1 Supplementary Information
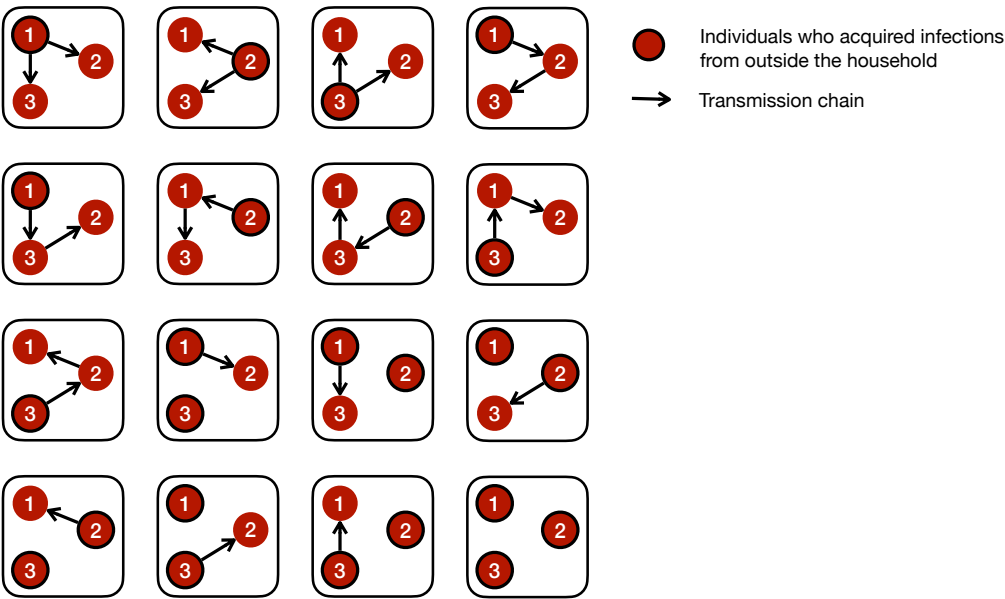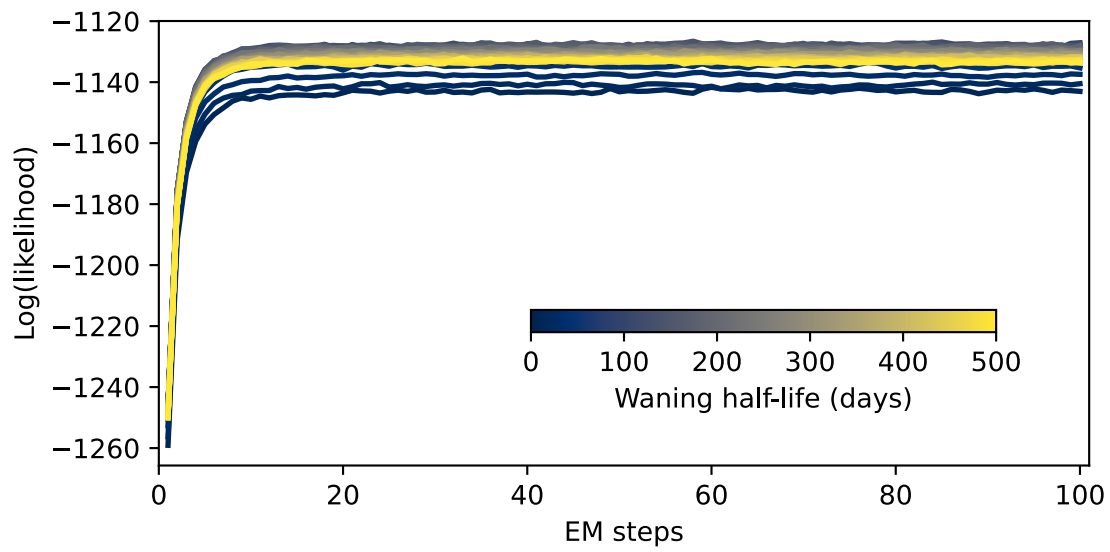

Supplementary Fig. 1: Visualization of all 16 possible transmission chains within a household of 3 infected individuals.
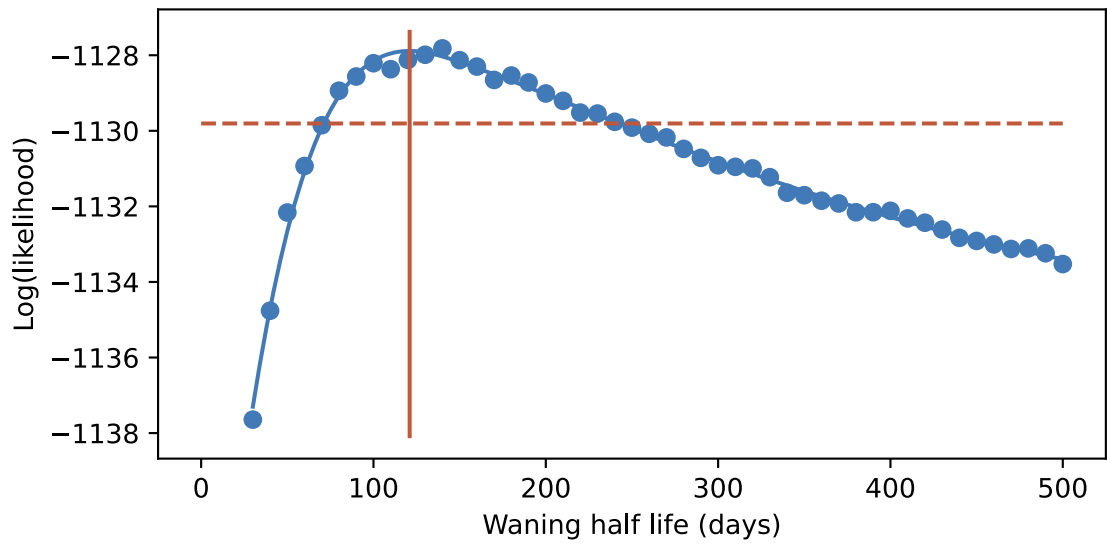
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Supplementary Fig. 2: The log-likelihood of the transmission model fit as a function of the EM steps.

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Supplementary Fig. 3: The profile log-likelihood of the transmission model over hyper-parameter of waning half-life. Solid vertical line indicates the waning half-life corresponding to maximum of the profile likelihood. Dashed horizontal line represent 1.92 below the maximum profile likelihood.