Speciation (PyRate_Inputs_2_RJMCMC_Grj_mcmc) 0.30 3.0 0.25 2.5 0.20 Frequency of rate shift 2.0 Speciation rate 0.15 1.5 0.10 1.0 0.05 0.5 0.00 0.0 -85 -80 -75 -70 -85 -80 -75 -70 Time Time **Extinction** 3.0 0.20 2.5 0.15 2.0 Frequency of rate shift Extinction rate 1.5 0.10 1.0 0.05 0.5 0.00 0.0 -80 -70 -85 -75 -70 -85 -80 -75 Time Time Longevity **Net diversification** 20 $^{\circ}$ 15 Mean longevity 10 2 7 -85 -80 -75 -70 -85 -80 -75 -70 Time Time