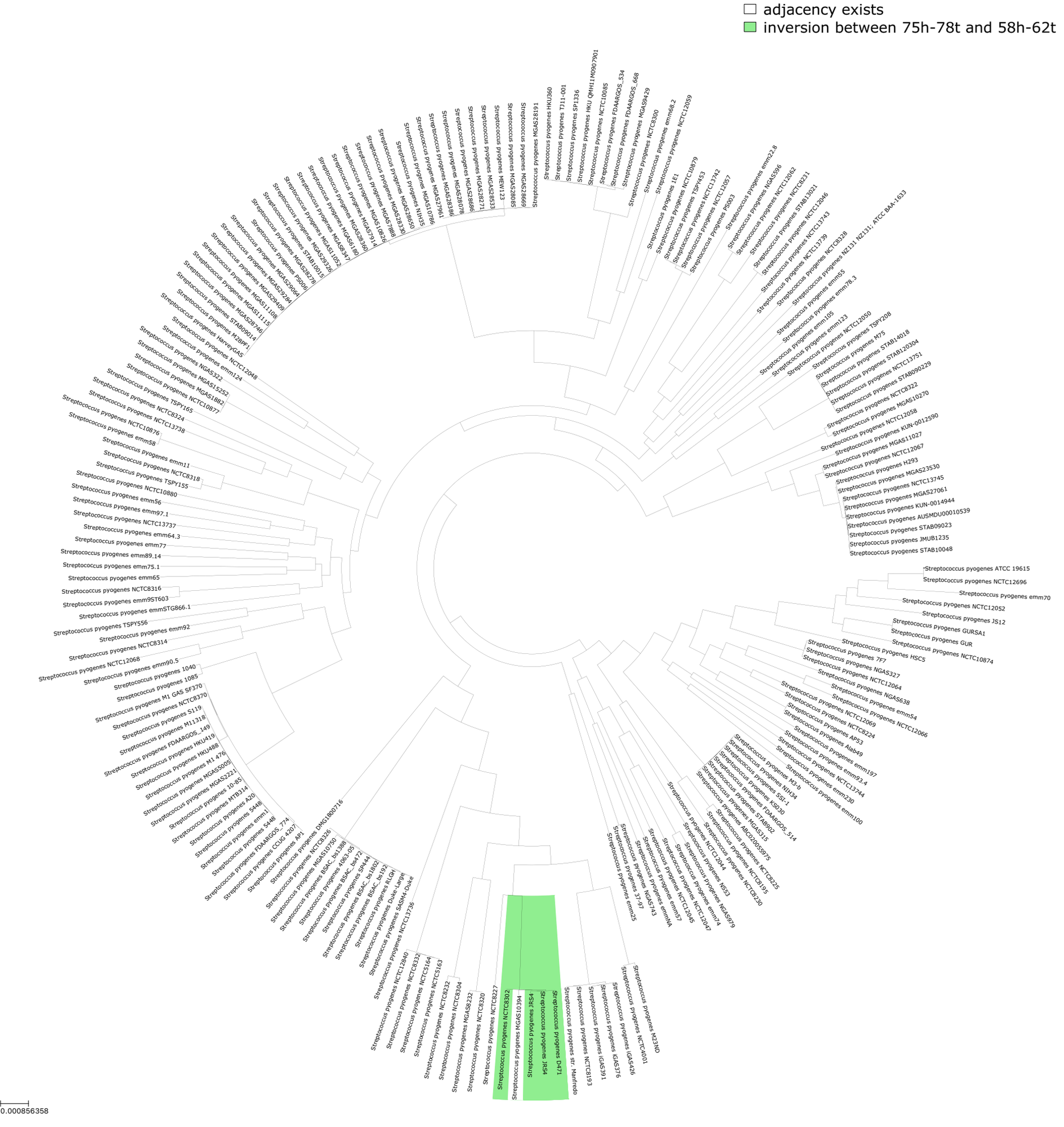
adjacency exists
inversion between 75h-78t and 58h-62t
Streptococcus pyogenes MGAS28191
Streptococcus pyogenes HKU360
Streptococcus pyogenes TJ11-001
Streptococcus pyogenes SP1336
Streptococcus pyogenes HKU QMH11M0907901
Streptococcus pyogenes NCTC10085
Streptococcus pyogenes FDAARGOS_534
Streptococcus pyogenes FDAARGOS_668
Streptococcus pyogenes MGAS9429
Streptococcus pyogenes NCTC8300
Streptococcus pyogenes emm68.2
Streptococcus pyogenes NCTC12059
Streptococcus pyogenes 1E1
Streptococcus pyogenes NCTC10879
Streptococcus pyogenes TSPY453
Streptococcus pyogenes NCTC13742
Streptococcus pyogenes NCTC12057
Streptococcus pyogenes PSI003
Streptococcus pyogenes emm22.8
Streptococcus pyogenes NGAS596
Streptococcus pyogenes NCTC12062
Streptococcus pyogenes NCTC8231
Streptococcus pyogenes STAB13021
Streptococcus pyogenes NCTC12046
Streptococcus pyogenes NCTC13743
Streptococcus pyogenes NCTC13739
Streptococcus pyogenes NCTC8328
Streptococcus pyogenes NZ131 NZ131; ATCC BAA-1633
Streptococcus pyogenes emm55
Streptococcus pyogenes emm78.3
Streptococcus pyogenes emm.105
Streptococcus pyogenes emm123
Streptococcus pyogenes NCTC12050
Streptococcus pyogenes TSPY208
Streptococcus pyogenes W75
Streptococcus pyogenes STAB14018
Streptococcus pyogenes STAB120304
Streptococcus pyogenes NCTC13751
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Streptococcus pyogenes NCTC8322
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Streptococcus pyogenes MGAS11027
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Streptococcus pyogenes H293
Streptococcus pyogenes MGAS23530
Streptococcus pyogenes NCTC13745
Streptococcus pyogenes MGAS27061
Streptococcus pyogenes KUN-0014944
Streptococcus pyogenes AUSMDU00010539
Streptococcus pyogenes STAB09023
Streptococcus pyogenes JMUB1235
Streptococcus pyogenes STAB10048
Streptococcus pyogenes ATCC 19615
Streptococcus pyogenes NCTC12696
Streptococcus pyogenes emm70
Streptococcus pyogenes NCTC12052
Streptococcus pyogenes JS12
Streptococcus pyogenes GURSA1
Streptococcus pyogenes GUR
Streptococcus pyogenes NCTC10874
Streptococcus pyogenes HSC5
Streptococcus pyogenes 7F7
Streptococcus pyogenes NGAS327
Streptococcus pyogenes NCTC12064
Streptococcus pyogenes NGAS638
Streptococcus pyogenes emm54
Streptococcus pyogenes NCTC12066
Streptococcus pyogenes NCTC12069
Streptococcus pyogenes NCTC8224
Streptococcus pyogenes AP53
Streptococcus pyogenes Alab49
Streptococcus pyogenes emm197
Streptococcus pyogenes emm93.4
Streptococcus pyogenes NCTC13744
Streptococcus pyogenes emm230
Streptococcus pyogenes emm100
Streptococcus pyogenes M3-b
Streptococcus pyogenes NIH34
Streptococcus pyogenes SSI-1
Streptococcus pyogenes ISO30
Streptococcus pyogenes FDAARGOS_514
Streptococcus pyogenes STAB802
Streptococcus pyogenes MGAS315
Streptococcus pyogenes ABC02055975
Streptococcus pyogenes NCTC8225
Streptococcus pyogenes NCTC8195
Streptococcus pyogenes NCTC8230
Streptococcus pyogenes NCTC12044
Streptococcus pyogenes NS53
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Streptococcus pyogenes emm74
Streptococcus pyogenes NCTC12047
Streptococcus pyogenes NCTC12045
Streptococcus pyogenes emm57
Streptococcus pyogenes emmNA
Streptococcus pyogenes NGAS743
Streptococcus pyogenes 37-97
Streptococcus pyogenes emm25
Streptococcus pyogenes NCTC4001
Streptococcus pyogenes M23ND
Streptococcus pyogenes IGAS426
Streptococcus pyogenes IGAS376
Streptococcus pyogenes IGAS391
Streptococcus pyogenes NCTC8193
Streptococcus pyogenes str. Manfredo
Streptococcus pyogenes D471
Streptococcus pyogenes JRS4
Streptococcus pyogenes JRS4
Streptococcus pyogenes MGAS10394
Streptococcus pyogenes NCTC8302
Streptococcus pyogenes NCTC8227
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Streptococcus pyogenes NCTC8332
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Streptococcus pyogenes NCTC13736
Streptococcus pyogenes SASM4-Duke
Streptococcus pyogenes Duke-Large
Streptococcus pyogenes RLGH
Streptococcus pyogenes BSAC_bs192
Streptococcus pyogenes SP444
Streptococcus pyogenes BSAC_bs472
Streptococcus pyogenes 4063-05
Streptococcus pyogenes BSAC_bs1388
Streptococcus pyogenes MGAS10750
Streptococcus pyogenes NCTC8326
Streptococcus pyogenes DMG1800716
Streptococcus pyogenes AP1
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Streptococcus pyogenes CCUG 4207
Streptococcus pyogenes 5448
Streptococcus pyogenes emm1
Streptococcus pyogenes A20
Streptococcus pyogenes MTB314
Streptococcus pyogenes 10-85
Streptococcus pyogenes MGAS2221
Streptococcus pyogenes MGAS5005
Streptococcus pyogenes M1 476
Streptococcus pyogenes HKU488
Streptococcus pyogenes HKU419
Streptococcus pyogenes FDAARGOS_149
Streptococcus pyogenes M11318
Streptococcus pyogenes S119
Streptococcus pyogenes NCTC8370
Streptococcus pyogenes M1 GAS SF370
Streptococcus pyogenes 1085
Streptococcus pyogenes 1040
Streptococcus pyogenes emm90.5
Streptococcus pyogenes NCTC12068
Streptococcus pyogenes NCTC8314
Streptococcus pyogenes emm92
Streptococcus pyogenes TSPY556
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Streptococcus pyogenes emm9ST603
Streptococcus pyogenes NCTC8316
Streptococcus pyogenes emm65
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Streptococcus pyogenes emm77
Streptococcus pyogenes emm64.3
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Streptococcus pyogenes emm56
Streptococcus pyogenes NCTC10880
Streptococcus pyogenes TSPY155
Streptococcus pyogenes NCTC8318
Streptococcus pyogenes emm11
Streptococcus pyogenes emm58
Streptococcus pyogenes NCTC10876
Streptococcus pyogenes NCTC13738
Streptococcus pyogenes NCTC8324
Streptococcus pyogenes TSPY165
Streptococcus pyogenes NCTC10877
Streptococcus pyogenes MGAS1882
Streptococcus pyogenes MGAS15252
Streptococcus pyogenes NGAS322
Streptococcus pyogenes emm124
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Streptococcus pyogenes M28PF1
Streptococcus pyogenes STAB09014
Streptococcus pyogenes MGAS28746
Streptococcus pyogenes MGAS11115
Streptococcus pyogenes MGAS11108
Streptococcus pyogenes MGAS29409
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Streptococcus pyogenes MGAS28278
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Streptococcus pyogenes NIH35
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Streptococcus pyogenes MGAS28078
Streptococcus pyogenes MGAS28686
Streptococcus pyogenes MGAS28271
Streptococcus pyogenes MGAS28533
Streptococcus pyogenes MEW123
Streptococcus pyogenes MGAS28085
Streptococcus pyogenes MGAS28669
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