Documentation of the R package epiphylo

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A pathogen has an effective within-host population size of $N_e = 100$ and a generation time g = 1 day, so that the within-host coalescent rate is $N_e g = 100/365$ years. The basic reproduction number is R = 1. To following command simulates an outbreak of this pathogen:

> simu <- simulateOutbreak(R=1,neg=100/365)</pre>

This simulation contains both the transmission tree between infected hosts and the within-host phlogenetic tree of each host. This can be visualised as a colored phlogenetic tree, where each host is represented by a unique color:

> plotBothTree(simu)

