Annotate Small E coli ML Tree for the Paper

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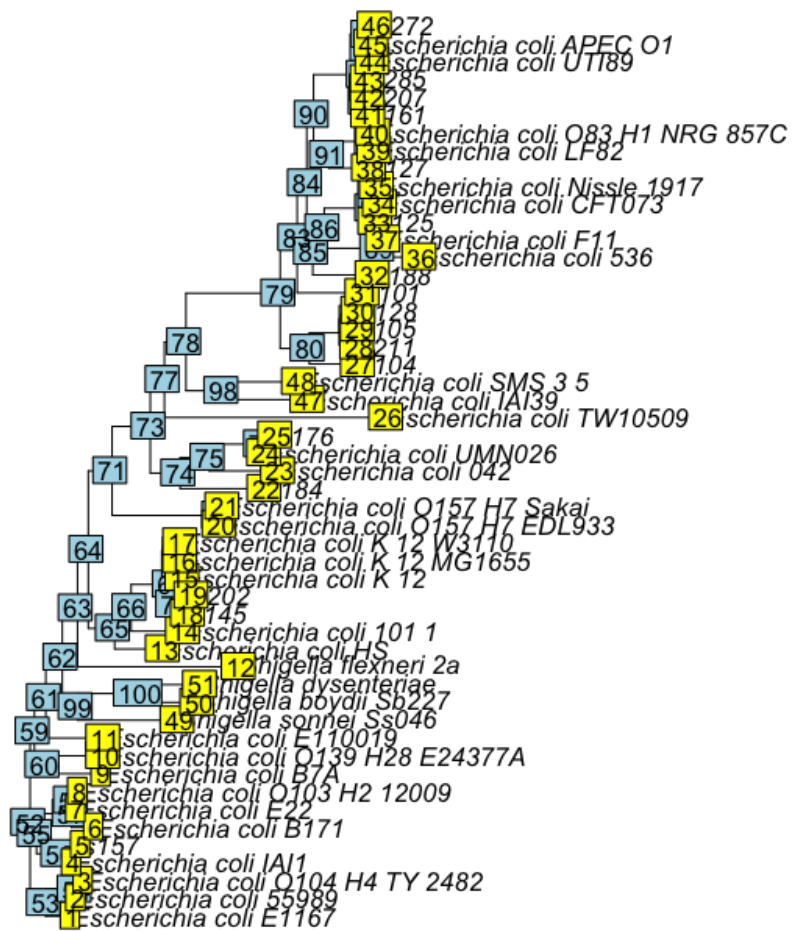
Fig 2 E coli tree

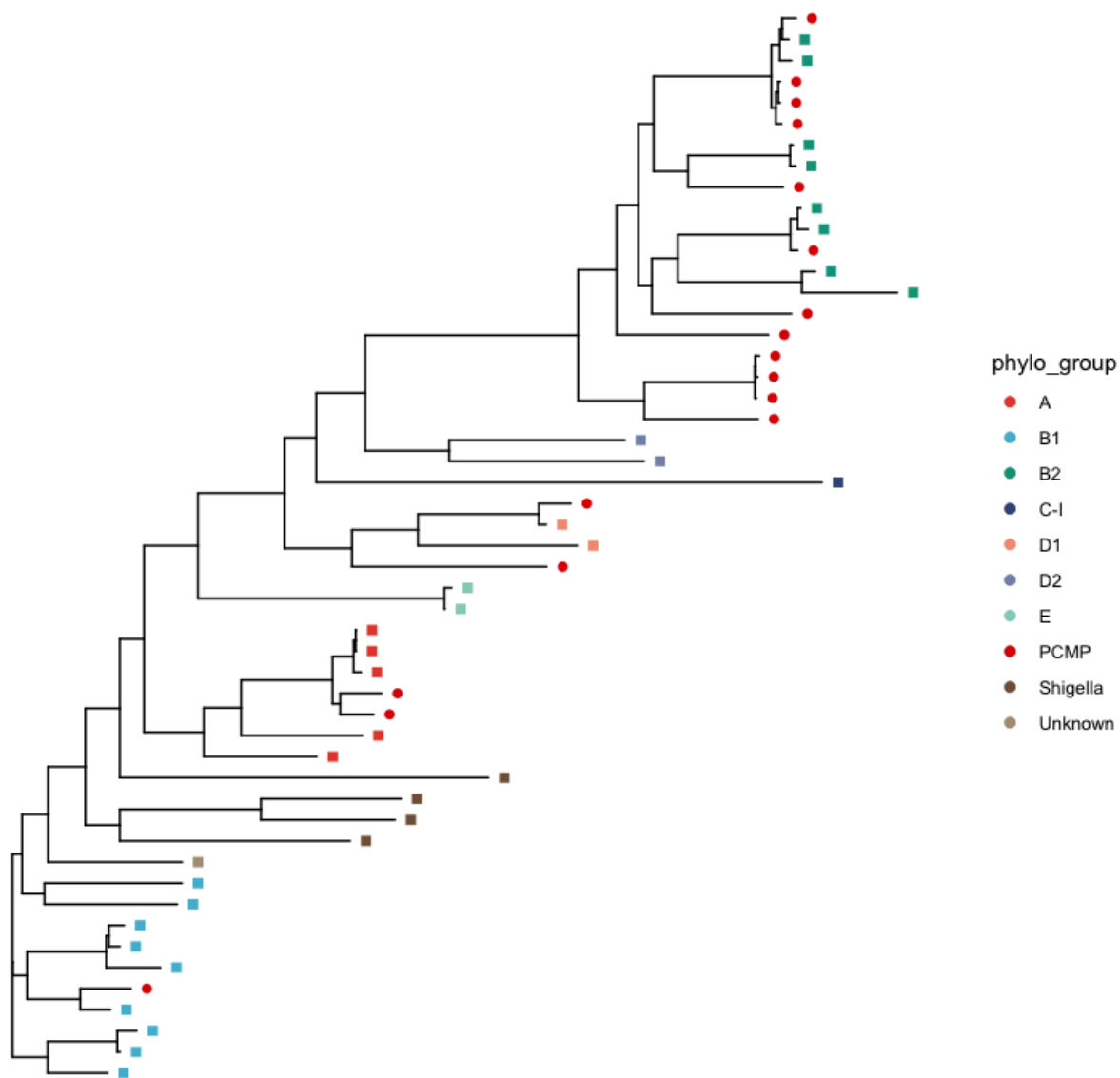### metadata

- read in 20171129_E.coli_strains_summary.tsv
- read in external-genomes-all-final.txt
- write 20180604_tree_dd.txt

reorder tip labels

- write to 20180714_ecoli_tree_tip_order.txt

46 272
45 scherichia coli APEC O1
44 scherichia coli UTI89
43 285
42 207
41 161
40 scherichia coli O83 H1 NRG 857C
39 scherichia coli LF82
38 27
35 scherichia coli Nissle 1917
34 scherichia coli CFT073
33 125
37 scherichia coli F11
36 scherichia coli 536
32 188
31 101
30 128
29 105
28 211
27 104
48 scherichia coli SMS 3 5
47 scherichia coli IAI39
26 scherichia coli TW10509
25 176
24 scherichia coli UMN026
23 scherichia coli 042
22 184
21 scherichia coli O157 H7 Sakai
20 scherichia coli O157 H7 EDL933
17 scherichia coli K 12 W3110
16 scherichia coli K 12 MG1655
15 scherichia coli K 12
19 202
18 145
14 scherichia coli 101 1
13 scherichia coli HS
12 shigella flexneri 2a
51 shigella dysenteriae
50 shigella boydii Sb227
49 shigella sonnei Ss046
11 scherichia coli E110019
10 scherichia coli O139 H28 E24377A
9 Escherichia coli B7A
8 Escherichia coli O103 H2 12009
7 scherichia coli E22
6 Escherichia coli B171
5 157
4 scherichia coli IAI1
3 Escherichia coli O104 H4 TY 2482
2 scherichia coli 55989
1 Escherichia coli E1167

2

Reference:

[1] The evolution of the Escherichia coli phylogeny, Fig 4.

[2] The Pangenome Structure of Escherichia coli: comparative genomic analysis of E.coli Commensal and Pathogenic Isolates, Table 2 (Rasko D)

Table Time

E. coli

- read in 20171120_Ecoli.txt and Ecoli_stat_genes_in_contigs.txt

- write 20171204_table_Ecoli.txt

E. faecalis

- read in 20171117_Efaecalis.txt and Efaecalis_stat_genes_in_contigs.txt
- write 20171204_table_Efaecalis.txt

B. vulgatus

- read in 20171122_Bvulgatus.txt and Bvulgatus_stat_genes_in_contigs.txt
- write 20171204_table_Bvulgatus.txt