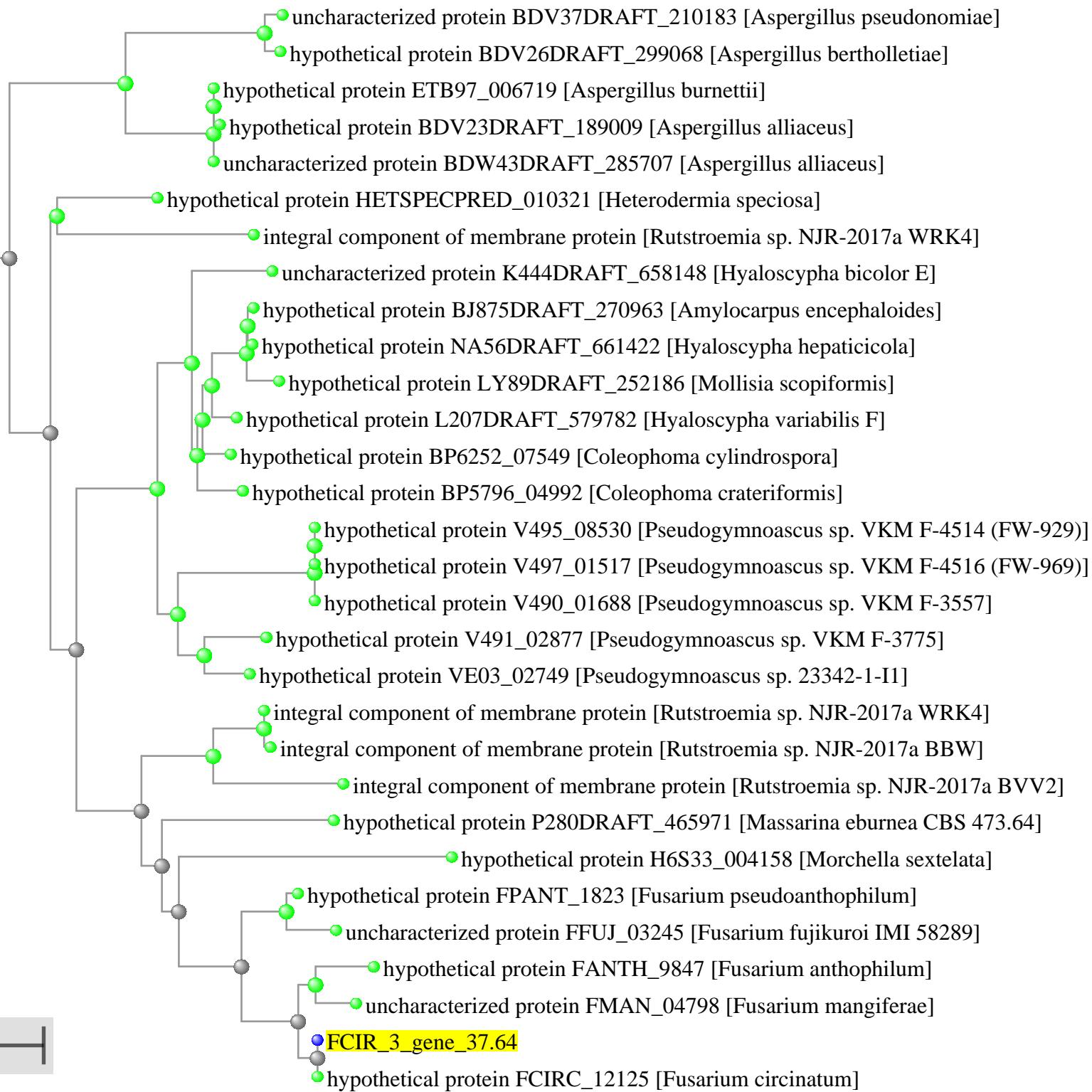


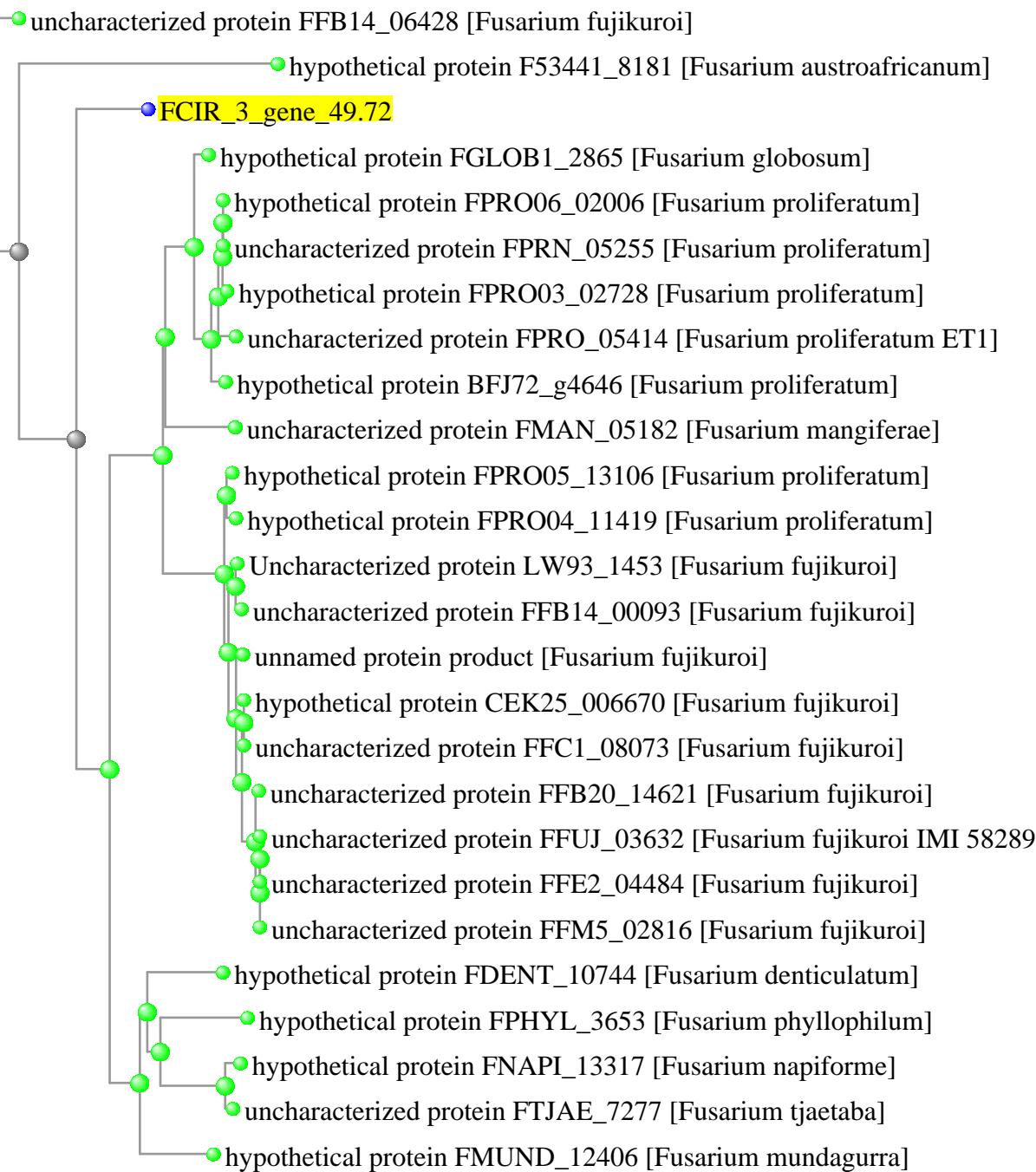
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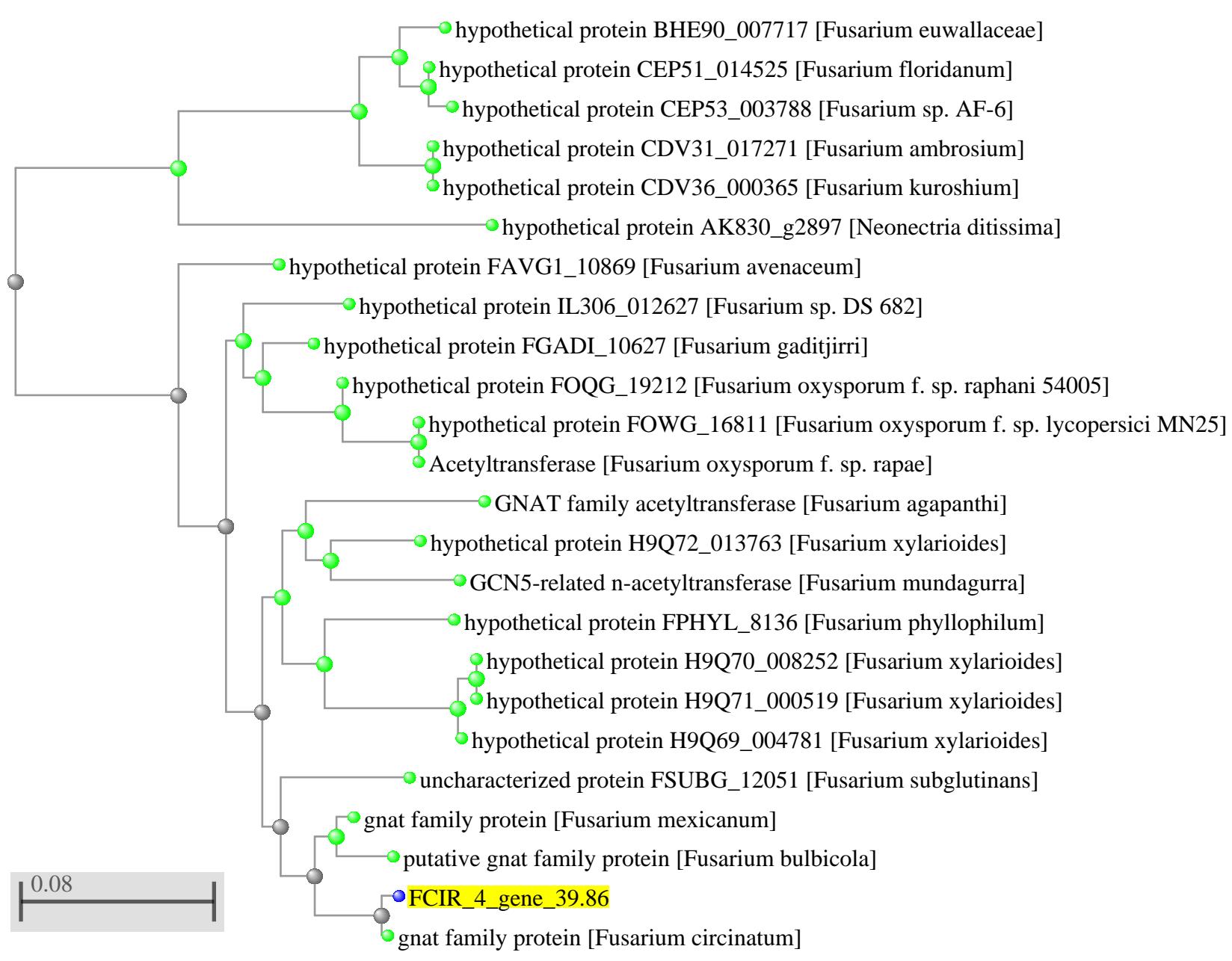


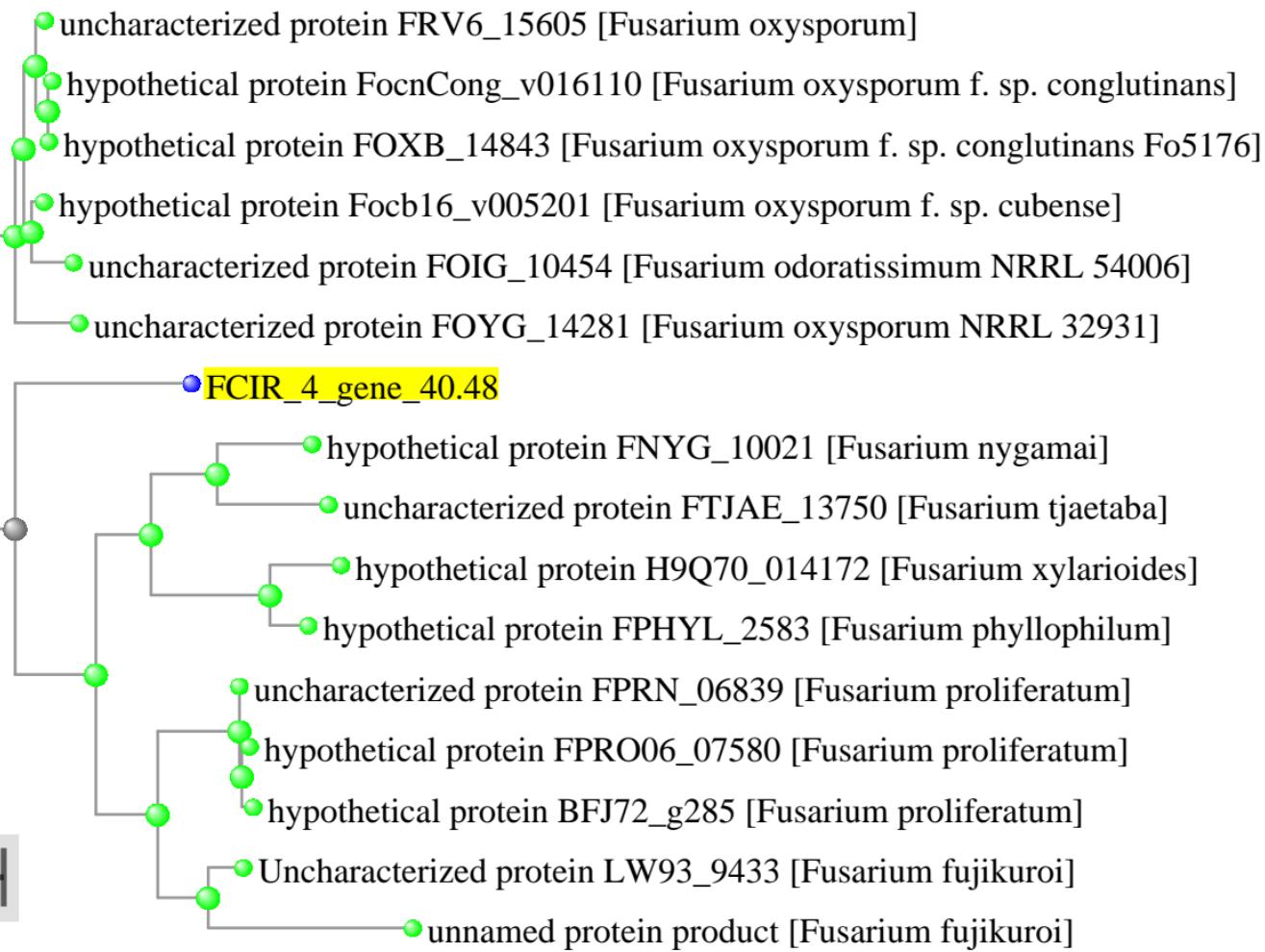
hypothetical protein I203_01007 [Kwoniella mangroviensis CBS 8507]
hypothetical protein L486_08039 [Kwoniella mangroviensis CBS 10435]
hypothetical protein I204_07020 [Kwoniella mangroviensis CBS 8886]

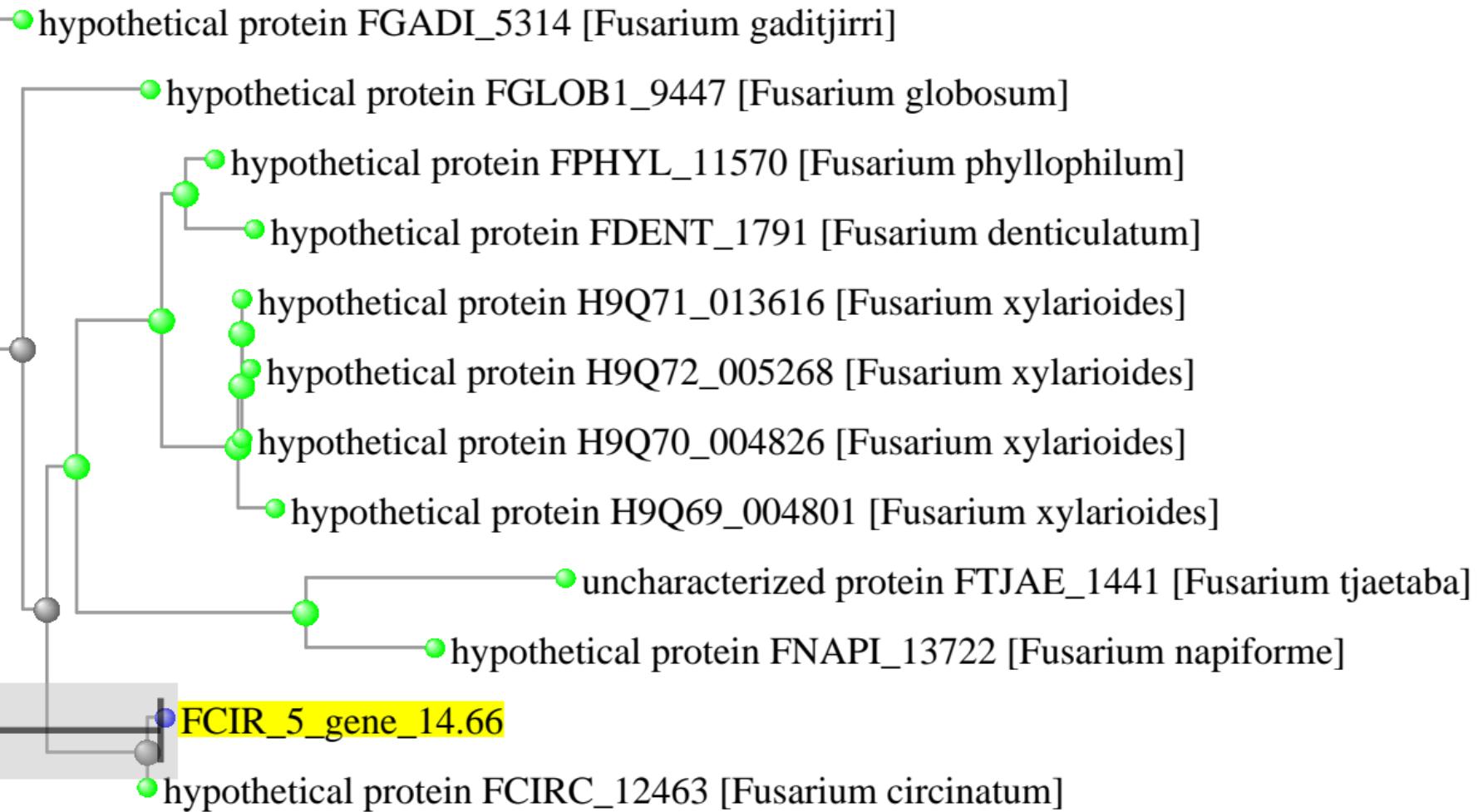


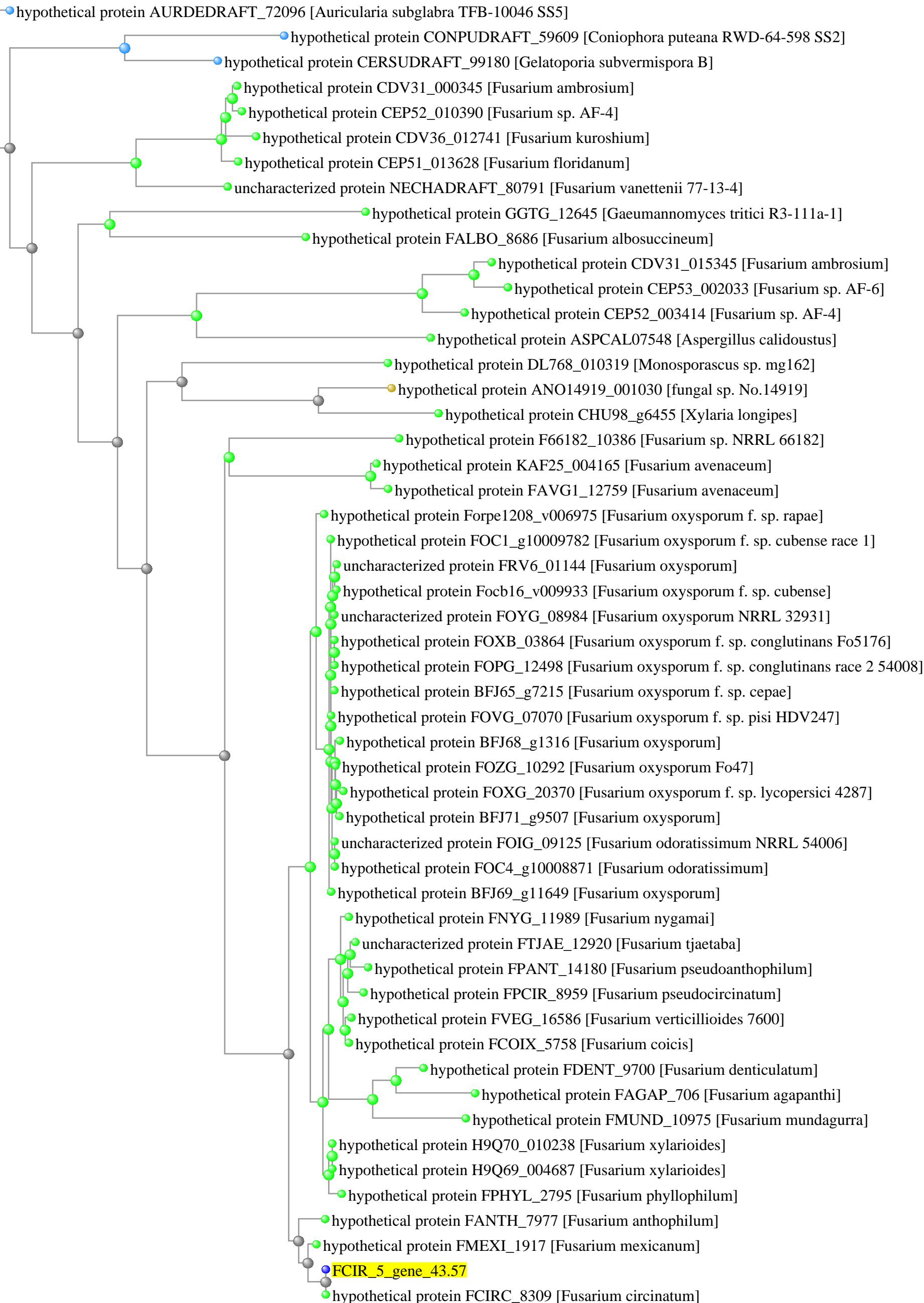


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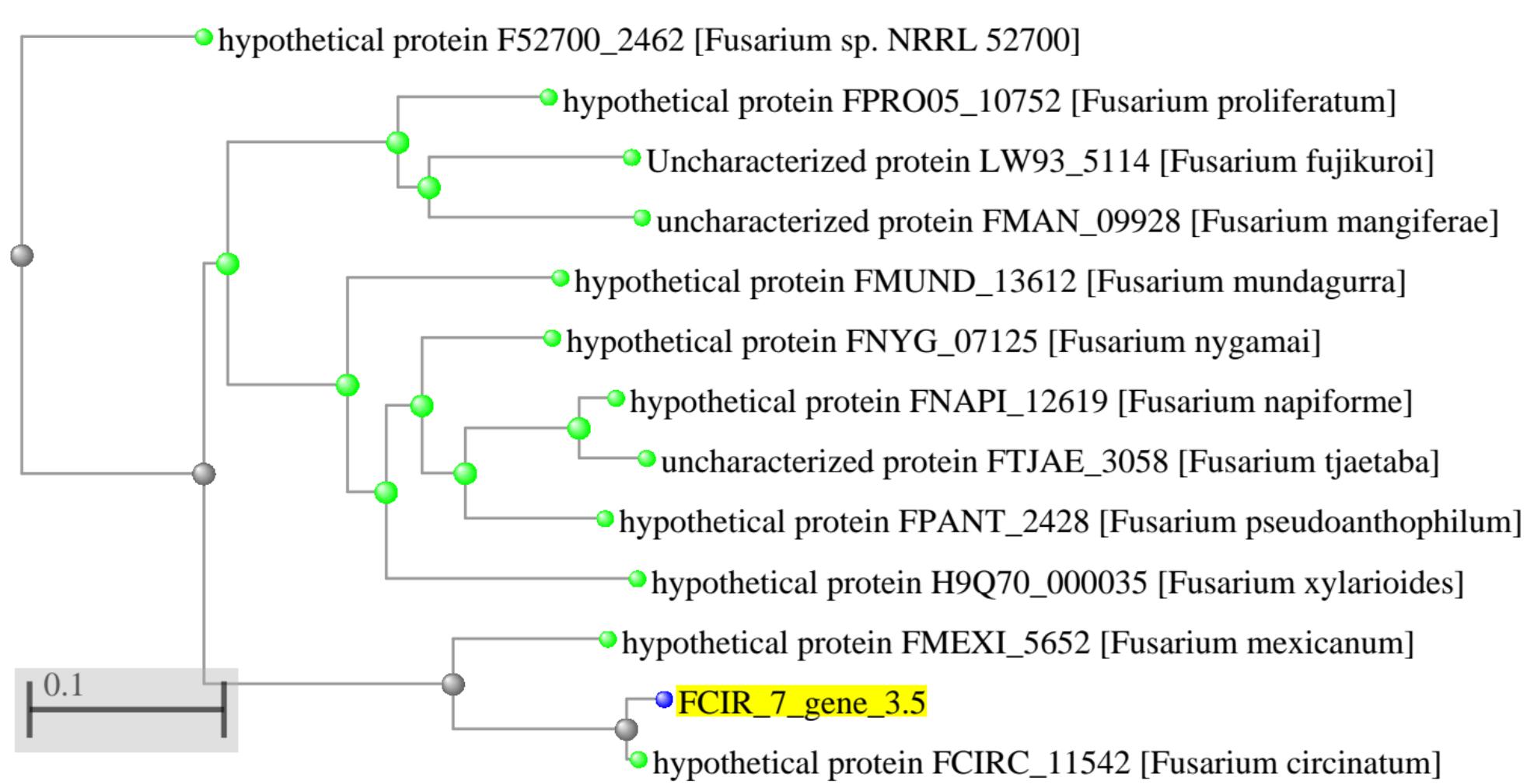


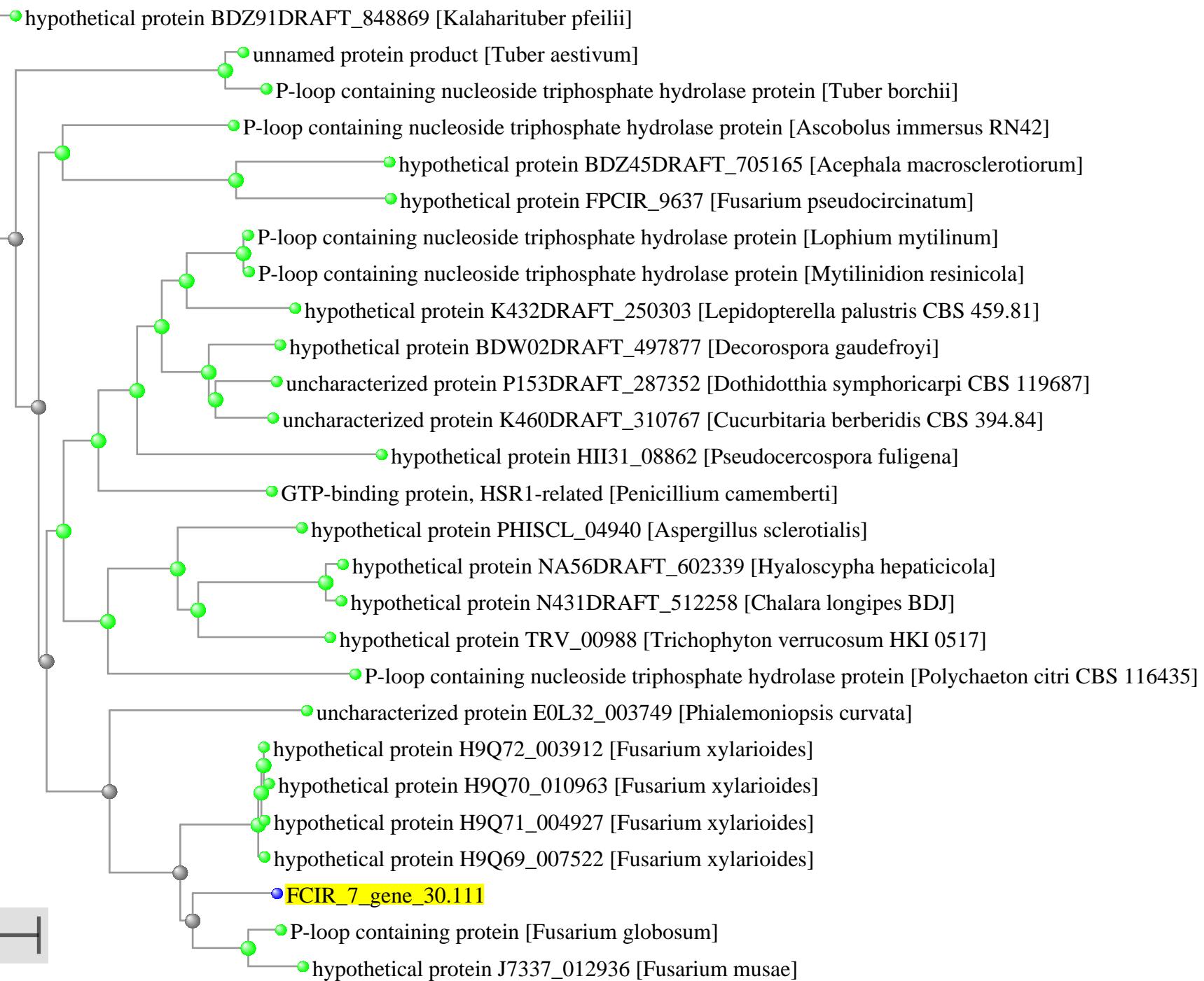




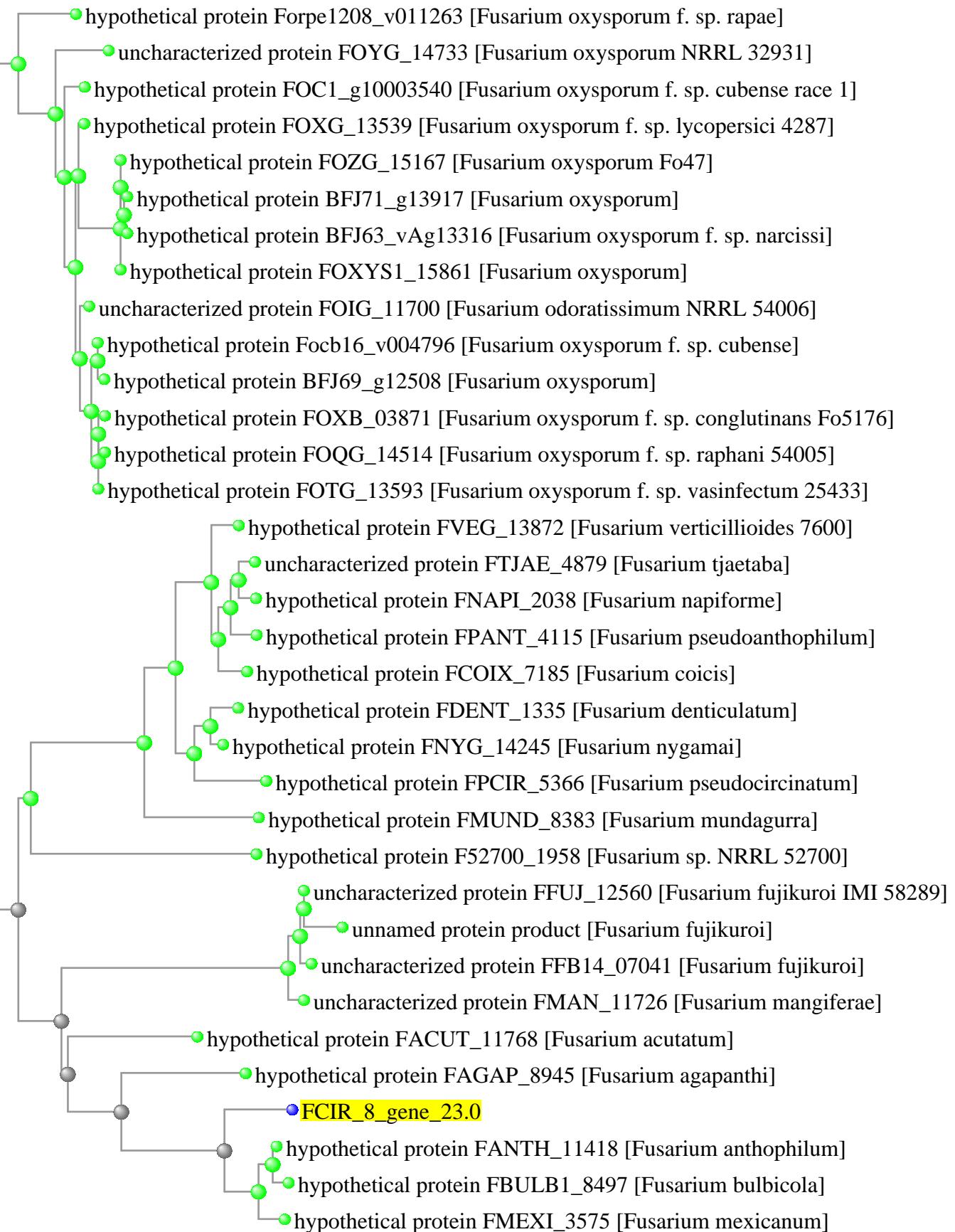


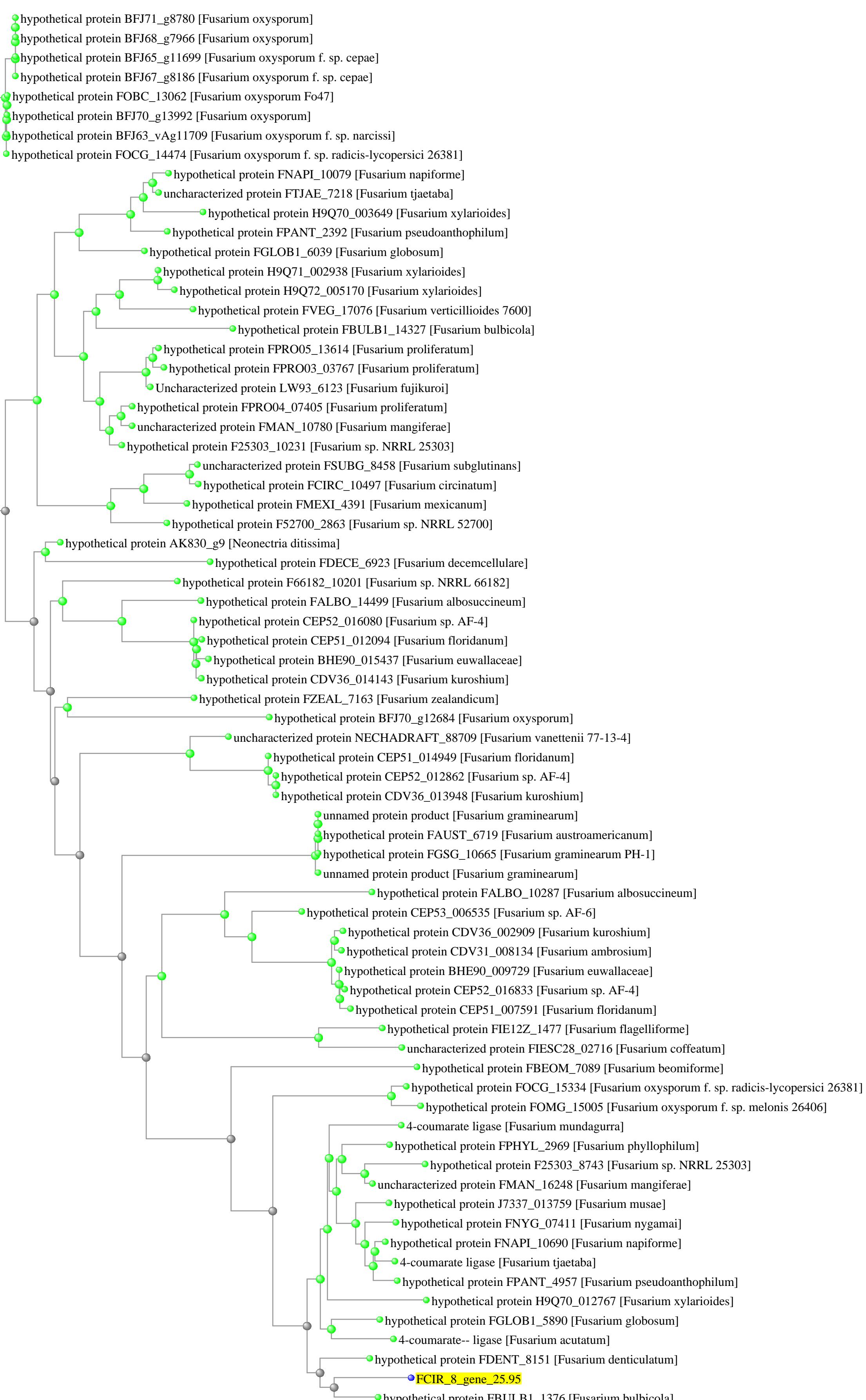
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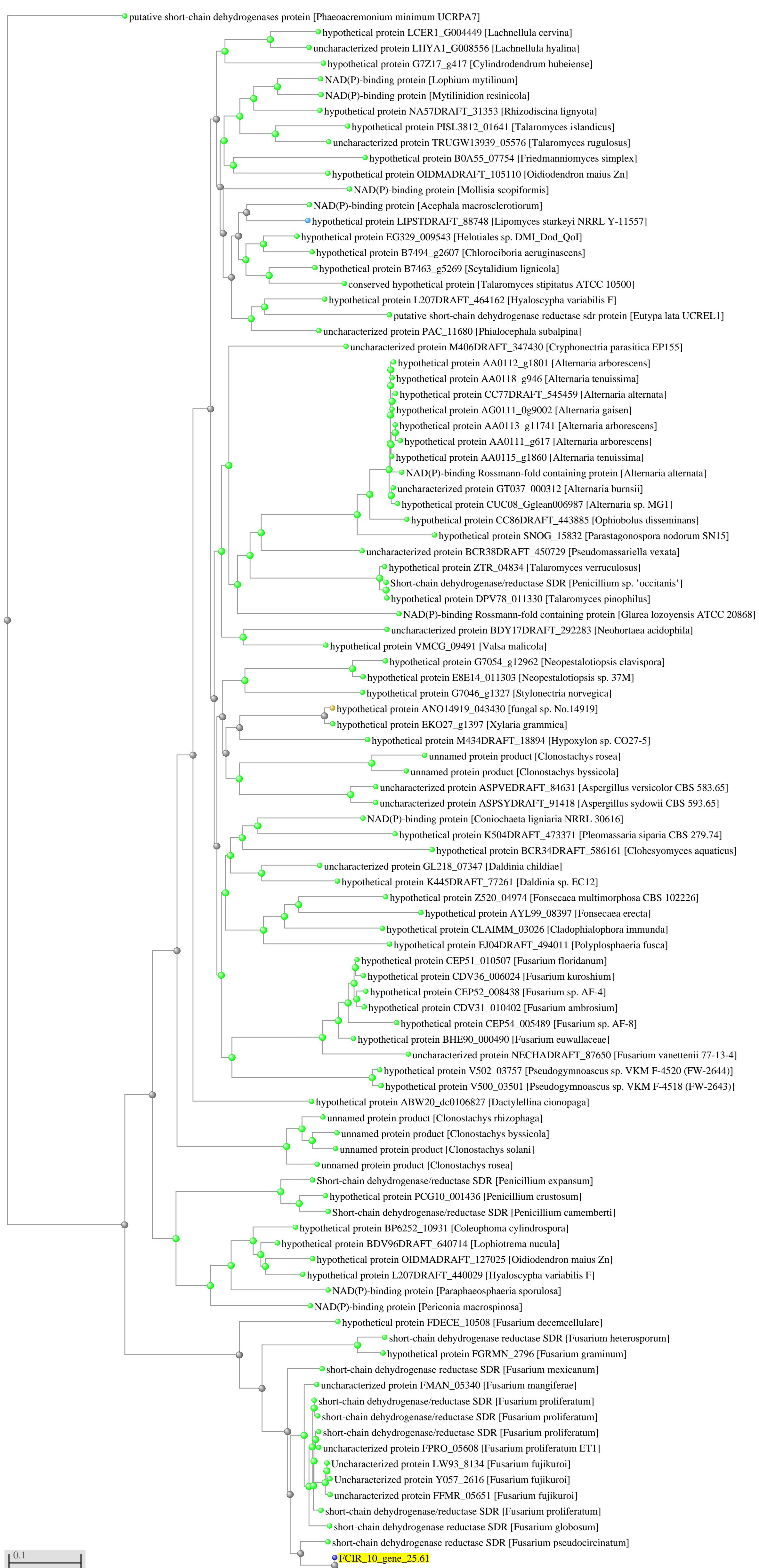


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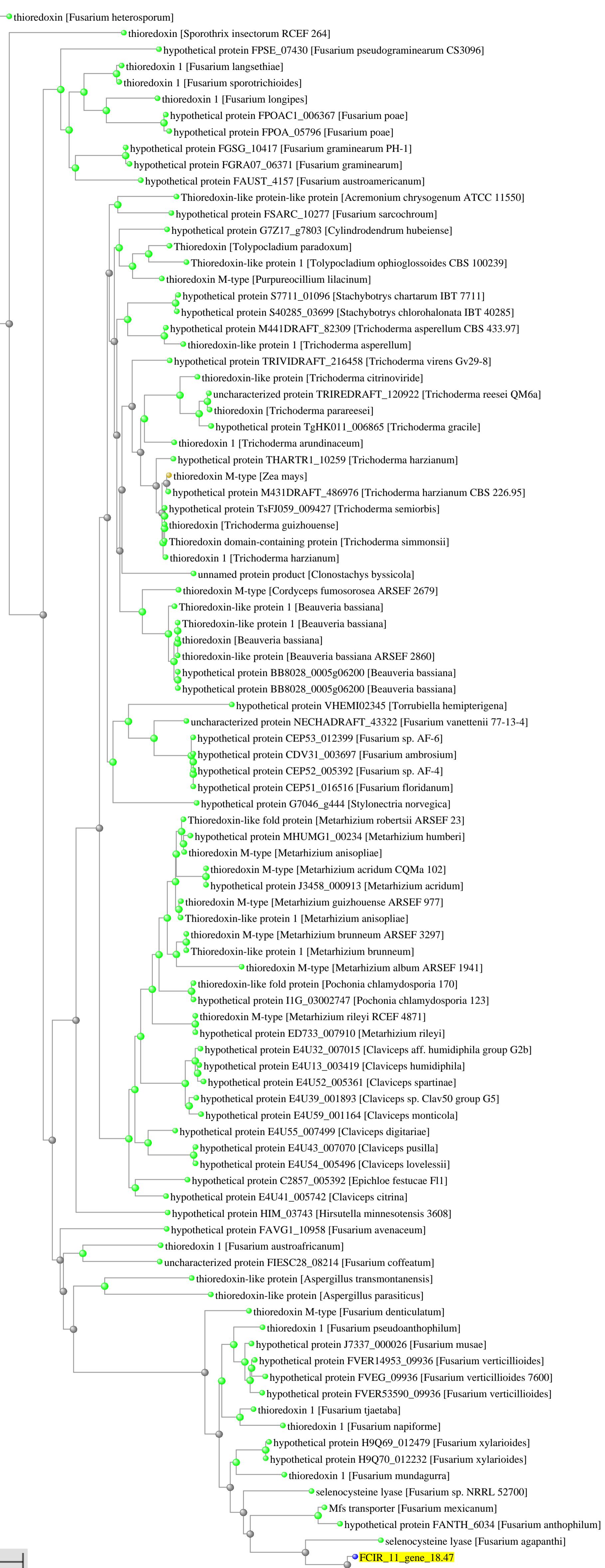








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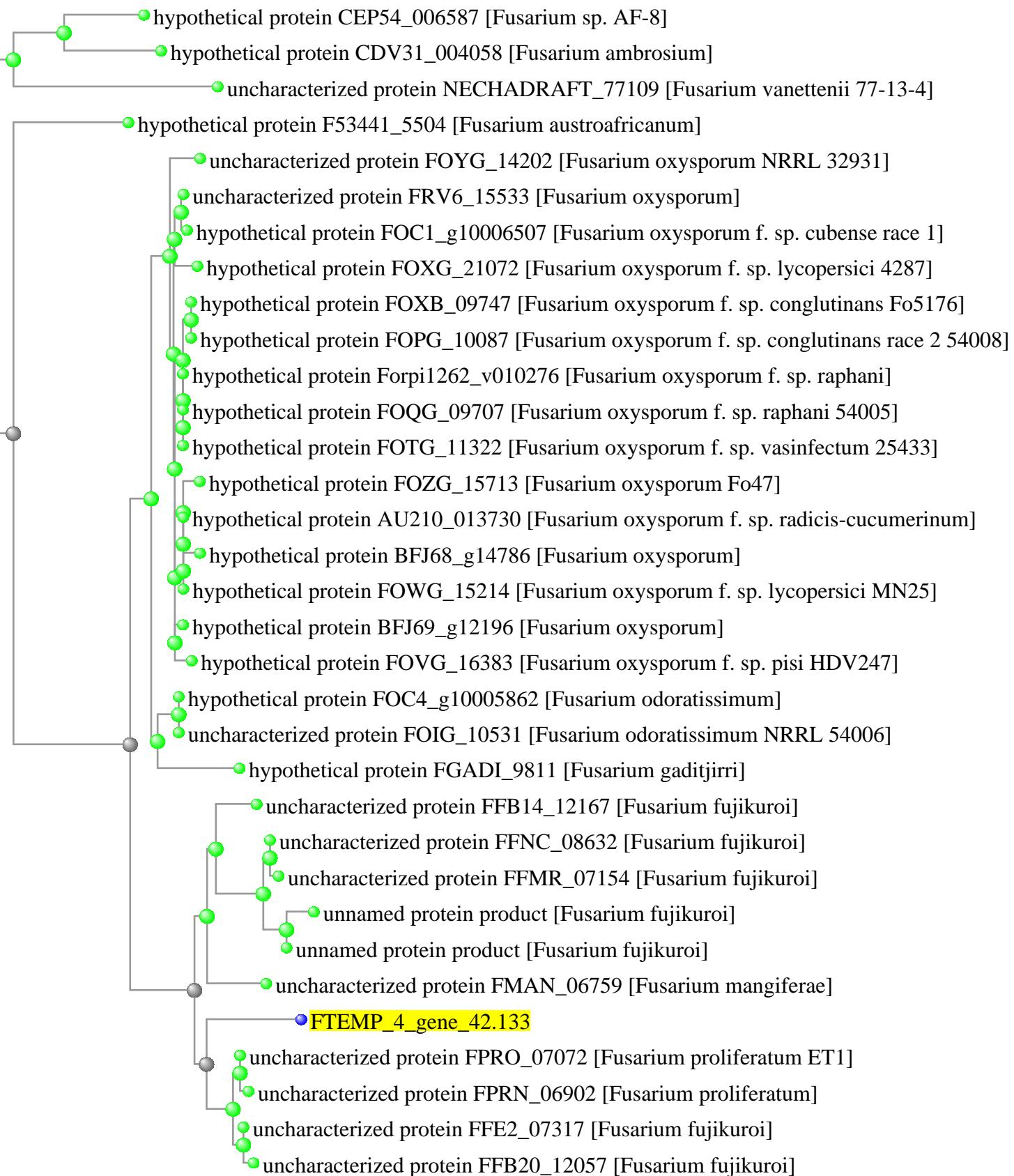


0.2

FCIR_11_gene_18.47

Mfs transporter [Fusarium circinatum]





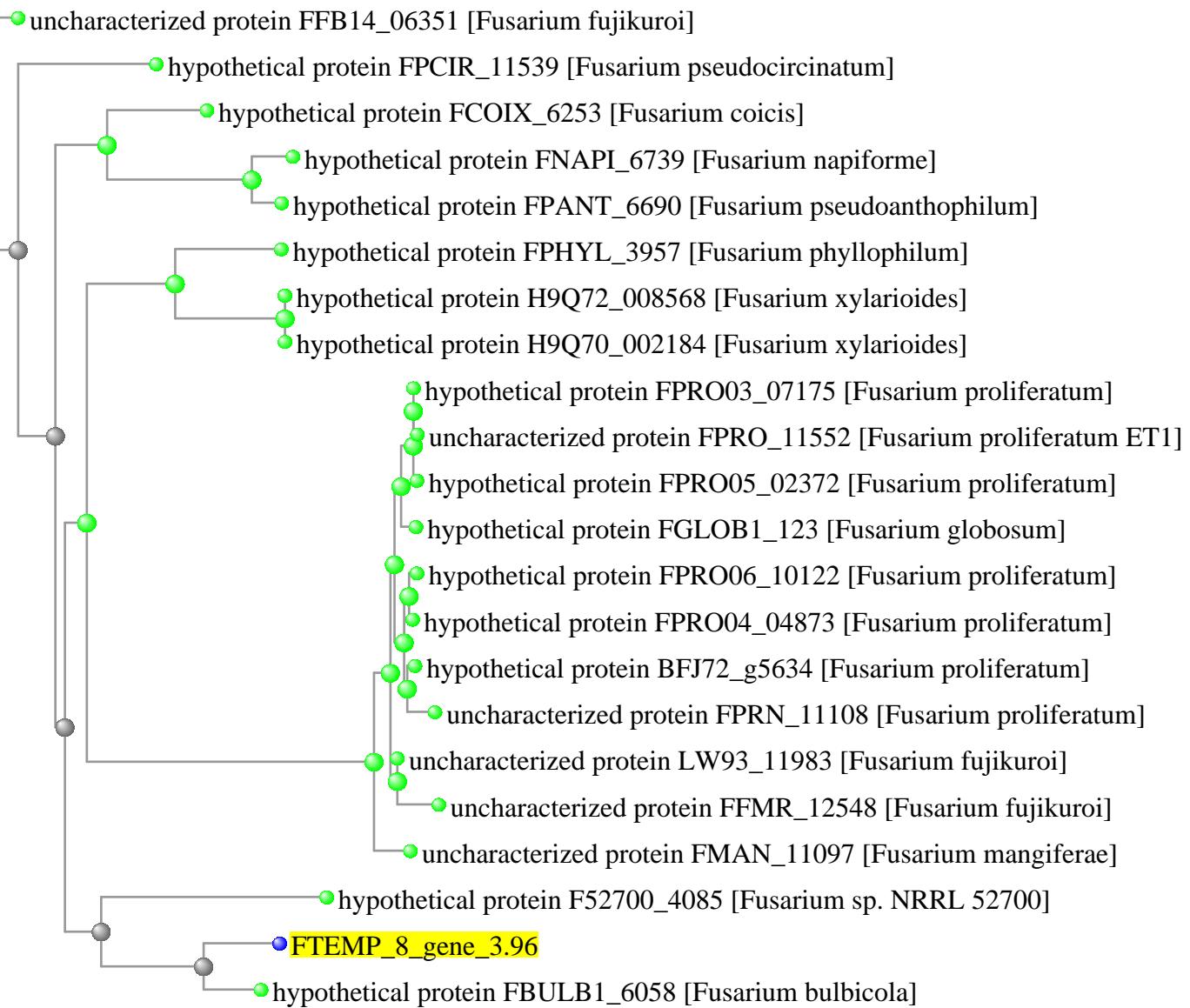
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0.1



0.1



0.2

● hypothetical protein FGADI_12252 [Fusarium gaditjirri]

● uncharacterized protein FPRO_11559 [Fusarium proliferatum ET1]

● hypothetical protein FPRO03_07182 [Fusarium proliferatum]

● hypothetical protein BFJ72_g5722 [Fusarium proliferatum]

● uncharacterized protein FPRN_11118 [Fusarium proliferatum]

● uncharacterized protein FFB14_06360 [Fusarium fujikuroi]

● hypothetical protein FGLOB1_1656 [Fusarium globosum]

● uncharacterized protein FMAN_11107 [Fusarium mangiferae]

● hypothetical protein F25303_6857 [Fusarium sp. NRRL 25303]

● hypothetical protein FVER14953_20892 [Fusarium verticillioides]

● hypothetical protein FCOIX_6240 [Fusarium coicis]

● hypothetical protein FPANT_6699 [Fusarium pseudoanthophilum]

● hypothetical protein FNAPI_6748 [Fusarium napiforme]

● hypothetical protein FPRO06_10131 [Fusarium proliferatum]

● hypothetical protein CEK27_011694 [Fusarium fujikuroi]

● uncharacterized protein FFUJ_13928 [Fusarium fujikuroi IMI 58289]

● Uncharacterized protein Y057_12228 [Fusarium fujikuroi]

● unnamed protein product [Fusarium fujikuroi]

● uncharacterized protein FFC1_11334 [Fusarium fujikuroi]

● uncharacterized protein FFB20_15750 [Fusarium fujikuroi]

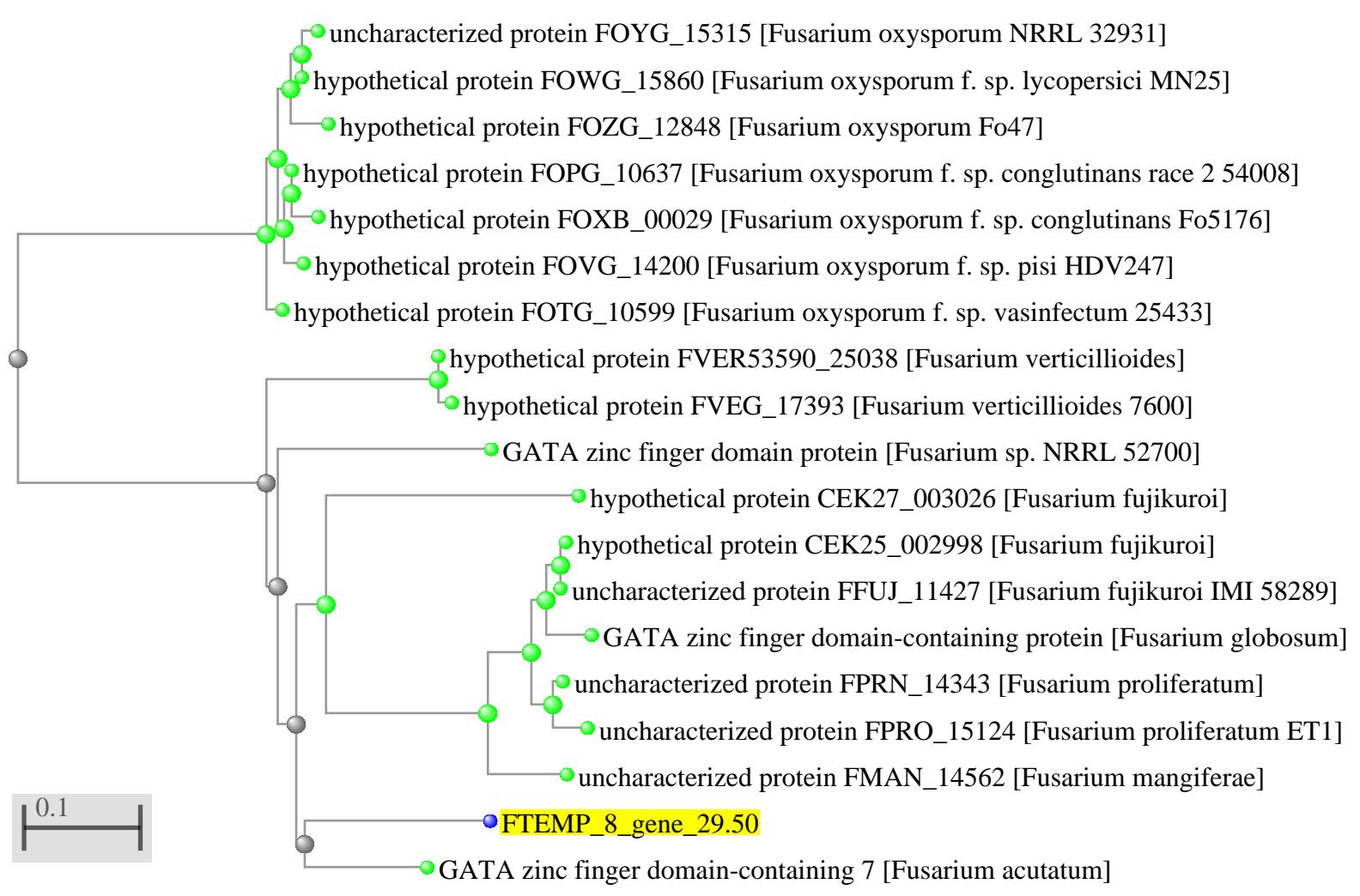
● **FTEMP_8_gene_4.145**

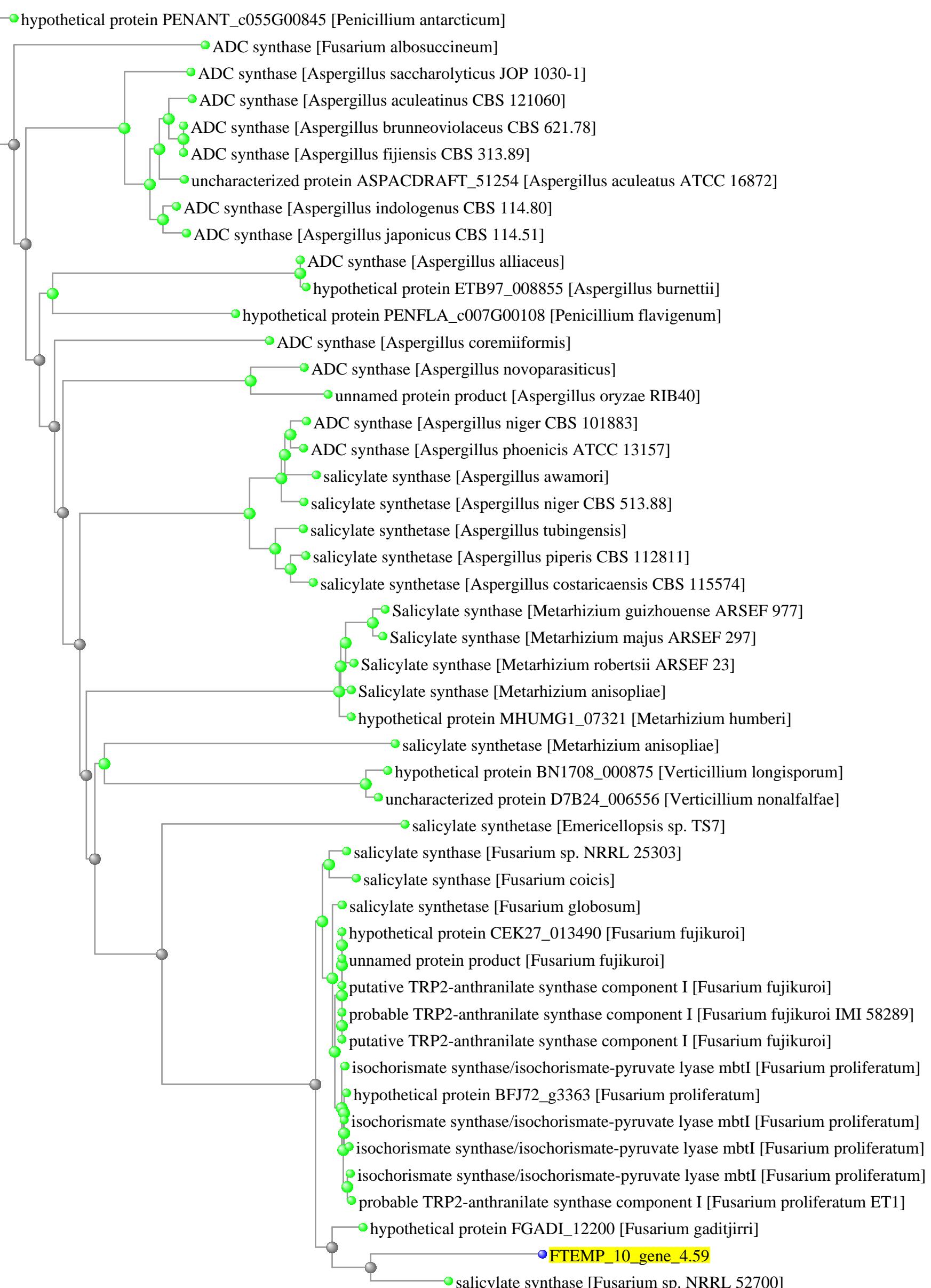
● uncharacterized protein FSUBG_9446 [Fusarium subglutinans]

● hypothetical protein FANTH_6496 [Fusarium anthophilum]

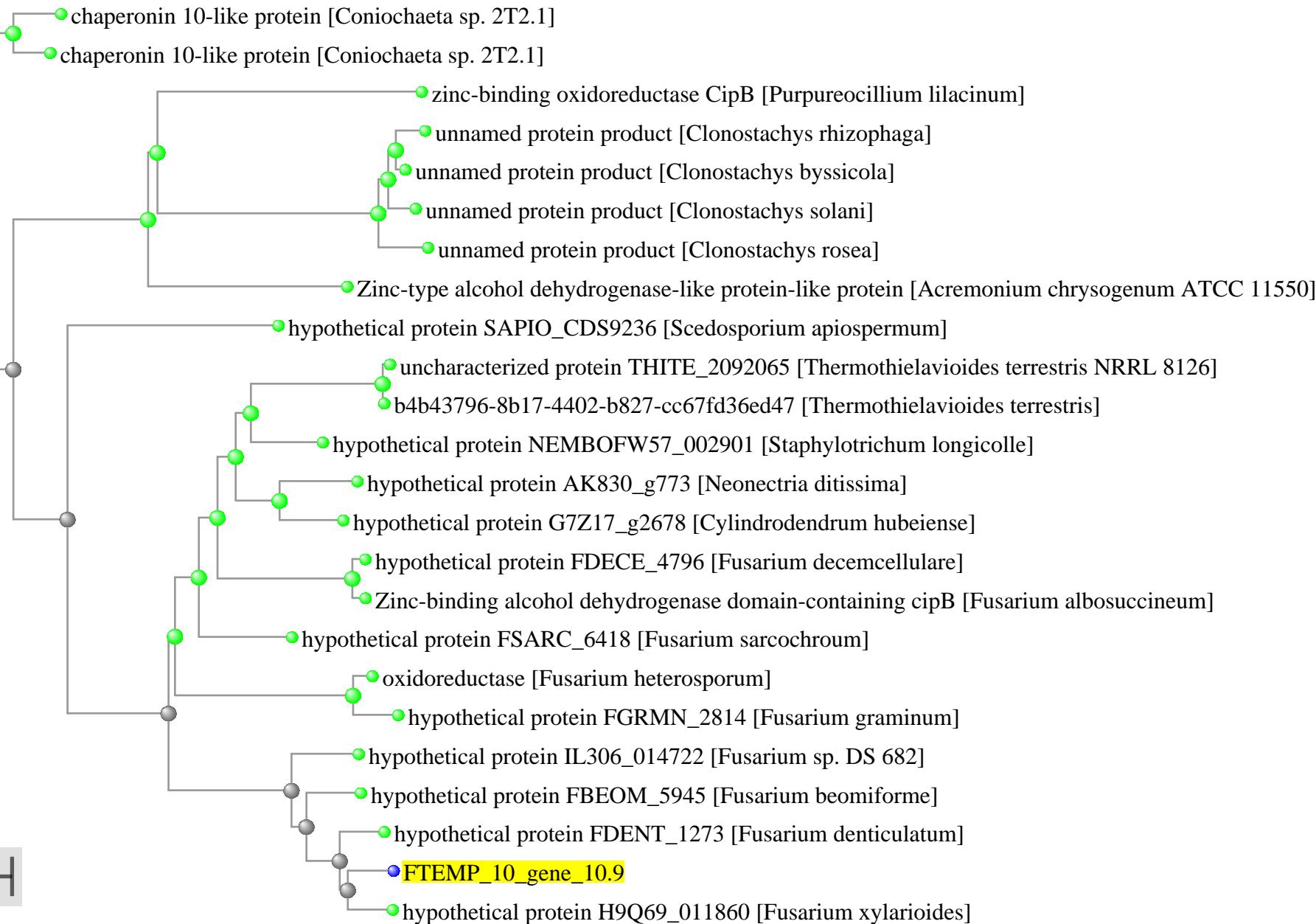
● hypothetical protein FMEXI_5061 [Fusarium mexicanum]







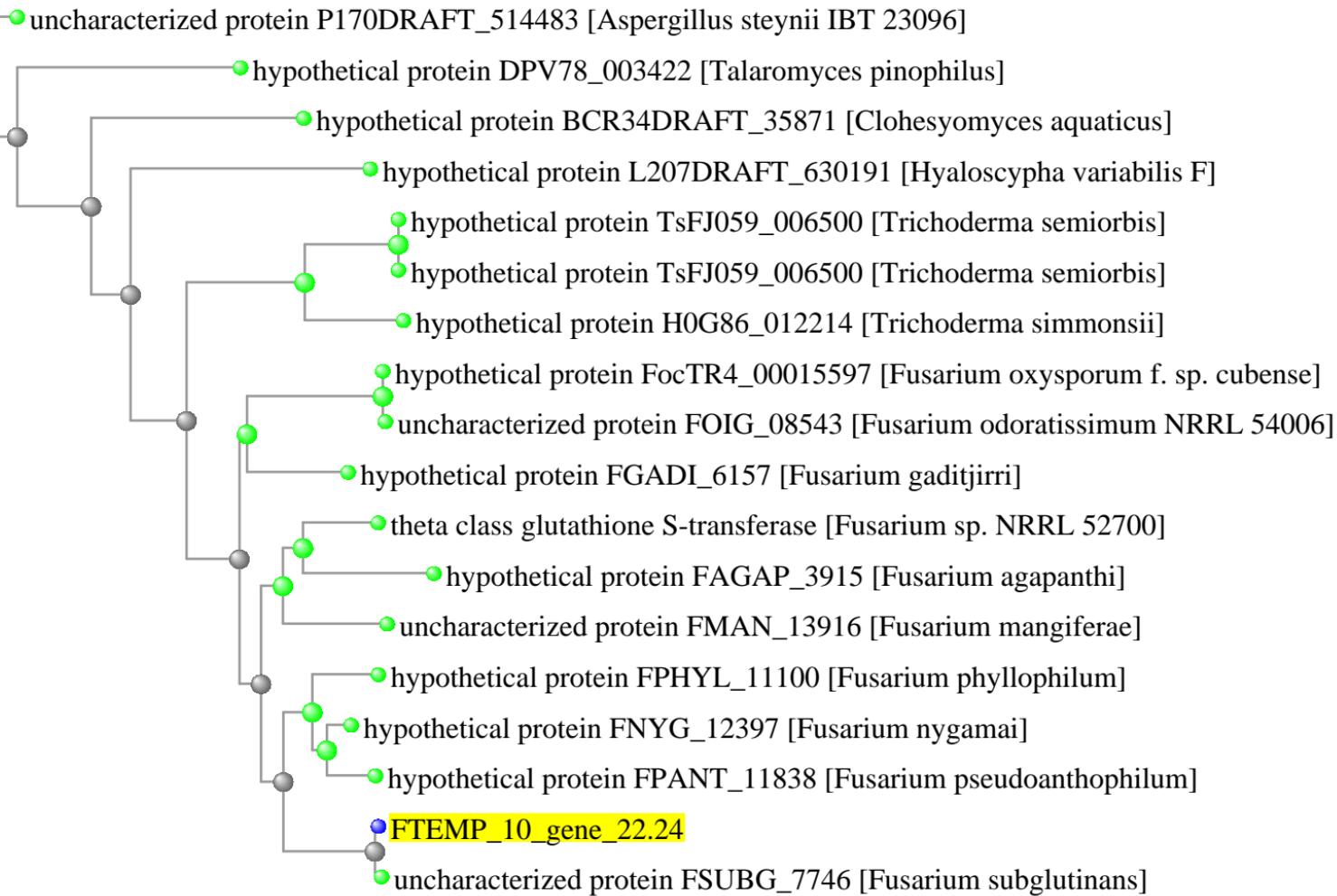
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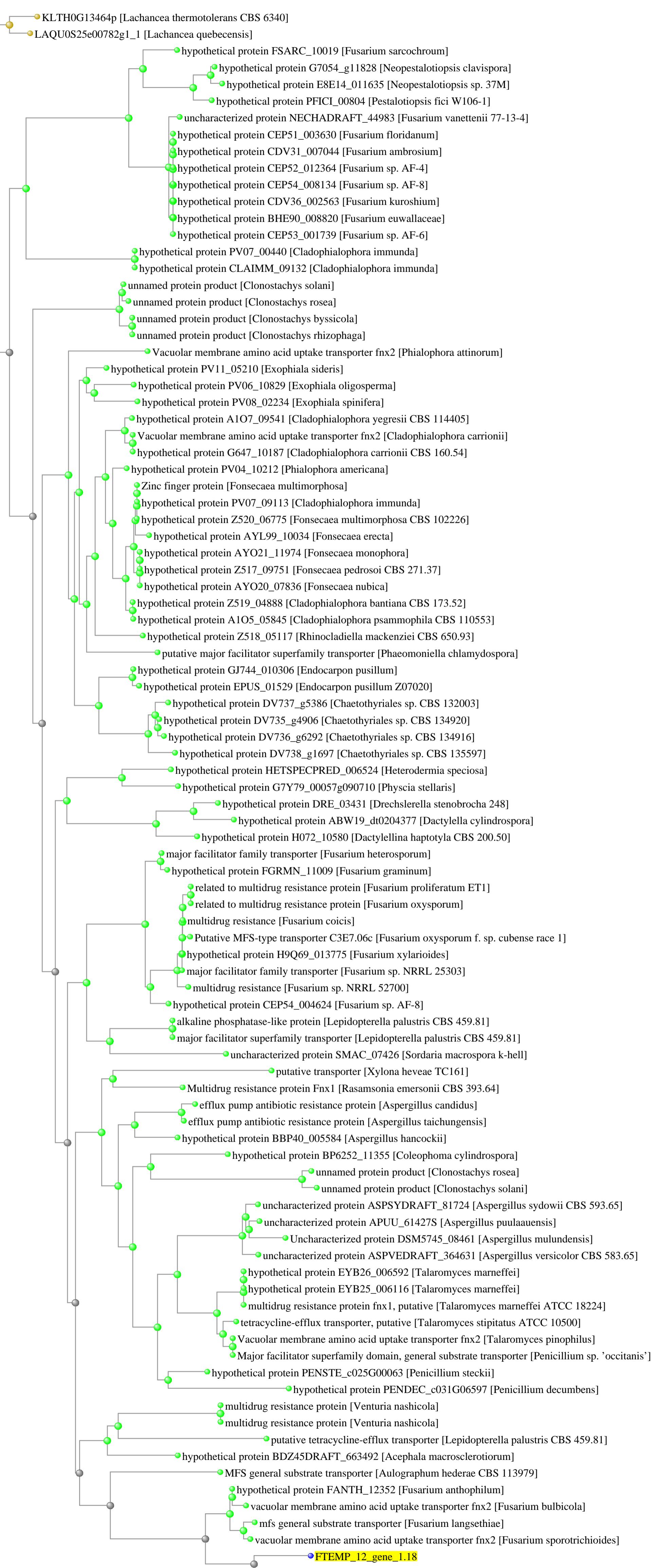
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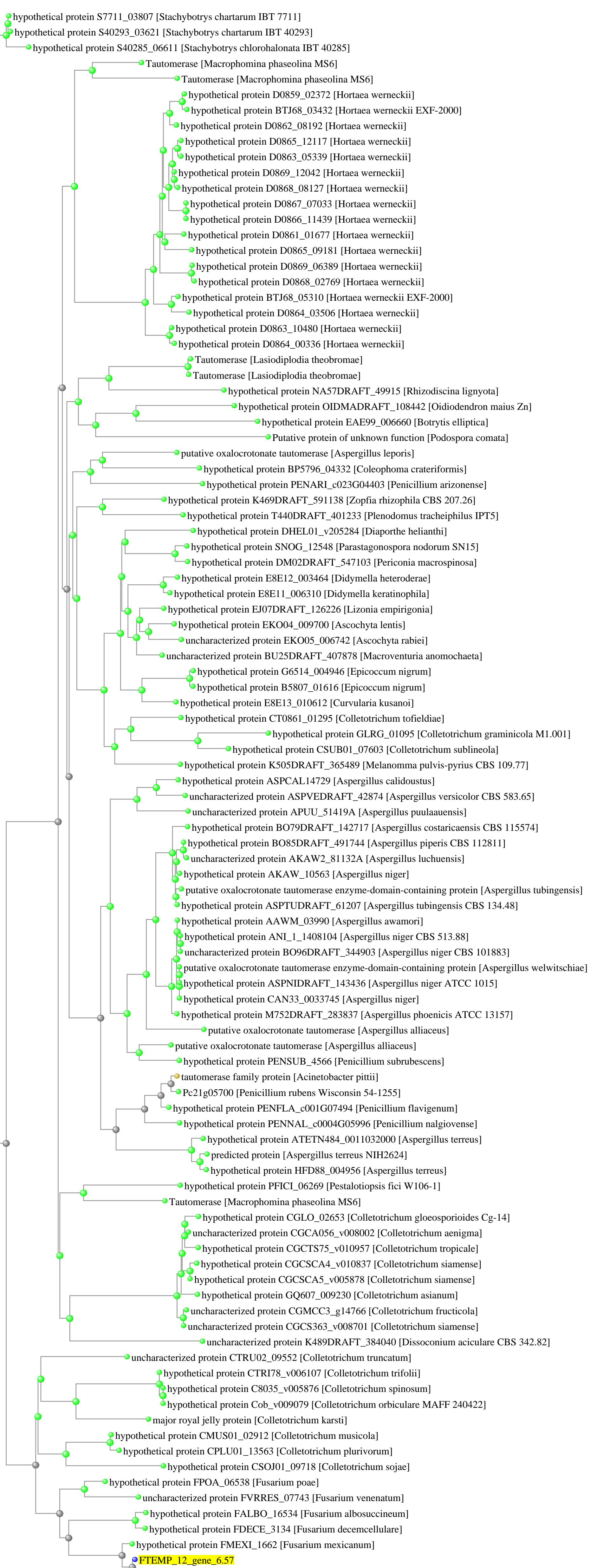
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0.1



0.1