



**Figure S8: Biogeographic ancestral range estimates using BioGeoBears without biogeographic node constraint** on the chronogram of Figure 2 without the outgroup (i.e. *Dypsisis mananjarensis*). At the top left is represented which colour corresponds to which geographical area: grey (Africa); orange (Madagascar); blue (Southeast Asia = Malesia + Papuasias). The colours of the tip labels correspond to the current range of each species. The parts within the pie charts correspond to the range probabilities at the corresponding node. The striped parts indicate the presence in multiple areas. The different sizes of the pie charts are only for visualization purposes. Pie charts on the stem nodes of the tips are not represented; the range probability is 1 for all corresponding tip ranges at these nodes. The nodes of interest are labelled with Roman numerals and grey boxes correspond to the numbers added to those in the cladogram (Figure 1). The Pliocene is abbreviated as "Plio." and the Pleistocene as "Pleisto.".