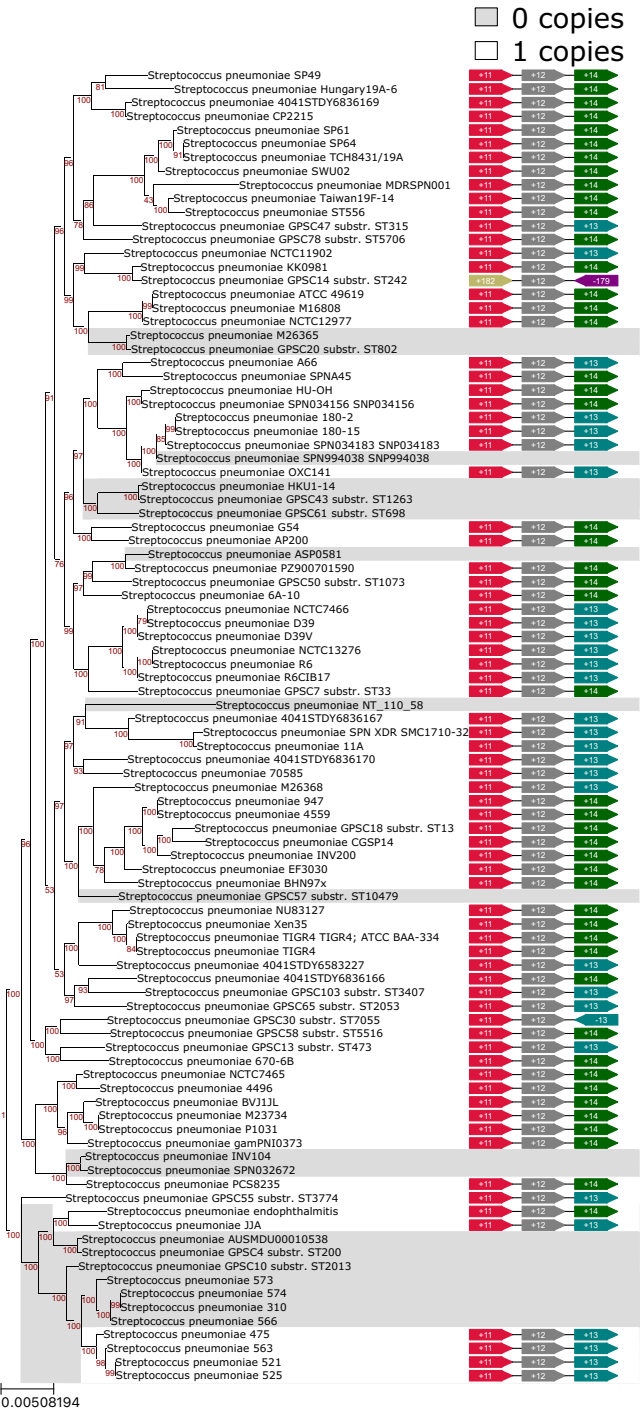
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Streptococcus pneumoniae SP49
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Streptococcus pneumoniae 4041STDY6836169
Streptococcus pneumoniae CP2215
Streptococcus pneumoniae SP61
Streptococcus pneumoniae SP64
Streptococcus pneumoniae TCH8431/19A
Streptococcus pneumoniae SWU02
Streptococcus pneumoniae MDRSPN001
Streptococcus pneumoniae Taiwan19F-14
Streptococcus pneumoniae STS56
Streptococcus pneumoniae GPSC47 substr. ST315
Streptococcus pneumoniae GPSC78 substr. ST5706
Streptococcus pneumoniae NCTC11902
Streptococcus pneumoniae KK0981
Streptococcus pneumoniae GPSC14 substr. ST242
Streptococcus pneumoniae ATCC 49619
Streptococcus pneumoniae M16808
Streptococcus pneumoniae NCTC12977
Streptococcus pneumoniae M26365
Streptococcus pneumoniae GPSC20 substr. ST802
Streptococcus pneumoniae A66
Streptococcus pneumoniae SPNA45
Streptococcus pneumoniae HU-OH
Streptococcus pneumoniae SPN034156 SNP034156
Streptococcus pneumoniae 180-2
Streptococcus pneumoniae 180-15
Streptococcus pneumoniae SPN034183 SNP034183
Streptococcus pneumoniae SPN994038 SNP994038
Streptococcus pneumoniae OXC141
Streptococcus pneumoniae HKU1-14
Streptococcus pneumoniae GPSC43 substr. ST1263
Streptococcus pneumoniae GPSC61 substr. ST698
Streptococcus pneumoniae G54
Streptococcus pneumoniae AP200
Streptococcus pneumoniae ASP0581
Streptococcus pneumoniae PZ900701590
Streptococcus pneumoniae GPSC50 substr. ST1073
Streptococcus pneumoniae 6A-10
Streptococcus pneumoniae NCTC7466
Streptococcus pneumoniae D39
Streptococcus pneumoniae D39V
Streptococcus pneumoniae NCTC13276
Streptococcus pneumoniae R6
Streptococcus pneumoniae R6CIB17
Streptococcus pneumoniae GPSC7 substr. ST33
Streptococcus pneumoniae NT_110_58
Streptococcus pneumoniae 4041STDY6836167
Streptococcus pneumoniae SPN XDR SMC1710-32
Streptococcus pneumoniae 11A
Streptococcus pneumoniae 4041STDY6836170
Streptococcus pneumoniae 70585
Streptococcus pneumoniae M26368
Streptococcus pneumoniae 947
Streptococcus pneumoniae 4559
Streptococcus pneumoniae GPSC18 substr. ST13
Streptococcus pneumoniae CGSP14
Streptococcus pneumoniae INV200
Streptococcus pneumoniae EF3030
Streptococcus pneumoniae BHN97x
Streptococcus pneumoniae GPSC57 substr. ST10479
Streptococcus pneumoniae NU83127
Streptococcus pneumoniae Xen35
Streptococcus pneumoniae TIGR4 TIGR4; ATCC BAA-334
Streptococcus pneumoniae TIGR4
Streptococcus pneumoniae 4041STDY6583227
Streptococcus pneumoniae 4041STDY6836166
Streptococcus pneumoniae GPSC103 substr. ST3407
Streptococcus pneumoniae GPSC65 substr. ST2053
Streptococcus pneumoniae GPSC30 substr. ST7055
Streptococcus pneumoniae GPSC58 substr. ST5516
Streptococcus pneumoniae GPSC13 substr. ST473
Streptococcus pneumoniae 670-6B
Streptococcus pneumoniae NCTC7465
Streptococcus pneumoniae 4496
Streptococcus pneumoniae BVJ1JL
Streptococcus pneumoniae M23734
Streptococcus pneumoniae P1031
Streptococcus pneumoniae gamPNI0373
Streptococcus pneumoniae INV104
Streptococcus pneumoniae SPN032672
Streptococcus pneumoniae PCS8235
Streptococcus pneumoniae GPSC55 substr. ST3774
Streptococcus pneumoniae endophthalmitis
Streptococcus pneumoniae JJA
Streptococcus pneumoniae AUSMDU00010538
Streptococcus pneumoniae GPSC4 substr. ST200
Streptococcus pneumoniae GPSC10 substr. ST2013
Streptococcus pneumoniae 573
Streptococcus pneumoniae 574
Streptococcus pneumoniae 310
Streptococcus pneumoniae 566
Streptococcus pneumoniae 475
Streptococcus pneumoniae 563
Streptococcus pneumoniae 521
Streptococcus pneumoniae 525
+11
+12
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+13
+182
-179
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