

Fig. S1 Map of northern South America depicting the distribution of *Osteocephalus*, *Tepuihyla*, and *Dryaderces*. The distribution of each putative species ($n = 50$) is based on 16S rRNA records (see ‘Species delimitation (16S)’ under Results, ‘Taxonomic consensus’ column in Electronic Supplement 2, and ‘Taxonomic account’ in Appendix). On the right panel, putative species are grouped according genera or species group within *Osteocephalus*. The three areas used in BioGeoBEARS analyses (western Amazonia, Guiana Shield, and Brazilian Shield) and the main rivers of Amazonia are shown (for clarity not all rivers are depicted, especially in western Amazonia). Country codes: BO = Bolivia, BR = Brazil, CO = Colombia, EC = Ecuador, FG = French Guiana, GU = Guyana, PE = Peru, SU = Surinam, and VE = Venezuela

