Determining the risk of hemiplasy in the presence of incomplete lineage sorting and introgression

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HeIST: github.com/mhibbins/HeIST

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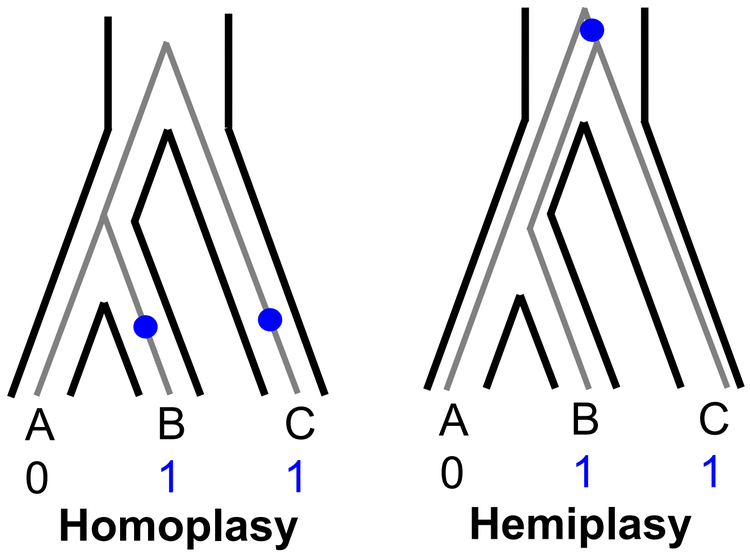
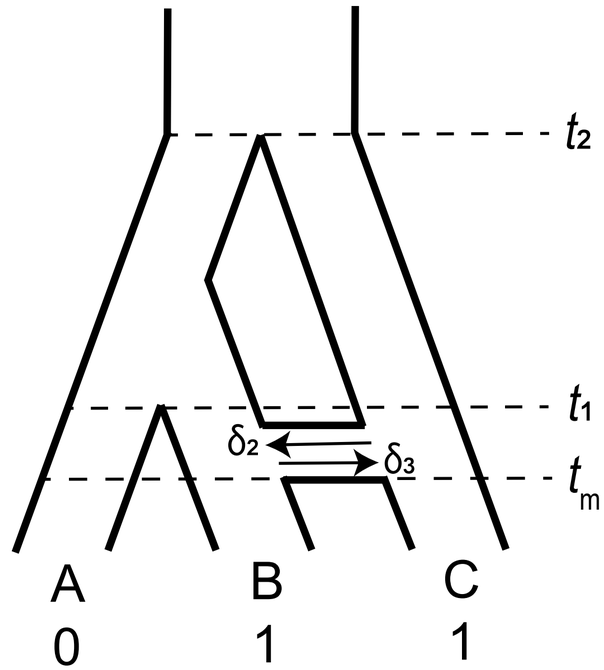
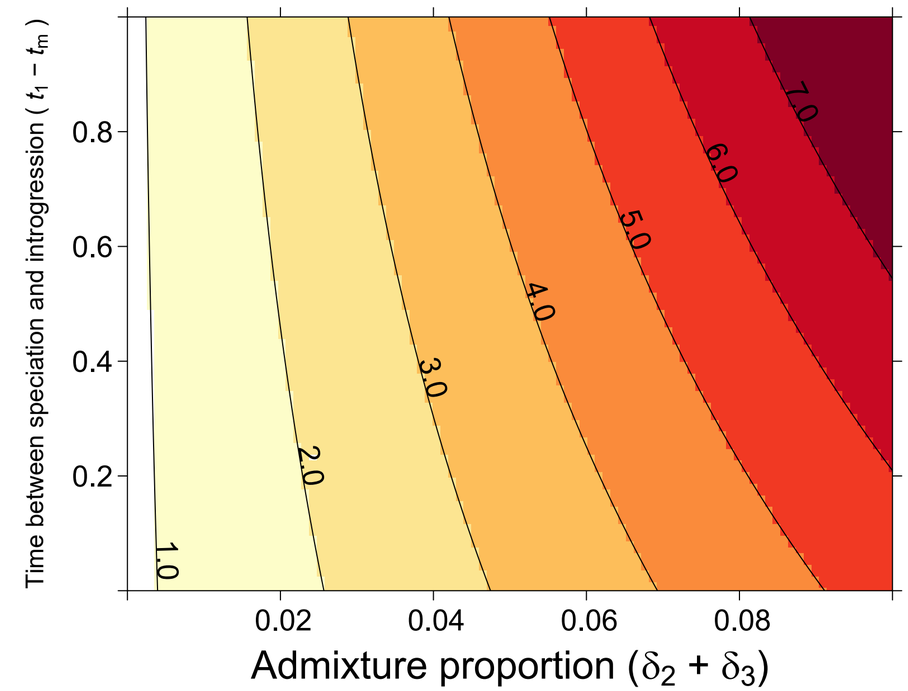
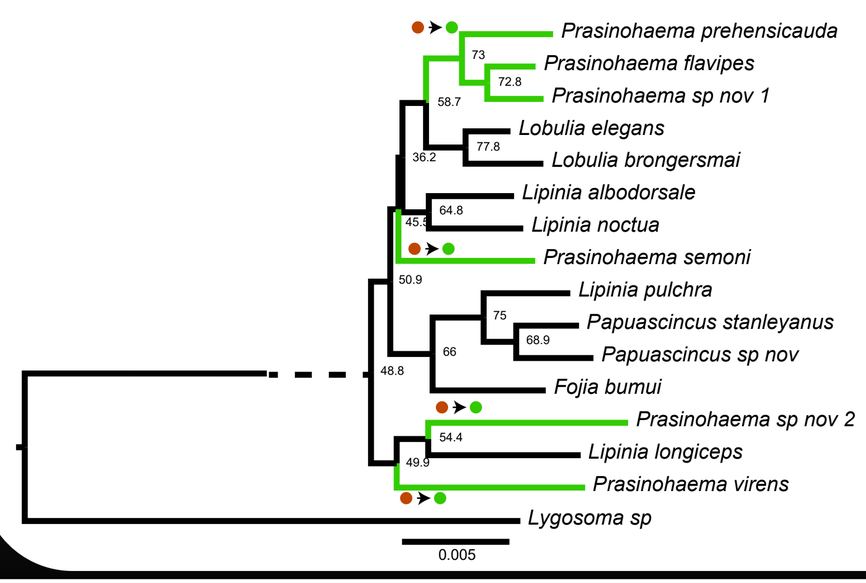
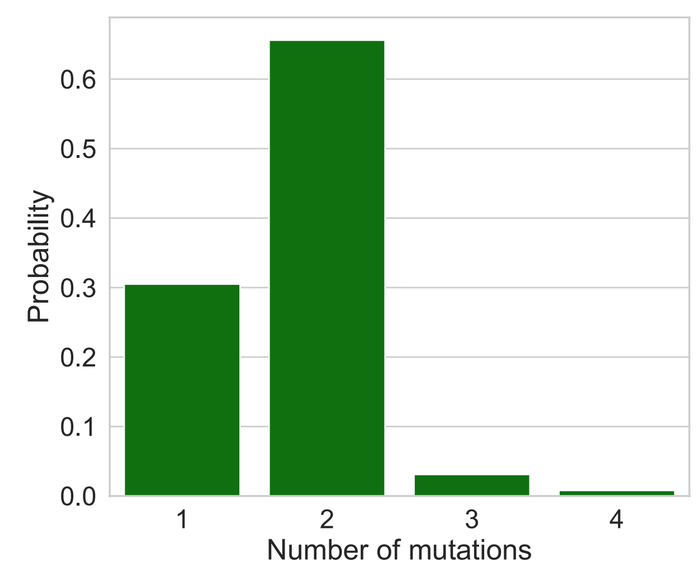
What is hemiplasy?



- Biological causes of discordance are incomplete lineage sorting and introgression
- How should discordance due to introgression influence the risk of hemiplasy?
- How to assess the probability of hemiplasy in larger phylogenies where an analytical solution is not feasible?

Introgression increases the risk of hemiplasy over ILS alone





Generating probability distributions for hemiplasy in green-blooded lizards with *HeIST* (Hemiplasy Inference Simulation Tool)