Figure 1. Four steps in the ancestral condition test. A) Ancestral state reconstruction of continuous character assuming a Brownian motion model of evolution. B) Identification of the transition points in the discrete character through stochastic mapping C) Categorization of nodes as either ancestral or derived as well as those that subtend an origin of the derived state of the discrete character. D) Depiction of the null distribution and the observed mean of producing nodes estimate from the data. In this example the producing nodes have a lower continuous value than expected if there is no relationship between the traits.