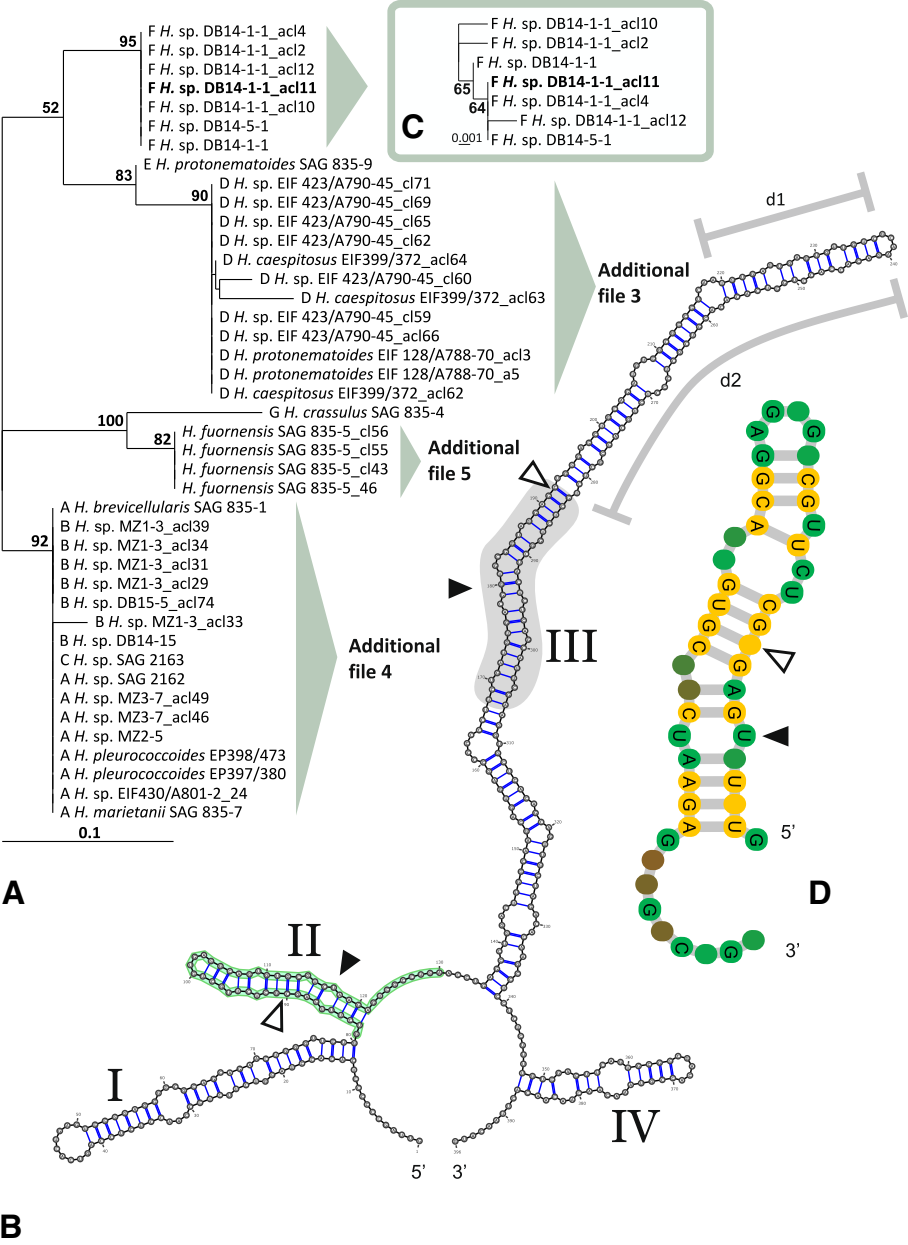
A
95
52
83
90
100
82
92
F H. sp. DB14-1-1_acl4
F H. sp. DB14-1-1_acl2
F H. sp. DB14-1-1_acl12
F H. sp. DB14-1-1_acl11
F H. sp. DB14-1-1_acl10
F H. sp. DB14-5-1
F H. sp. DB14-1-1
E H. protonematoides SAG 835-9
D H. sp. EIF 423/A790-45_cl71
D H. sp. EIF 423/A790-45_cl69
D H. sp. EIF 423/A790-45_cl65
D H. sp. EIF 423/A790-45_cl62
D H. caespitosus EIF399/372_acl64
D H. sp. EIF 423/A790-45_cl60
D H. caespitosus EIF399/372_acl63
D H. sp. EIF 423/A790-45_cl59
D H. sp. EIF 423/A790-45_acl66
D H. protonematoides EIF 128/A788-70_acl3
D H. protonematoides EIF 128/A788-70_a5
D H. caespitosus EIF399/372_acl62
G H. crassulus SAG 835-4
H. fuornensis SAG 835-5_cl56
H. fuornensis SAG 835-5_cl55
H. fuornensis SAG 835-5_cl43
H. fuornensis SAG 835-5_46
A H. brevicellularis SAG 835-1
B H. sp. MZ1-3_acl39
B H. sp. MZ1-3_acl34
B H. sp. MZ1-3_acl31
B H. sp. MZ1-3_acl29
B H. sp. DB15-5_acl74
B H. sp. MZ1-3_acl33
B H. sp. DB14-15
C H. sp. SAG 2163
A H. sp. SAG 2162
A H. sp. MZ3-7_acl49
A H. sp. MZ3-7_acl46
A H. sp. MZ2-5
A H. pleurococcoides EP398/473
A H. pleurococcoides EP397/380
A H. sp. EIF430/A801-2_24
A H. marietanii SAG 835-7
0.1
C
65
64
0.001
F H. sp. DB14-1-1_acl10
F H. sp. DB14-1-1_acl2
F H. sp. DB14-1-1
F H. sp. DB14-1-1_acl11
F H. sp. DB14-1-1_acl4
F H. sp. DB14-1-1_acl12
F H. sp. DB14-5-1
Additional file 3
Additional file 5
Additional file 4
d1
d2
III
II
I
IV
5'
3'
D
5'
3'
B