



**Figure 2. Drivers of Neotropical diversification.** The histograms report the proportion of **(a)** phylogenies and **(b)** species whose diversification rates are best explained by a model with constant, time-dependent, temperature-dependent, or uplift-dependent diversification. The number of phylogenies (and species) per group is shown in parentheses. Constant diversification models find most support when whole Neotropical tetrapod and plant phylogenies are considered, while temperature-dependent models find most support considering total species richness.