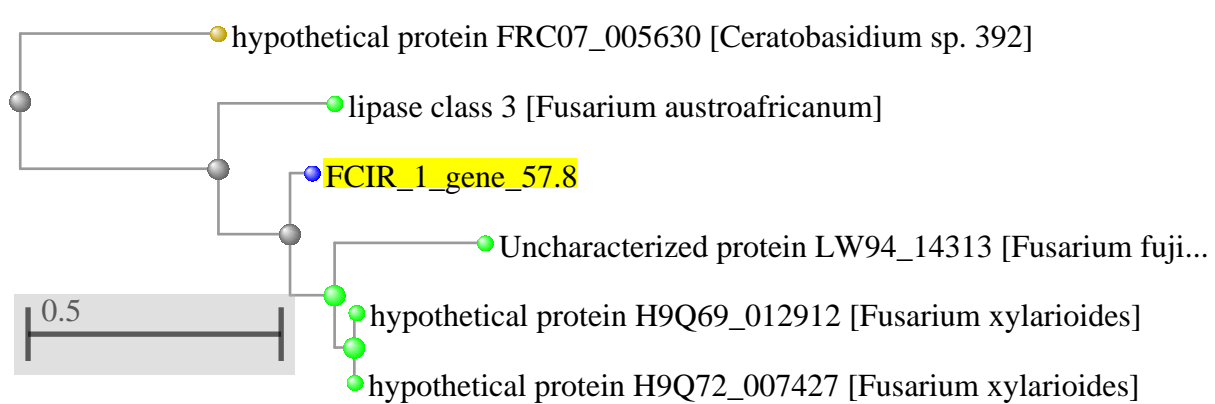


Figure S5. Host-range-associated genes with less than 10 ancestral origin hits and mostly *Fusarium*. Host-range-associated genes investigated are highlighted in yellow; FCIR = *Fusarium circinatum* and FTEMP = *Fusarium temperatum*.

FCIR_1_gene_8.74

hypothetical protein FPANT_12286 [Fusarium pse...]

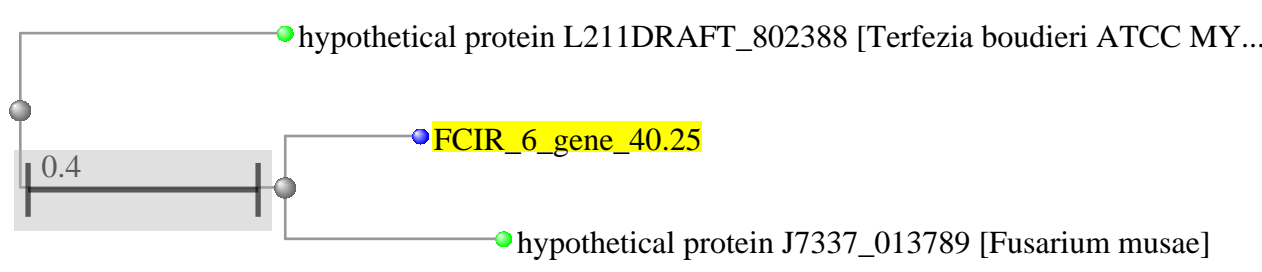
hypothetical protein FGLOB1_1027 [Fusarium gl...]

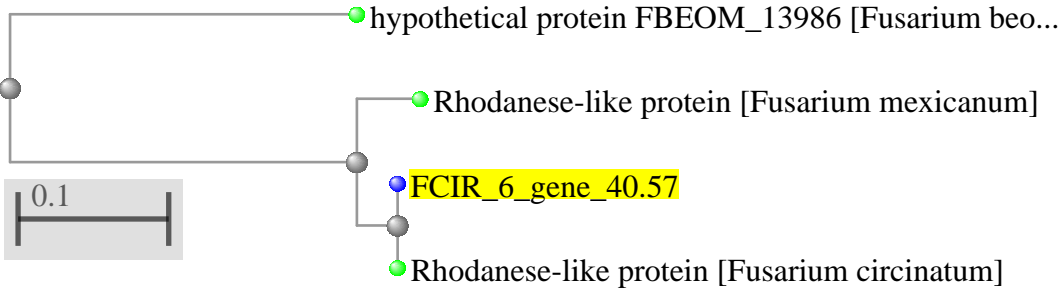


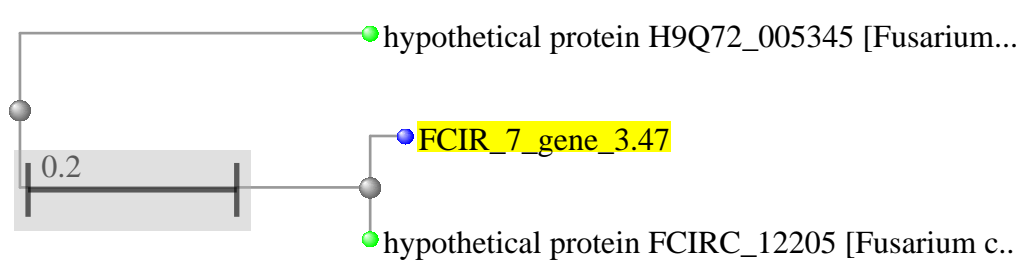
FCIR_2_gene_22.10

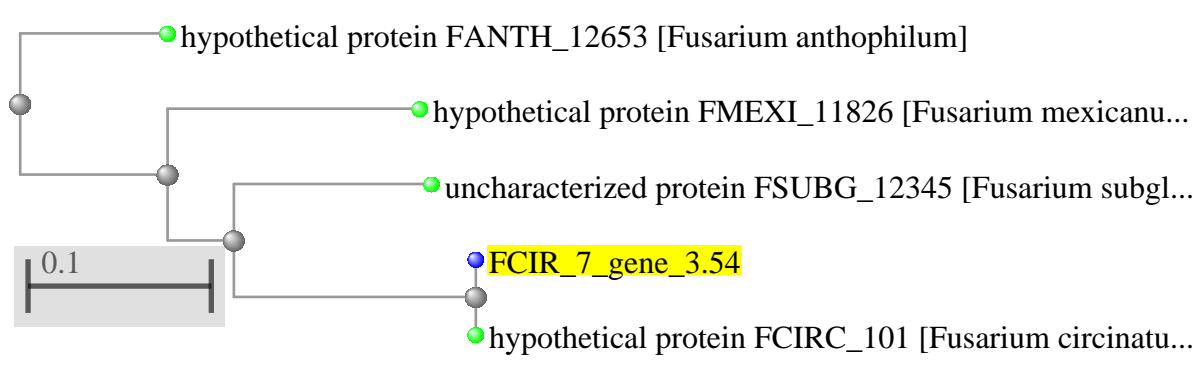
0.005

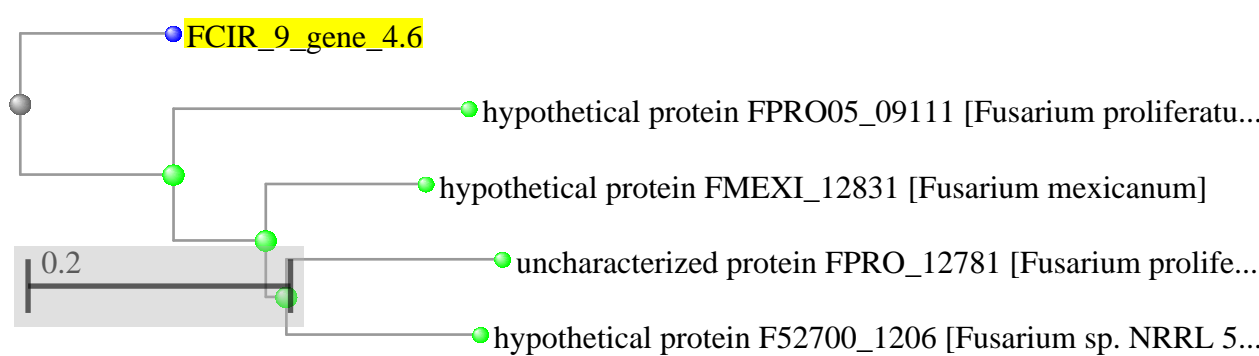
hypothetical protein FANTH_11905 [Fusa...







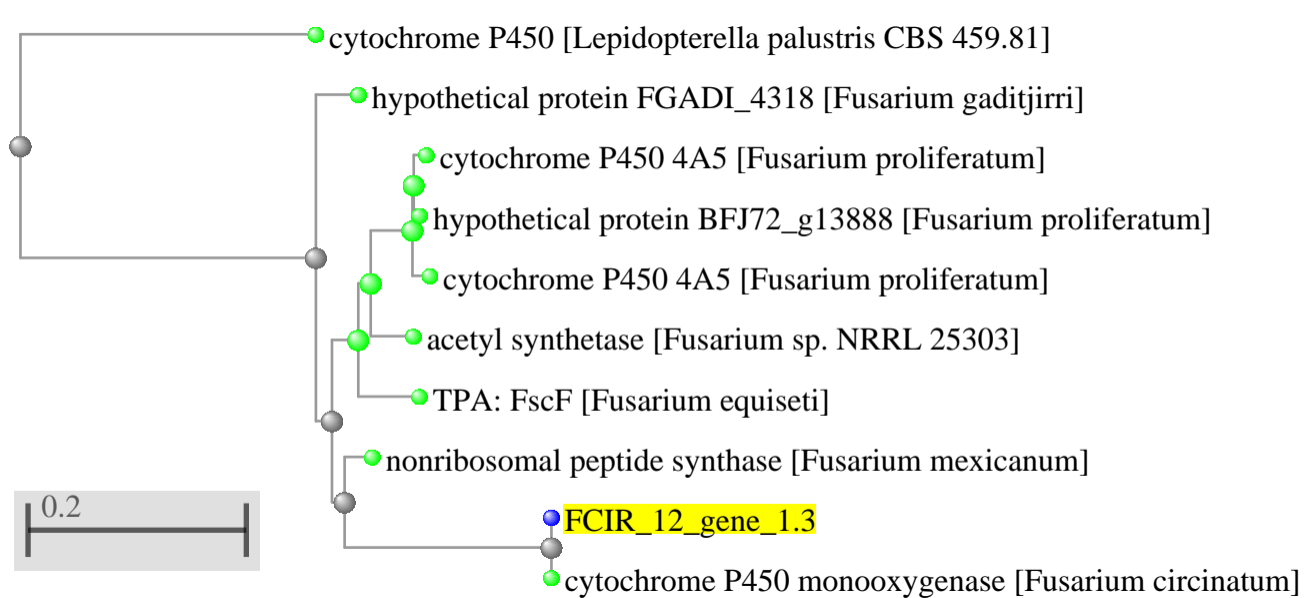


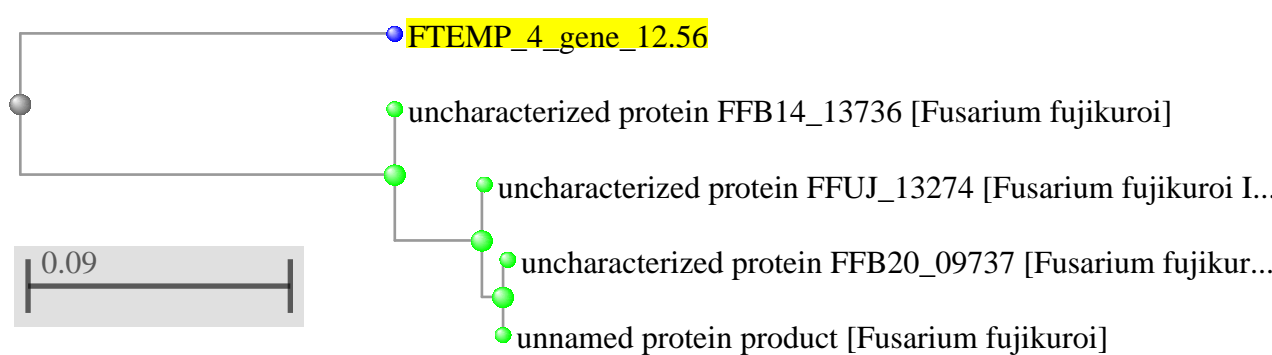


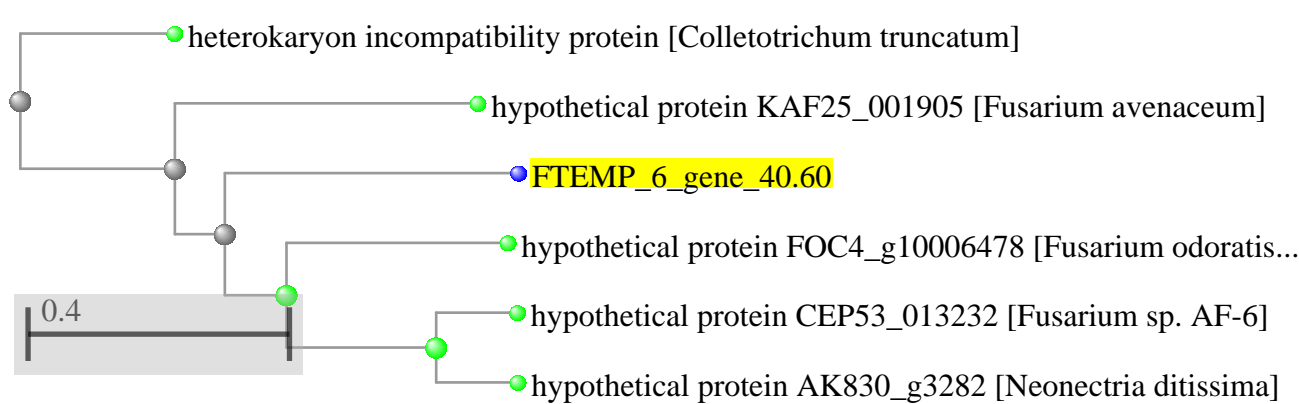
FCIR_10_gene_25.32

hypothetical protein FDECE_10509 [Fusarium d...

Zn2 Cys6 DNA-binding [Fusarium albosuccin...







A phylogenetic tree diagram showing the evolutionary relationships between four protein sequences. The root of the tree is marked with a grey circle on the left. The first branch leads to a blue circle labeled 'FTEMP_8_gene_4.70'. The second branch leads to a green circle labeled 'hypothetical protein FNYG_05159 [Fusarium nygamai]'. The third branch leads to a green circle labeled 'uncharacterized protein FFUJ_13944 [Fusarium fujiku...]', which then splits into two branches leading to green circles labeled 'hypothetical protein CEK27_011680 [Fusarium fujiku...]' and another green circle. A scale bar at the bottom left indicates a distance of 0.2.

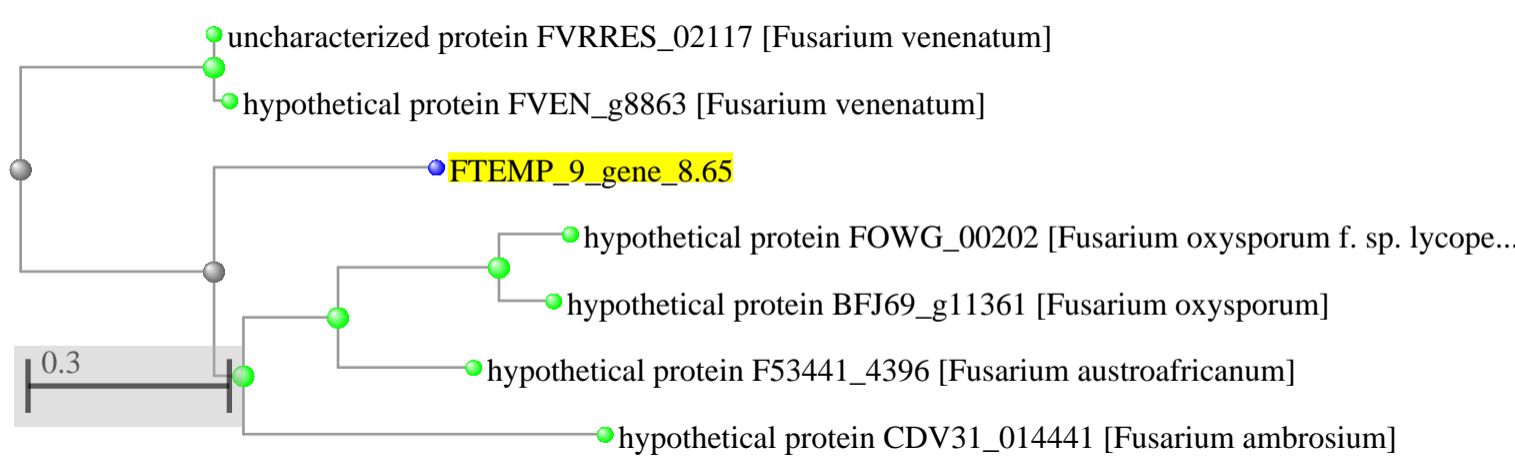
FTEMP_8_gene_4.70

hypothetical protein FNYG_05159 [Fusarium nygamai]

uncharacterized protein FFUJ_13944 [Fusarium fujiku...]

hypothetical protein CEK27_011680 [Fusarium fujiku...]

0.2



FTEMP_10_gene_5.111

related to VBA1-Vacuolar Basic Amino acid transporter [Fusarium proliferatu...]

related to VBA1-Vacuolar Basic Amino acid transporter [Fusarium fujikuroi]

uncharacterized protein FMAN_01969 [Fusarium mangiferae]

related to VBA1-Vacuolar Basic Amino acid transporter [Fusarium fujikuroi ...]

related to VBA1-Vacuolar Basic Amino acid transporter [Fusarium fujikuroi]

unnamed protein product [Fusarium fujikuroi]

unnamed protein product [Fusarium fujikuroi]

related to VBA1-Vacuolar Basic Amino acid transporter [Fusarium fujikuroi]

0.1

