## Speciation (PyRate\_Inputs\_2\_RJMCMC\_Grj\_mcmc) 0.20 0.25 0.20 0.15 Frequency of rate shift 0.15 Speciation rate 0.10 0.10 0.05 0.05 0.00 0.00 -160 -100 -140 -120 -100 -80 -160 -140 -120 -80 Time Time **Extinction** 1.0 0.8 9 Frequency of rate shift 9.0 Extinction rate 0.4 7 0.2 0.0 0 -160 -140 -120 -100 -80 -160 -140 -120 -100 -80 Time Time Longevity Net diversification 100 80 -2 9 longevity Net Mean 40 20 9 0 -160 -140 -120 -100 -80 -160 -140 -100 -80 -120 Time Time