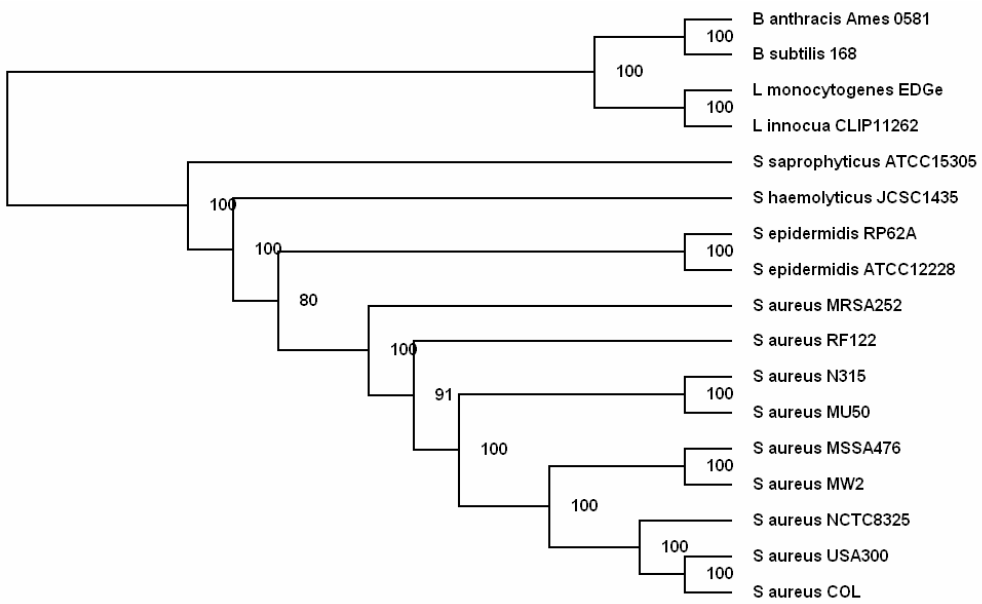
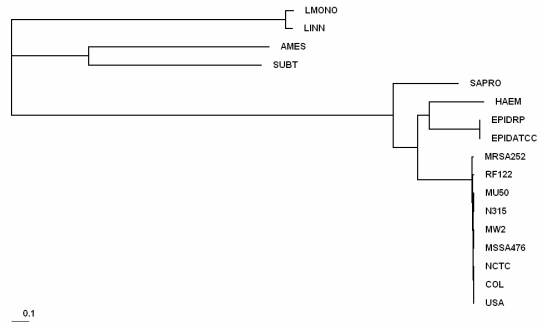
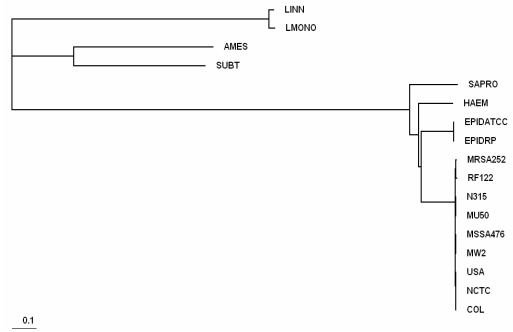


A

741 core genes: NJ, 100x replicates, Kimura

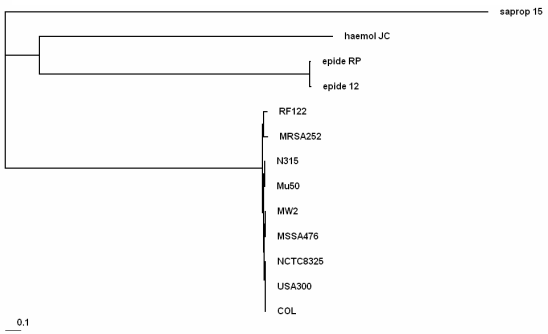


741 core genes : ML, JTT, 4C, gamma

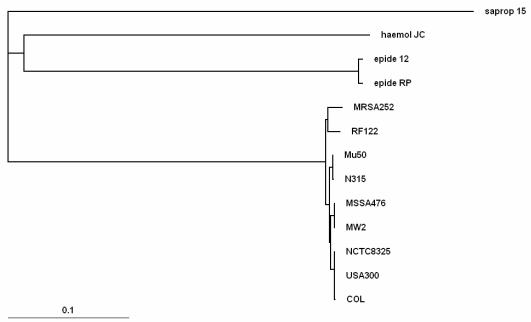


741 core genes : NJ, JTT, 4C, gamma

Whole Genome : ML, 4C, gamma

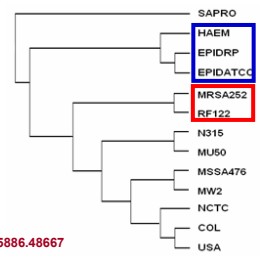


Whole Genome : NJ, JC, 4C, gamma



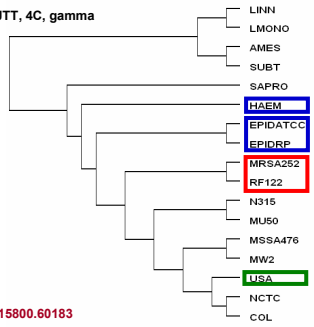
B

Whole Genome : NJ, ML



Ln (4C, JTT, g) = -2115886.48667

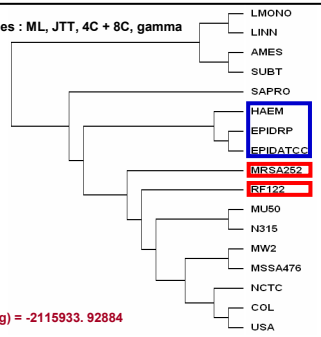
741 core genes : NJ, JTT, 4C, gamma



Ln (4C, JTT, g) = -2115800.60183

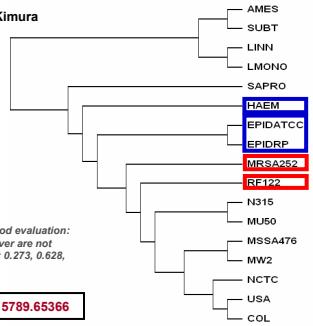
** TreePuzzle Best, (using JTT, 4C, gamma, core gene alignment)*

741 core genes : ML, JTT, 4C + 8C, gamma



Ln (4C, JTT, g) = -2115933. 92884

741 core genes : NJ, Kimura



Best tree by PROML likelihood evaluation: the other 3 topologies however are not significantly worse (P-value: 0.273, 0.628, 0.157 respectively).

Ln (4C, JTT, g) = -2115789.65366

C