

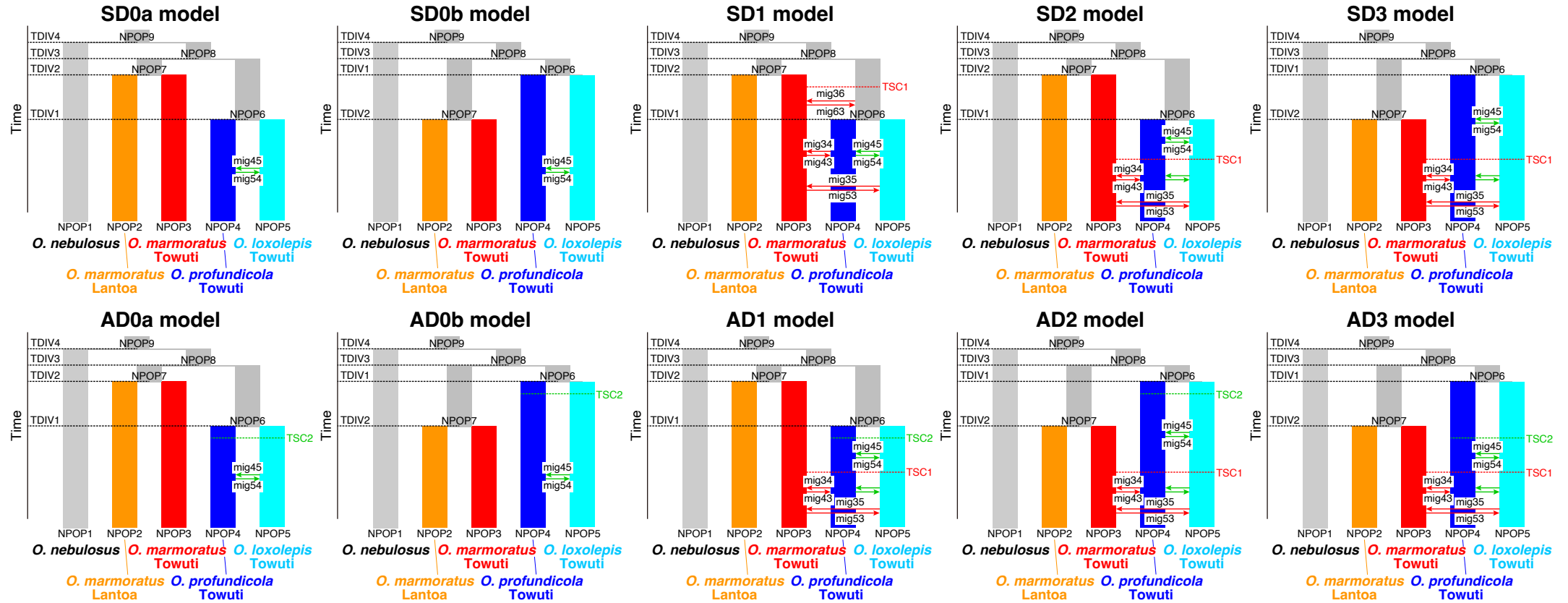


Fig. S1 Schematic illustration of the demographic models compared in fastsimcoal2. The SD and AD models represent scenarios of sympatric divergence and allopatric divergence, respectively, between *O. profundicola* and *O. loxolepis*. Red arrows indicate migration between *O. marmoratus* and the *O. profundicola*–*O. loxolepis* species pair, whereas green arrows indicate migration between *O. profundicola* and *O. loxolepis*. In the SD models, continuous gene flow between *O. profundicola* and *O. loxolepis* was allowed from TDIV1 onward. In contrast, in the AD models, migration rates between the two species were fixed to zero from TDIV1 until TSC2, representing a period of isolation prior to secondary contact. See Table S2 for detailed descriptions of each parameter