

# Inferring macroevolutionary dynamics of extinct clades: a test using ‘bird-hipped’ dinosaurs (Ornithischia)

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Evolution, June 22, 2019, Providence, RI



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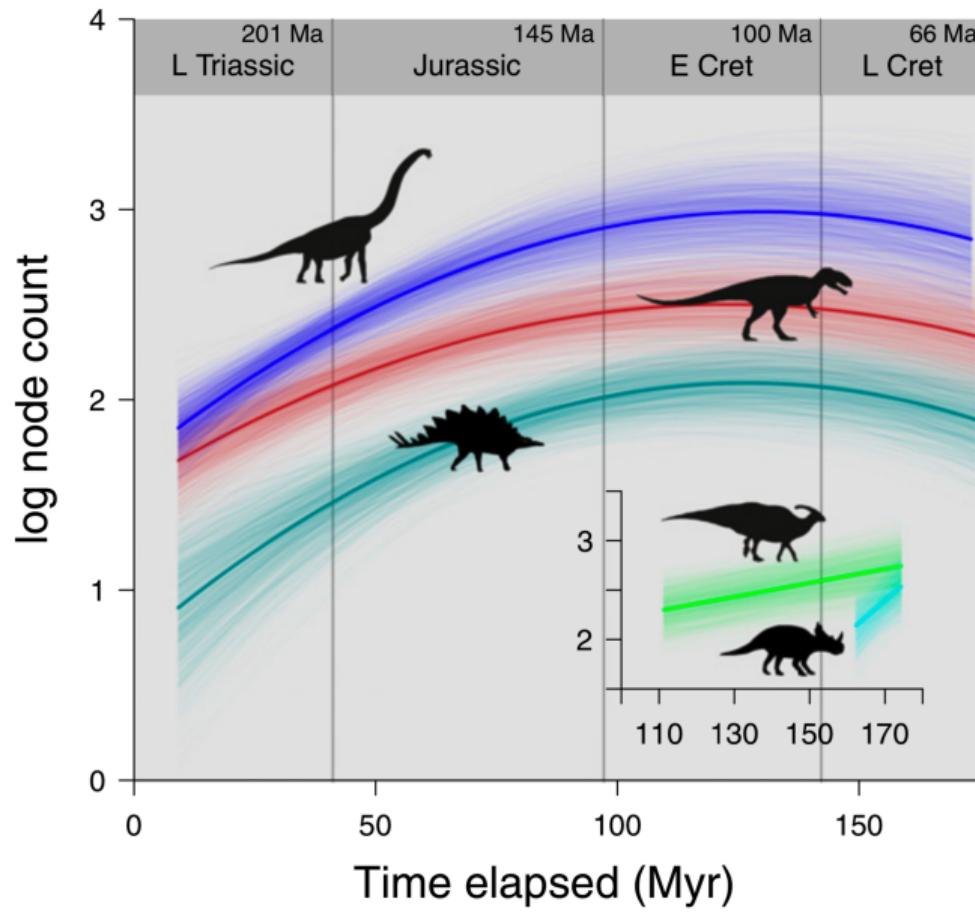


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University of Chicago





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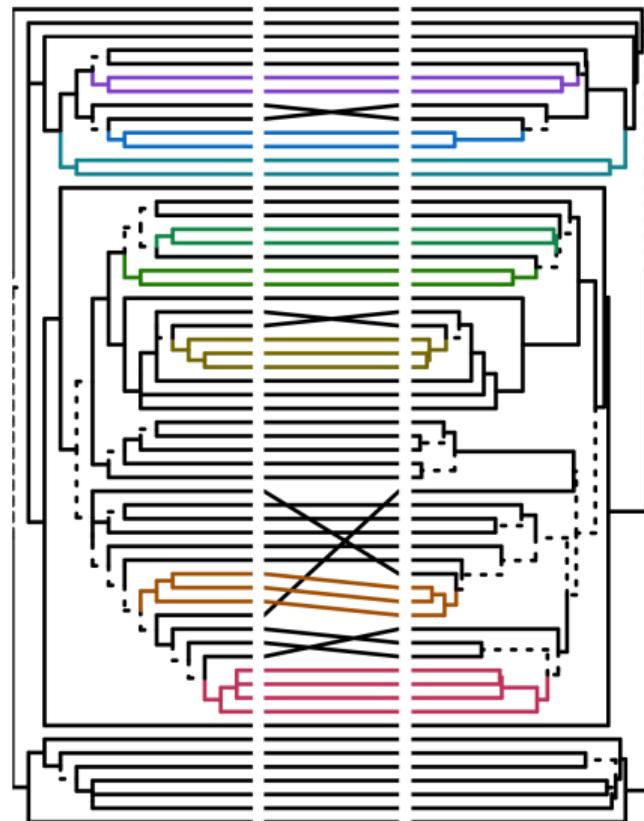


Modified from Sakamoto et al. 2016, Figure 2

**Han et al. 2017**

TNT reduced cons.

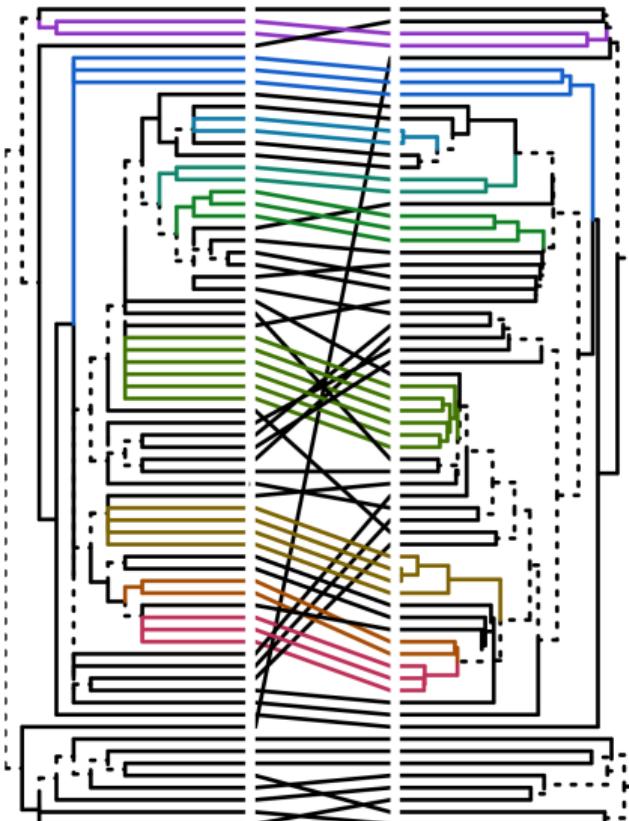
BEAST 2 MCC



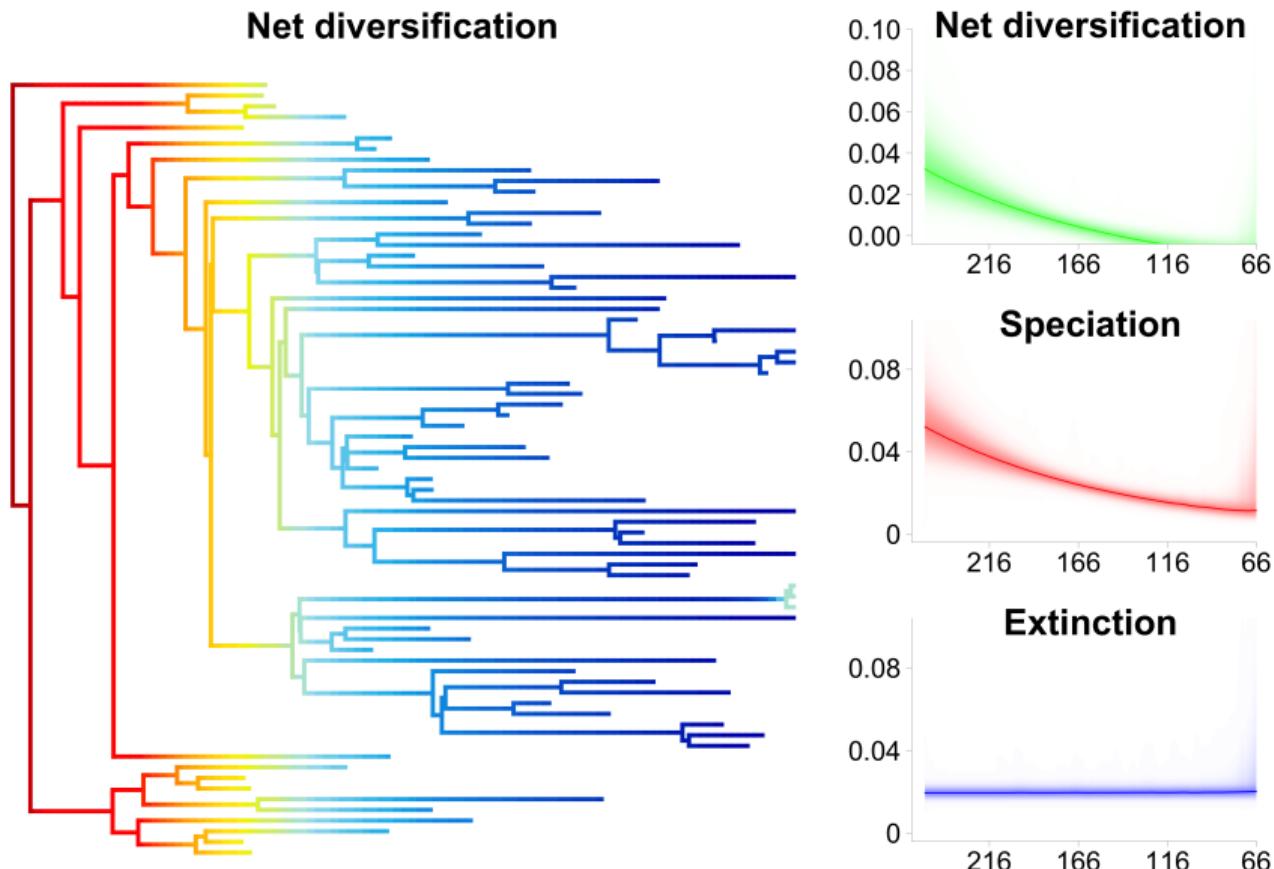
**Madzia et al. 2018**

TNT strict cons.

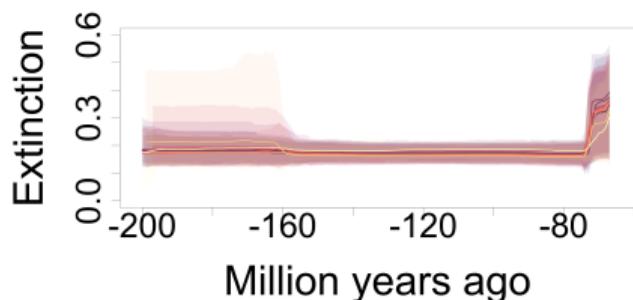
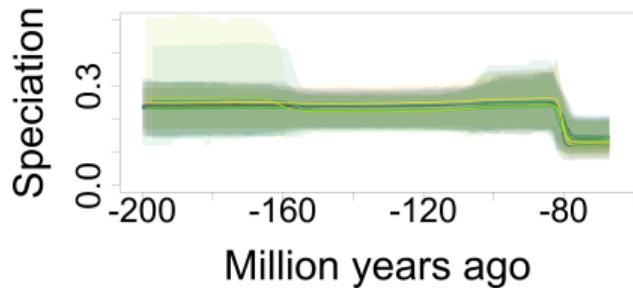
BEAST 2 MCC

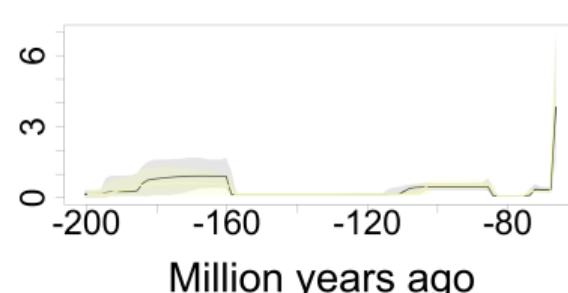
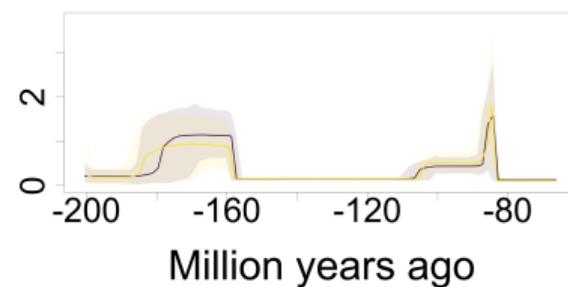
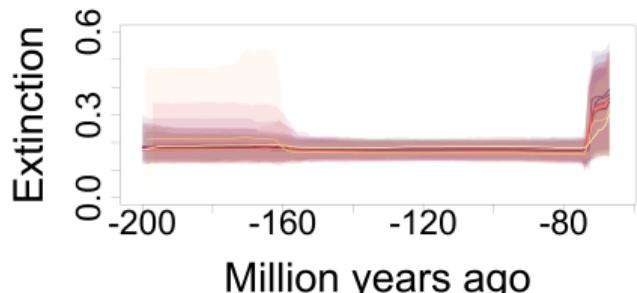
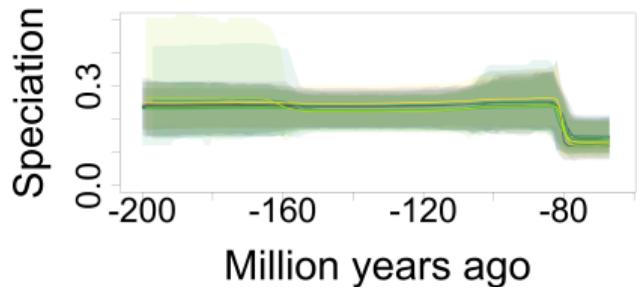
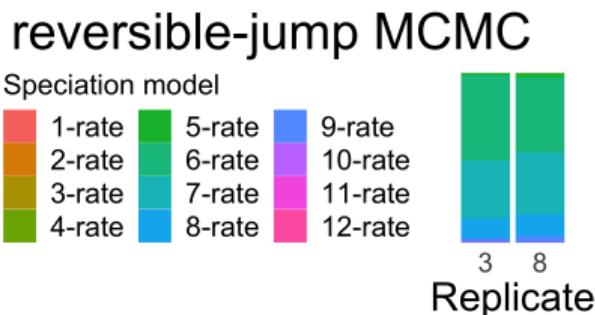
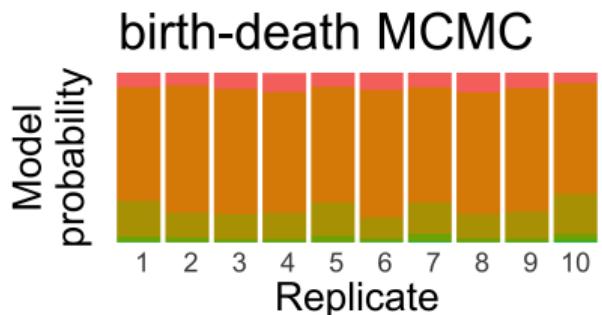


# Madzia et al. 2018

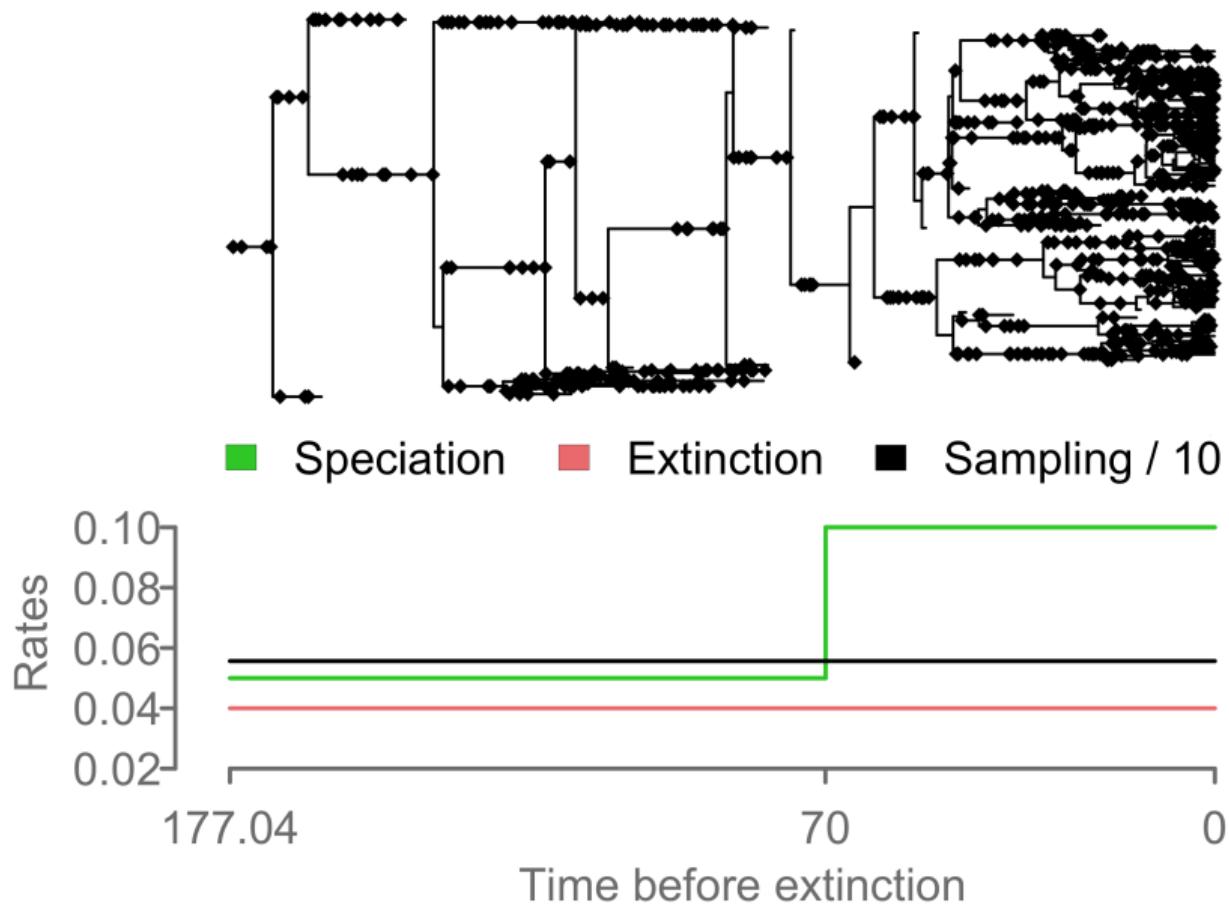


# birth-death MCMC

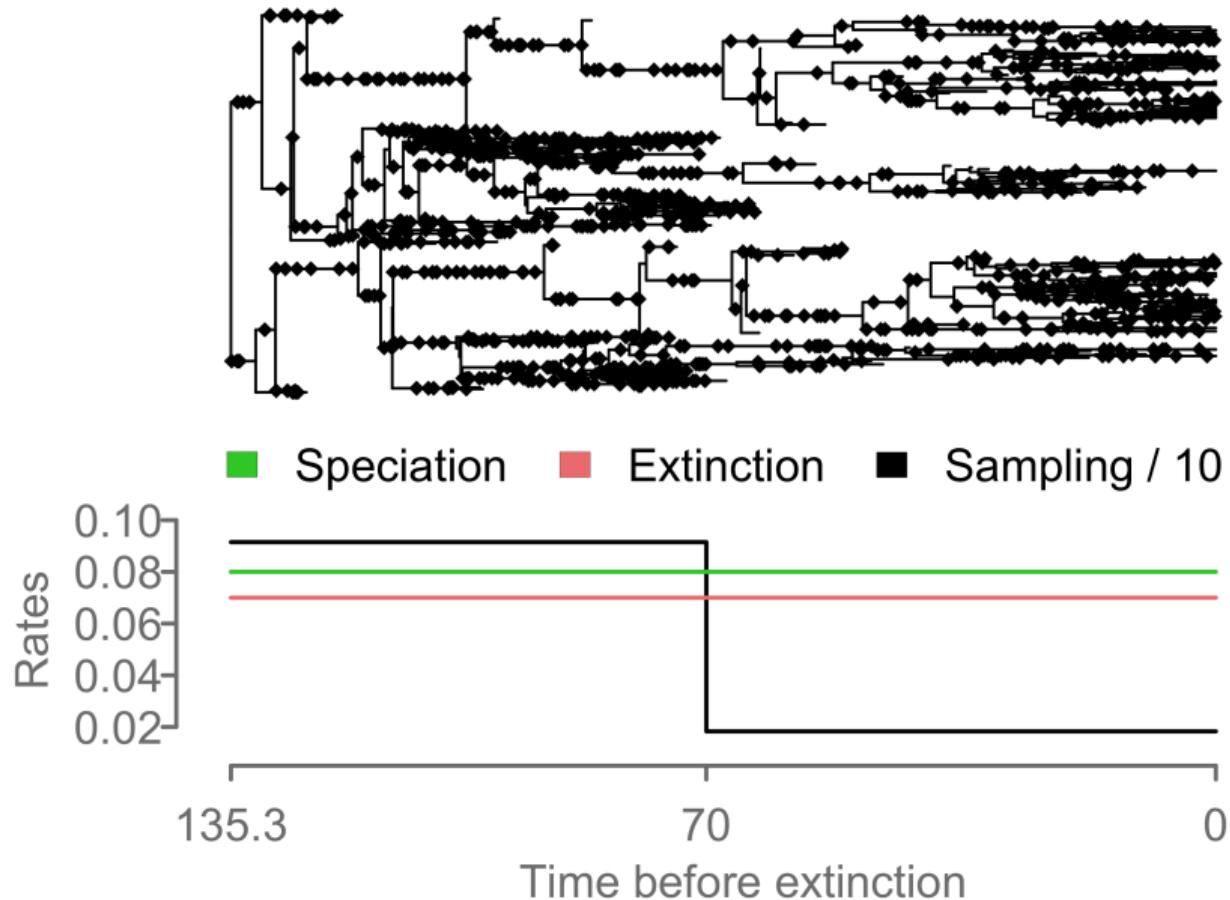


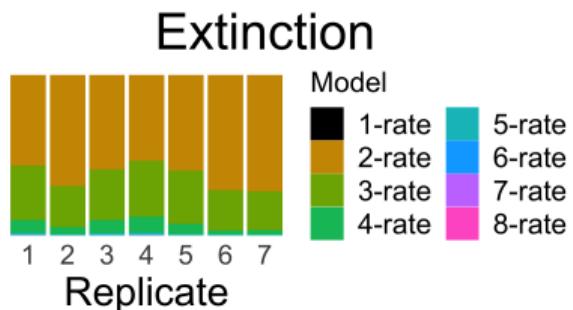
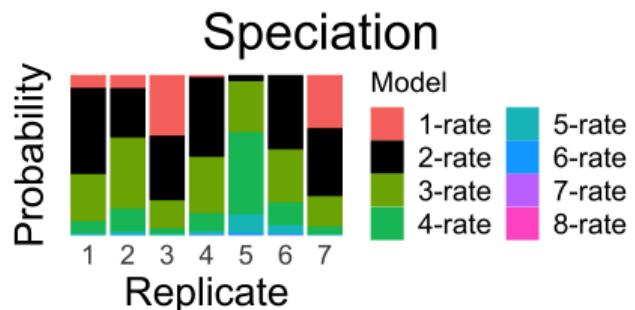


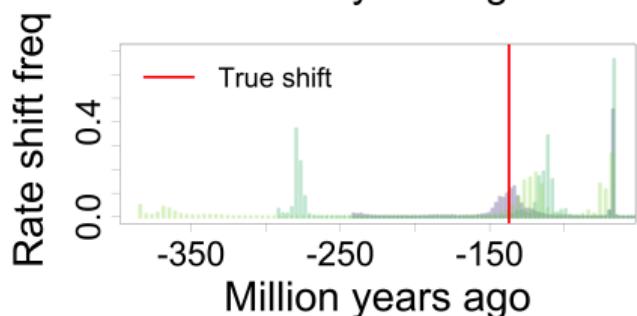
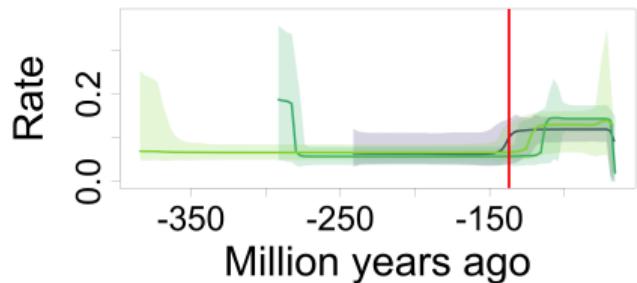
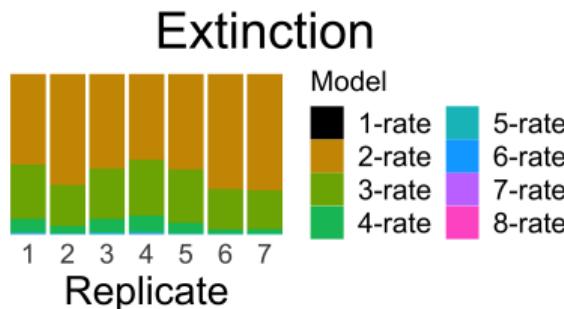
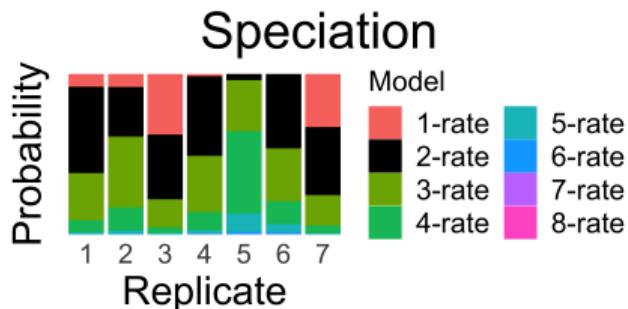
# Scenario 1

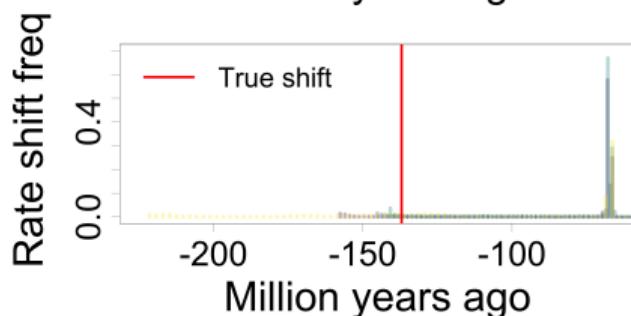
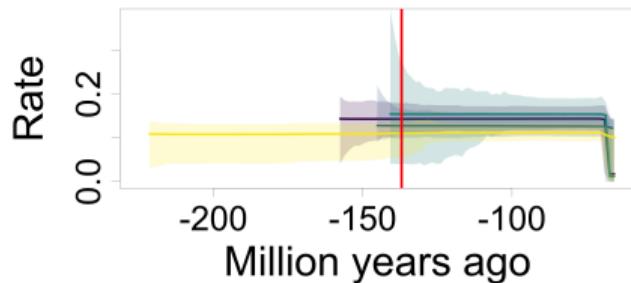
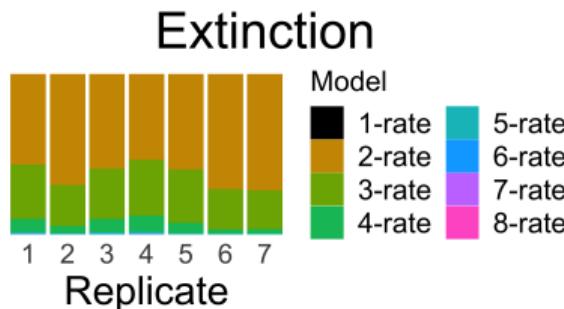
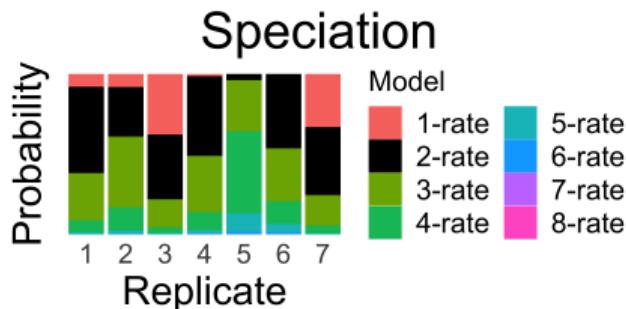


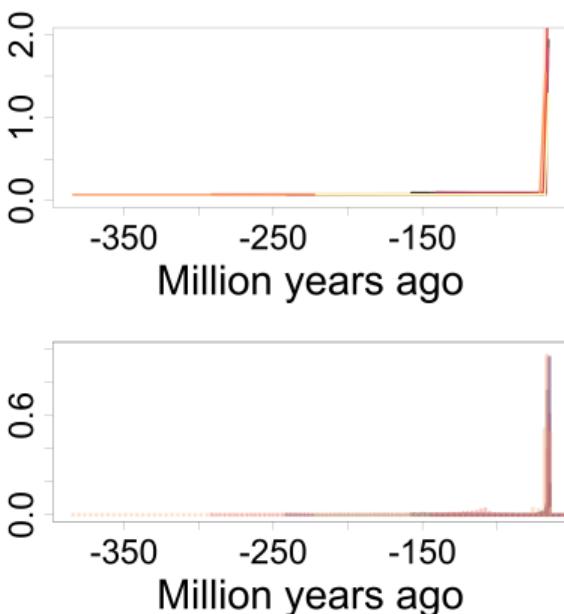
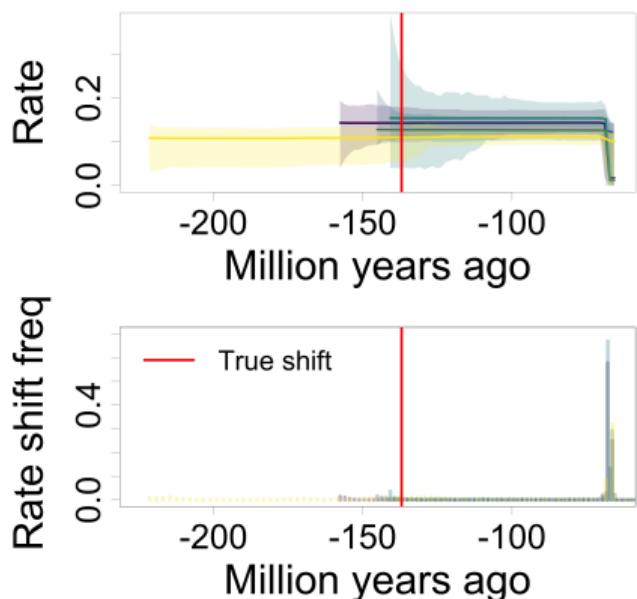
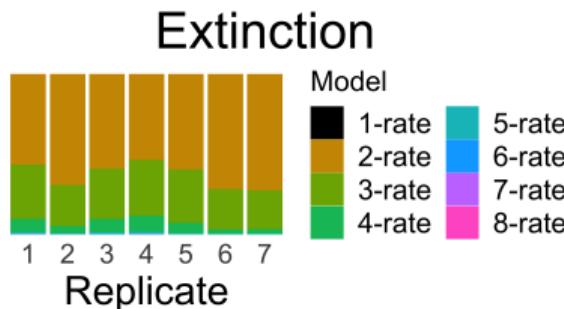
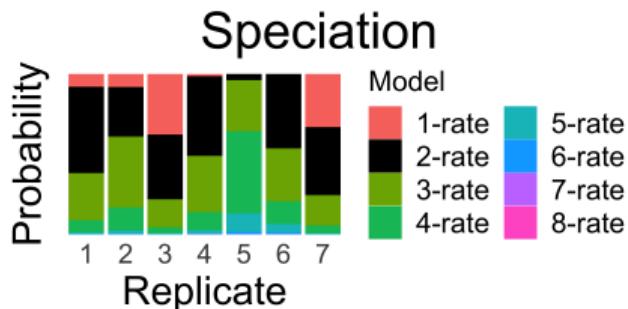
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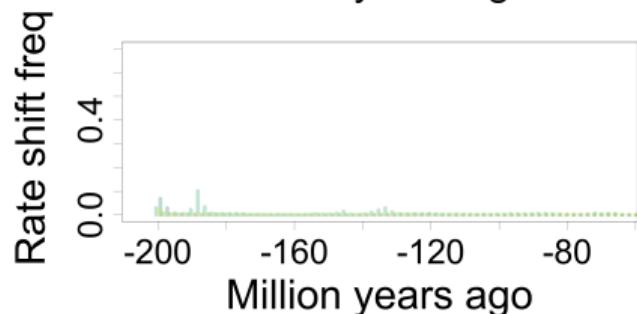
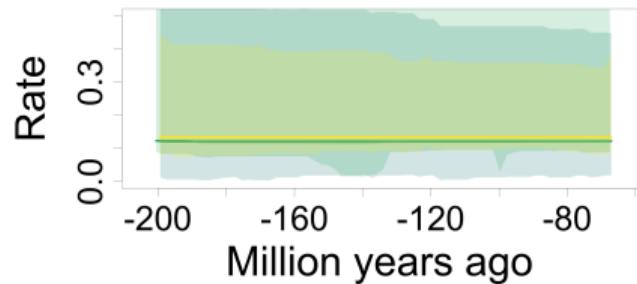
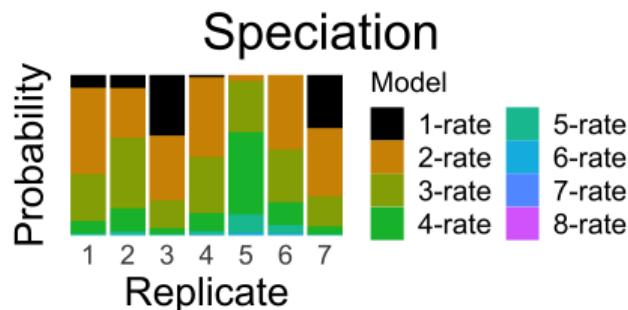


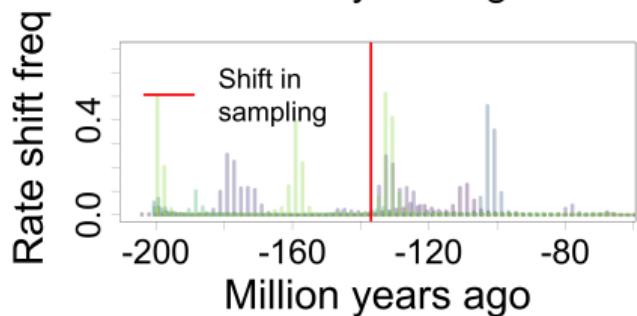
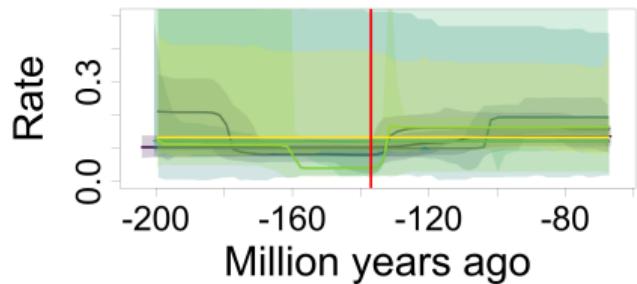
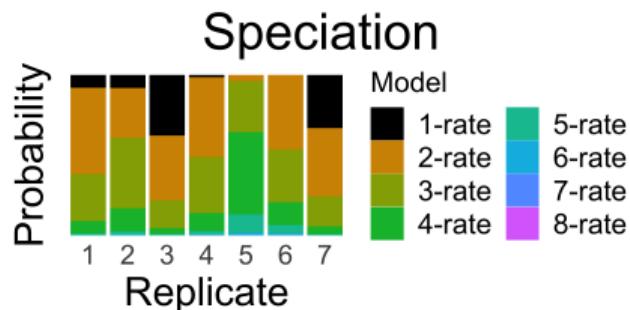


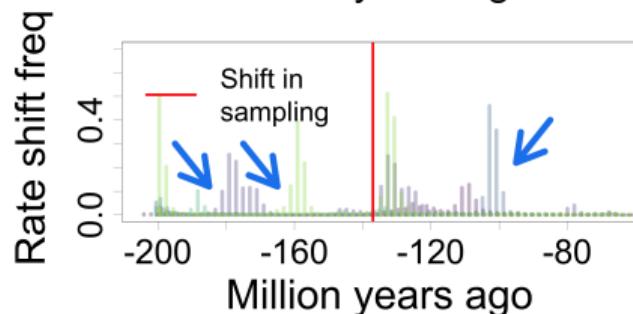
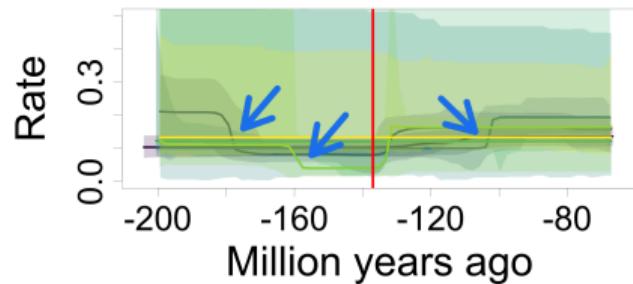
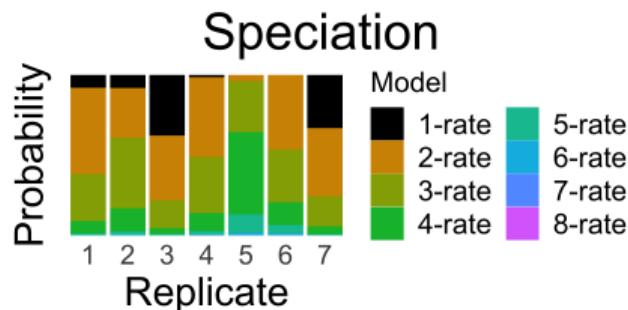


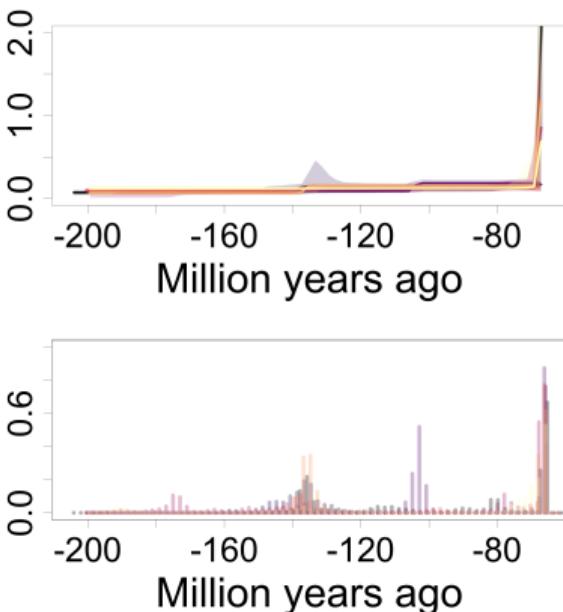
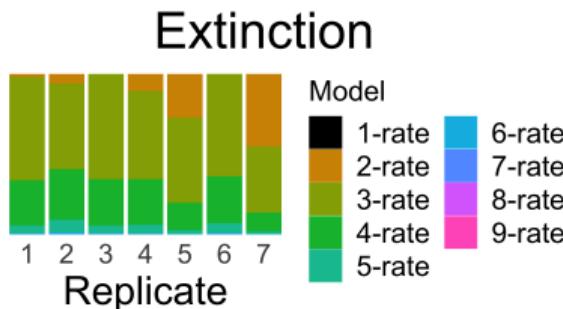
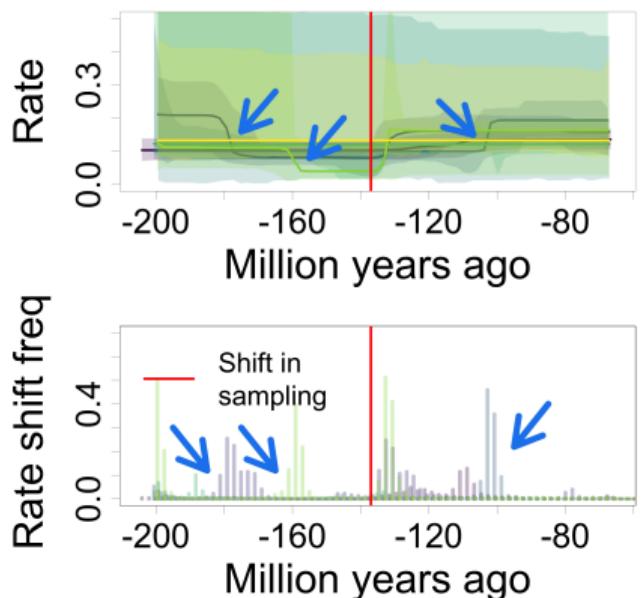
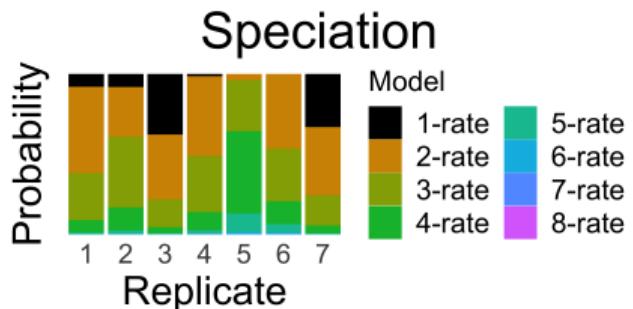




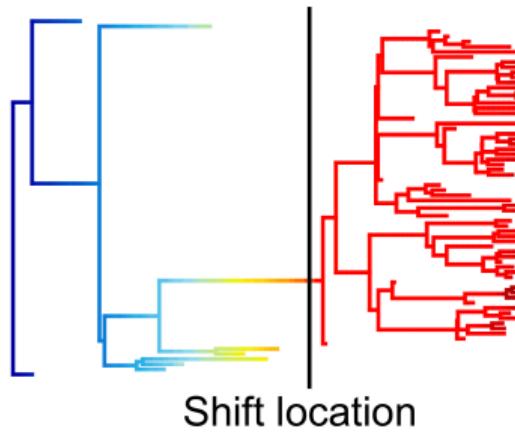




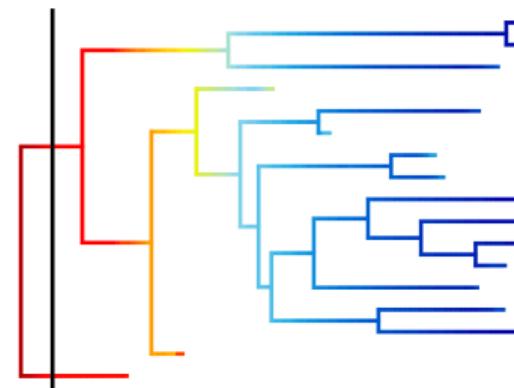
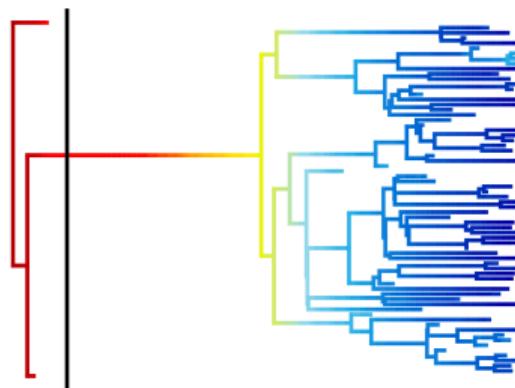
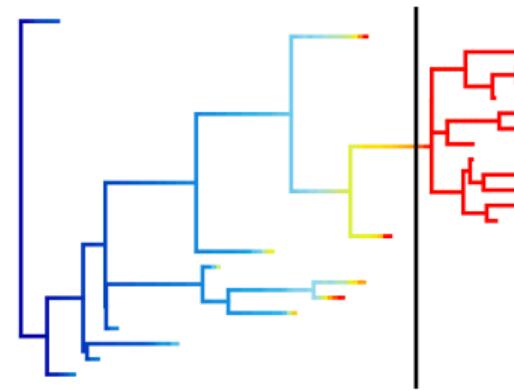




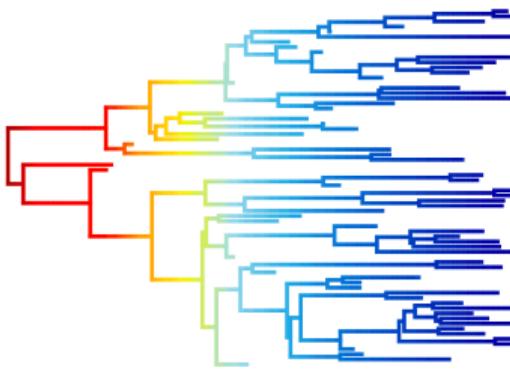
70 tips



Fractional subsampling



70 tips



Fractional subsampling

