



Figure 5. Diversification responses to the Andean uplift. (a) Mean altitudinal variation of the Andes through time as compiled in (Lagomarsino et al., 2016). The curves in (b-d) represent diversification rates of each of the 17 clades of plants (b), squamates (c) and amphibians (d) that best support an uplift-dependent diversification model. Diversification rates of Neotropical plants tend to increase with the uplift of the Andes, while Neotropical squamates and amphibians show contrasting responses (increases and decreases) to Andean uplift. Bird and mammal clades do not support an uplift-dependent model.