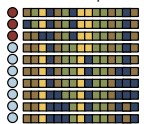
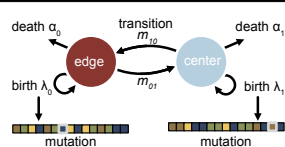


A.

Cell state + sequences

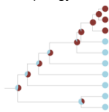


State-Dependent Evolutionary Model (SDevo)



Output

• Tree topology + timing

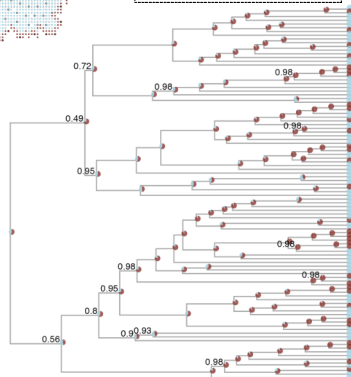
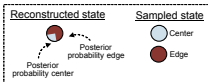
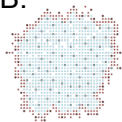


• Ancestral state reconstruction

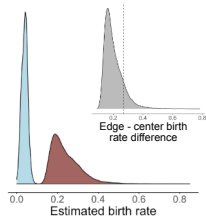
• Parameter estimation

$\lambda_e, \lambda_c, \alpha_e, \alpha_c, m_{01}, m_{10}$

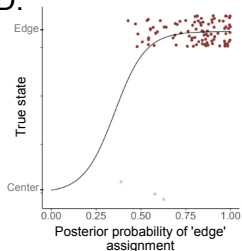
B.



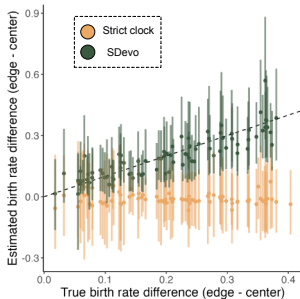
C.



D.



E.



F.

