



Figure 1: **Illustration of the signal strength in the *env* datasets for an exponential or logistic demographic history.** The dashed line marks the boundary at which the logBF between the best model and the model of constant population size is  $>5$ . Each column represents a separate transmission chain. Red:  $\log\text{BF} < 5$ . Green:  $\log\text{BF} > 5$ .