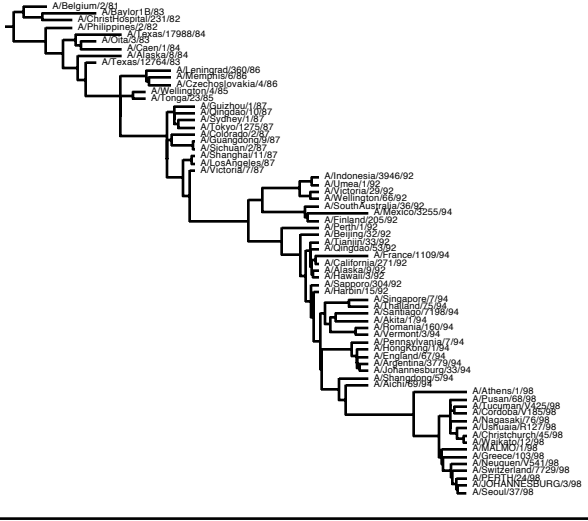
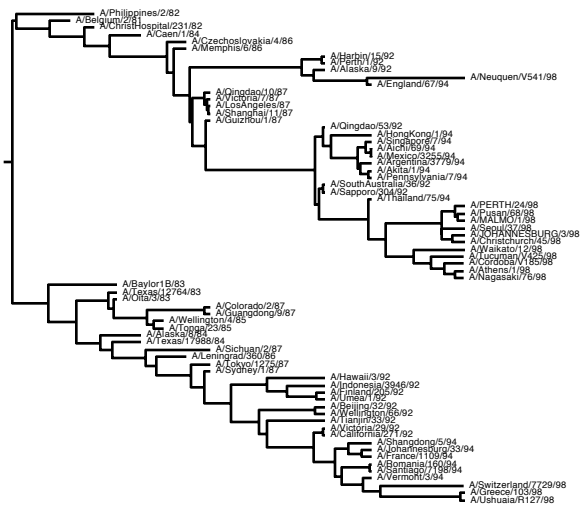
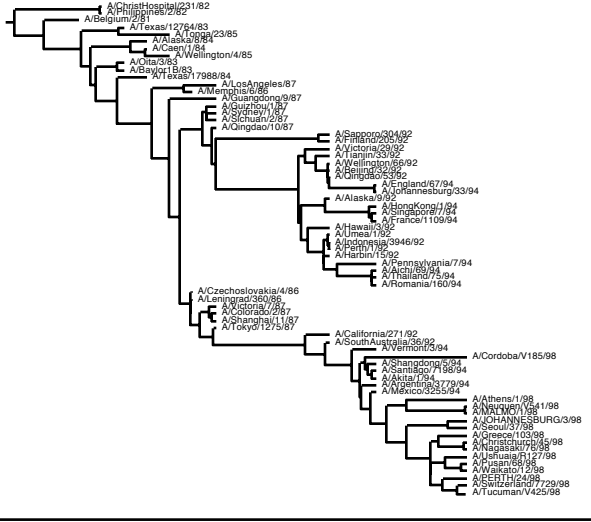
A. posterior distribution



B. predictive distribution