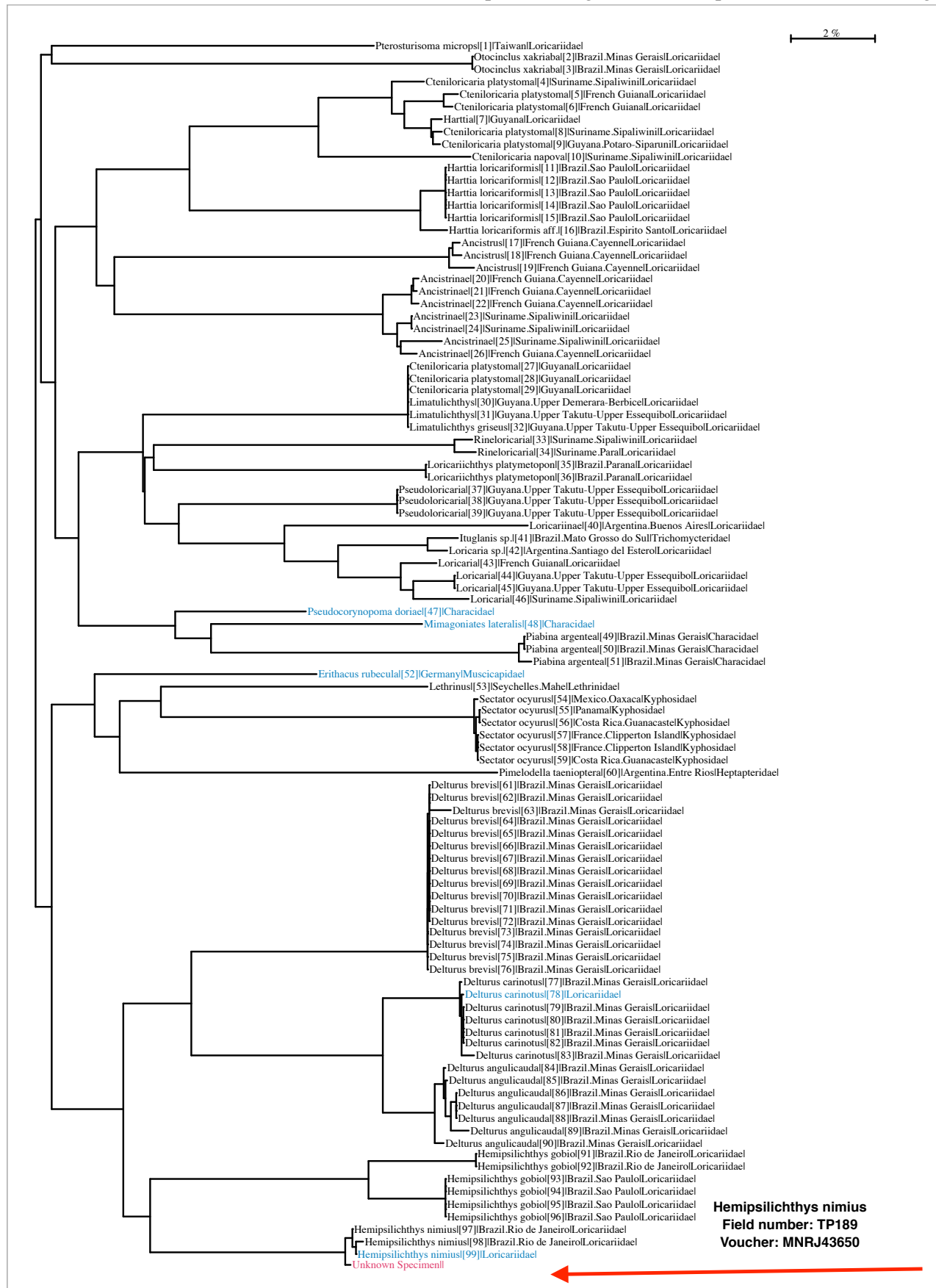
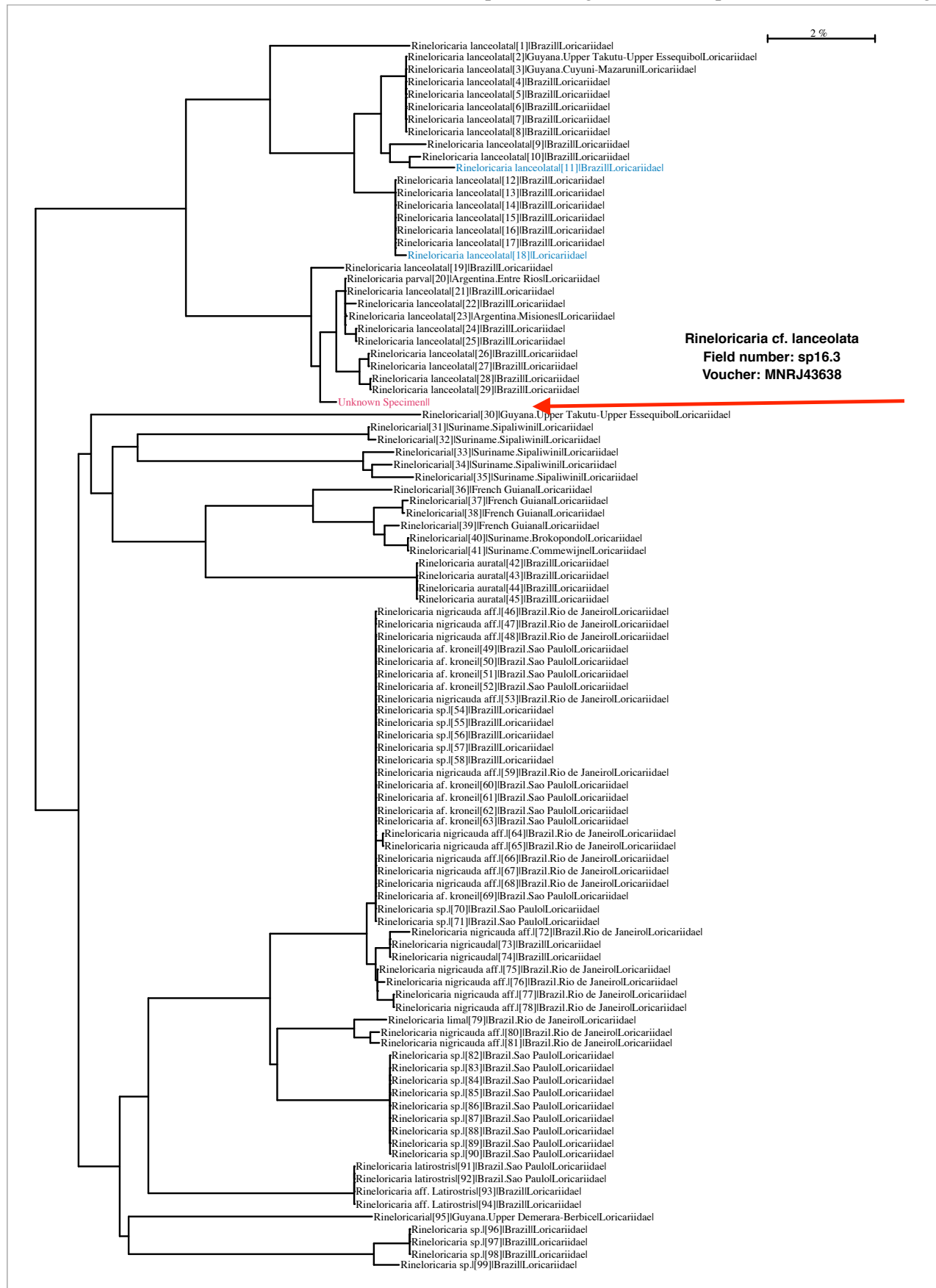
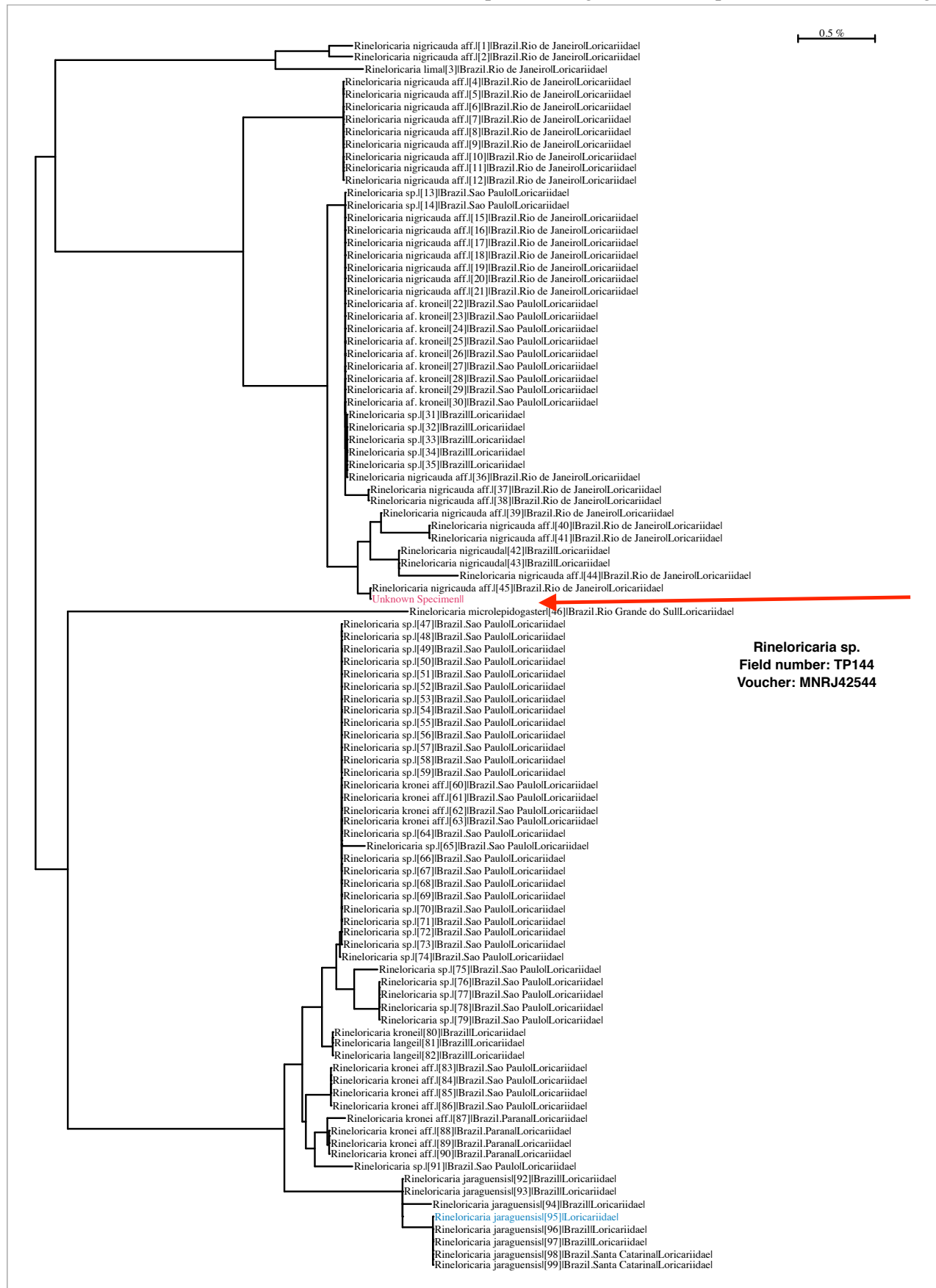


Additional file 7: Confirmation of species identification using cox1 barcode sequence and the BOLD Systems. The Folmer region of Cytochrome c oxidase subunit 1 of each species was used as queries for similarity searches against the BOLD database. The result output was visualized as a phylogenetic tree generated online. The query species are shown in red and indicated by a red arrow. For each tree, the species name, as well as its field and voucher numbers are shown close above the arrow.



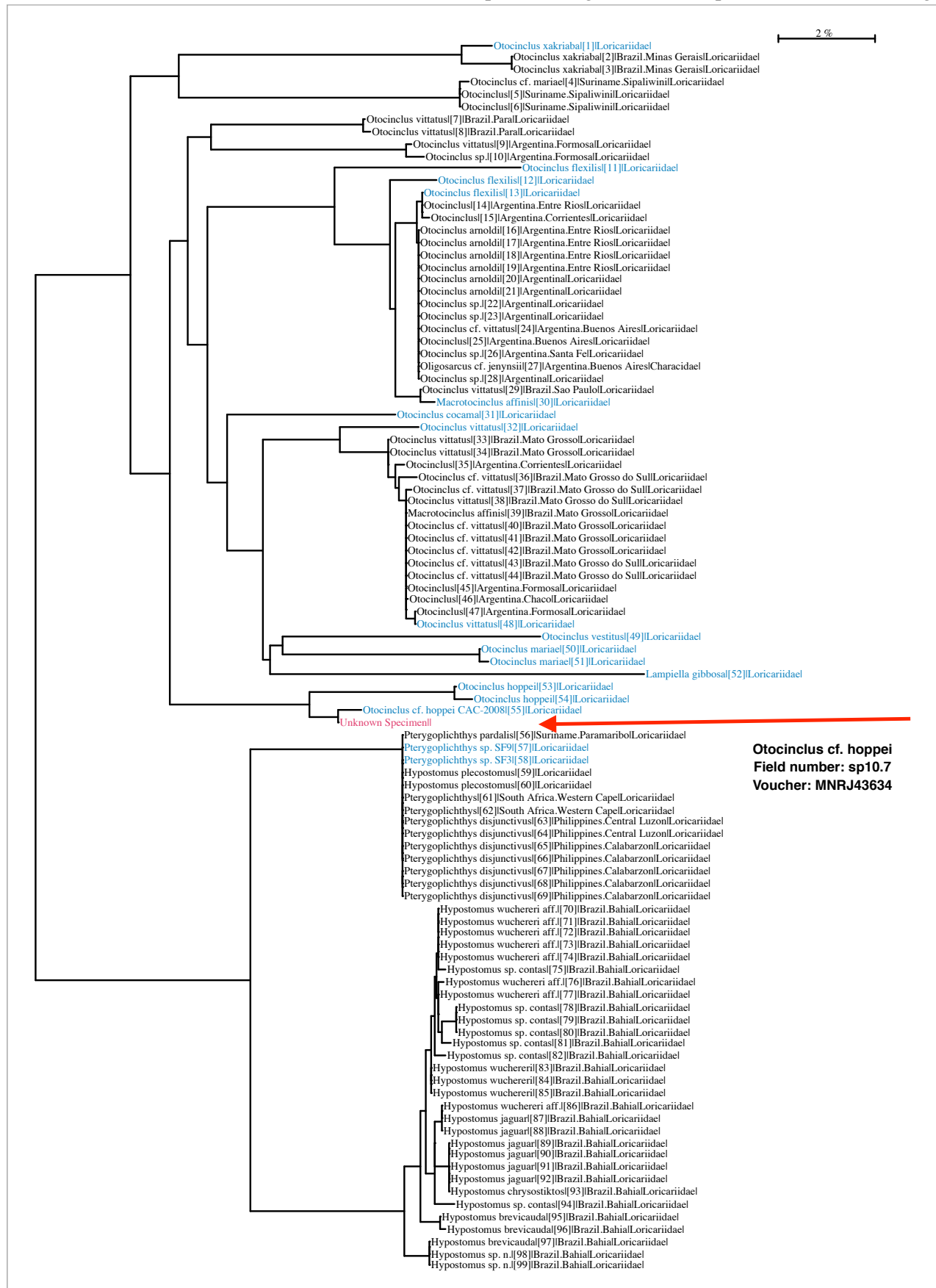


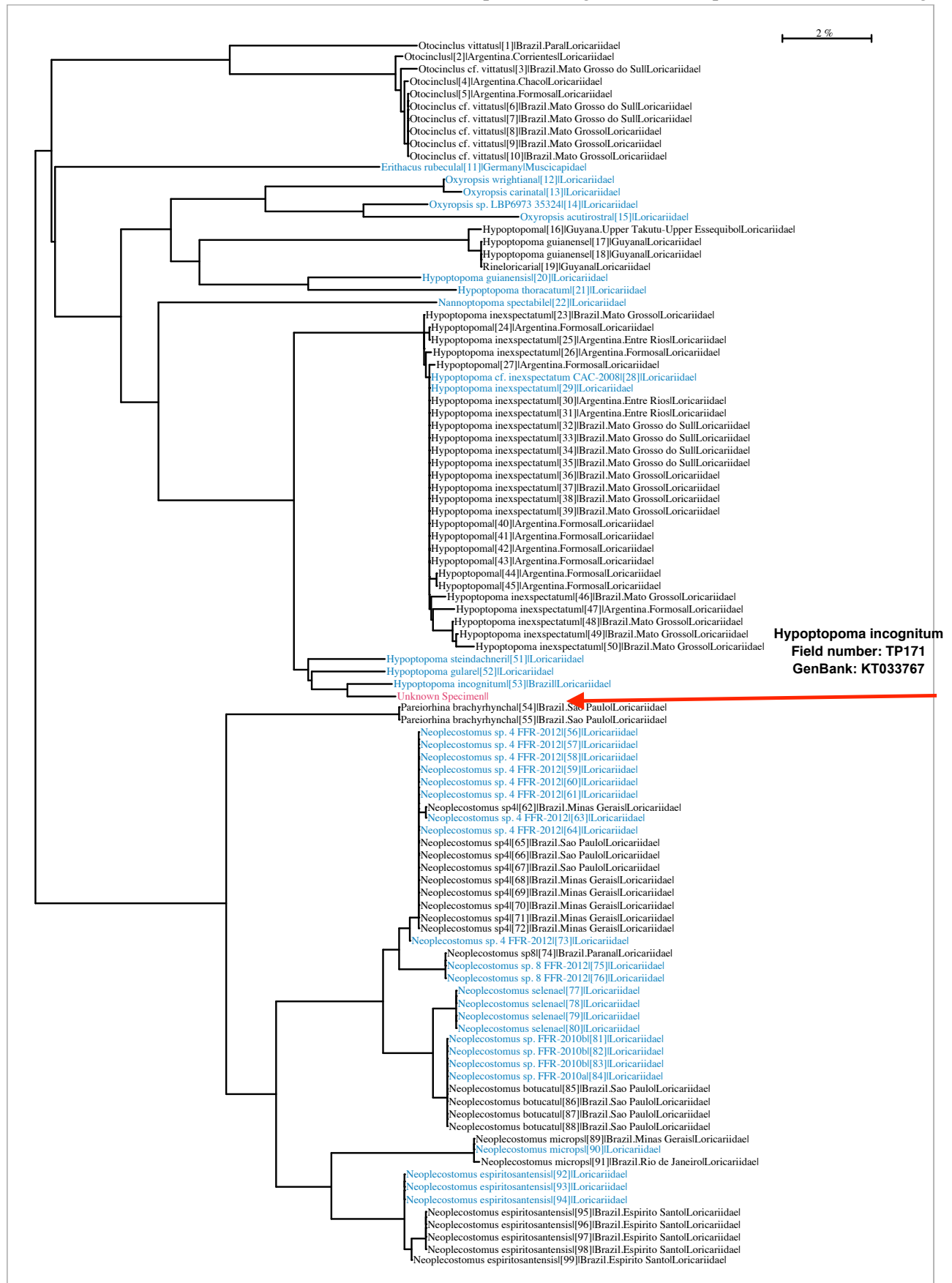


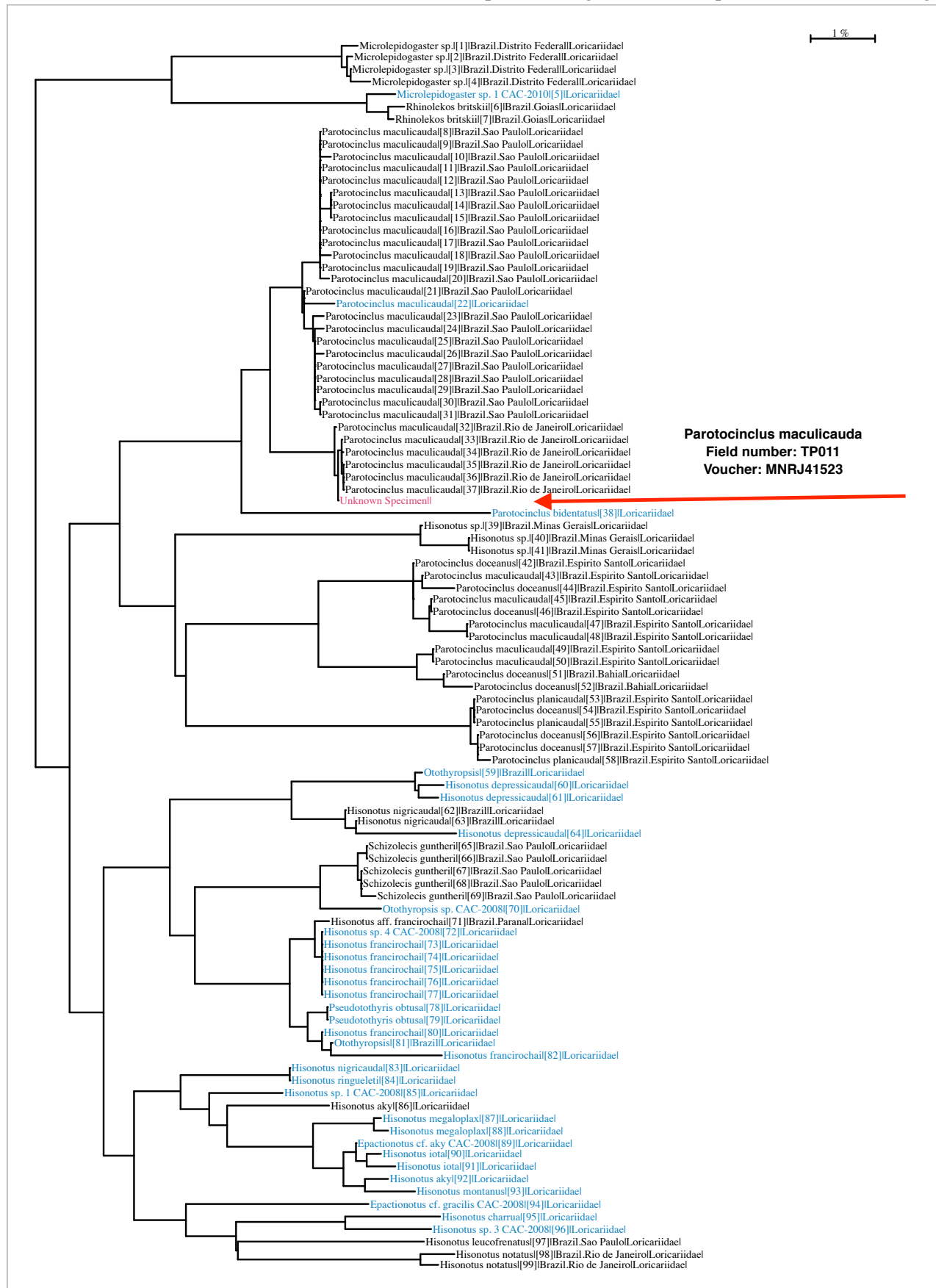


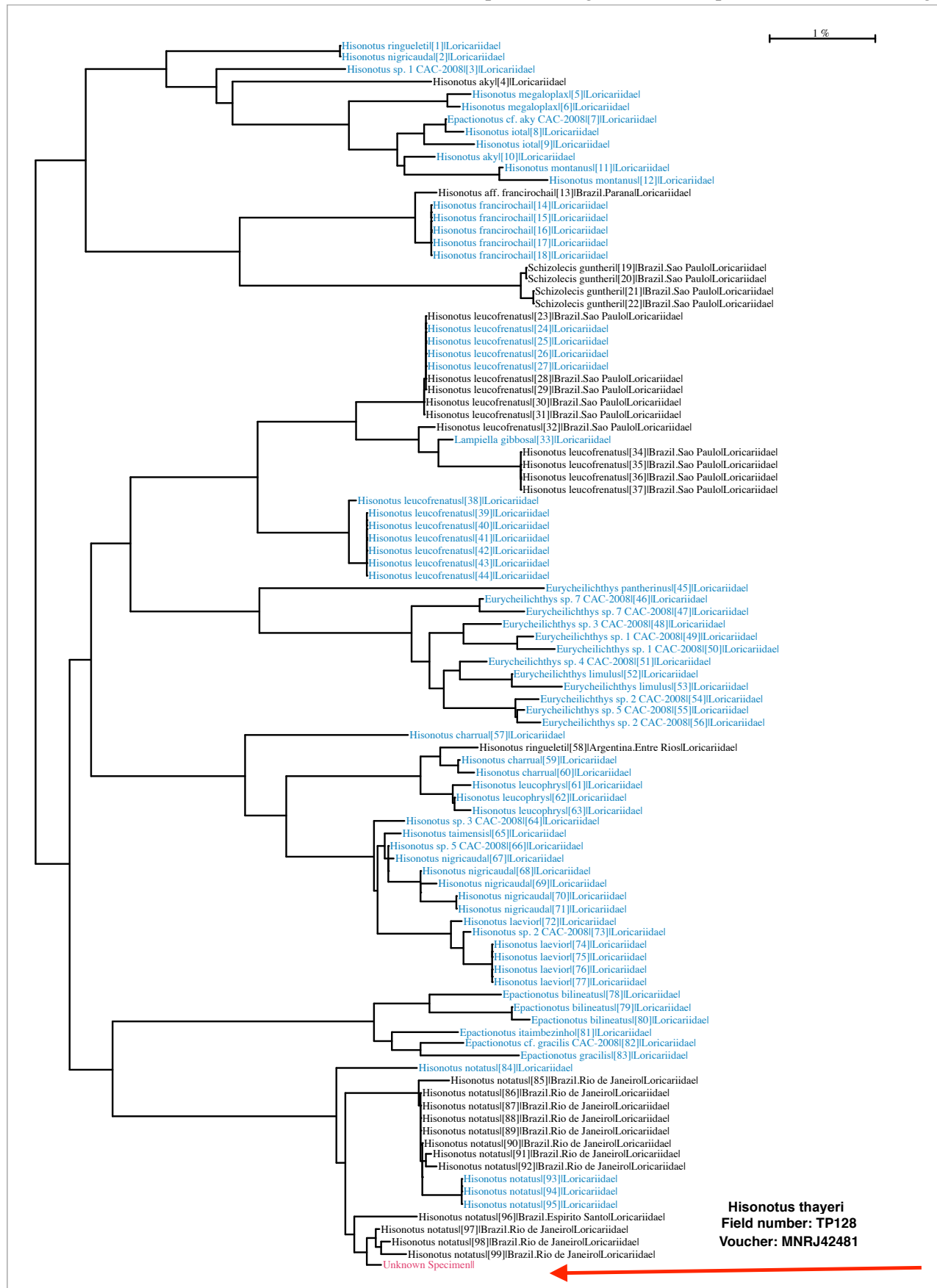


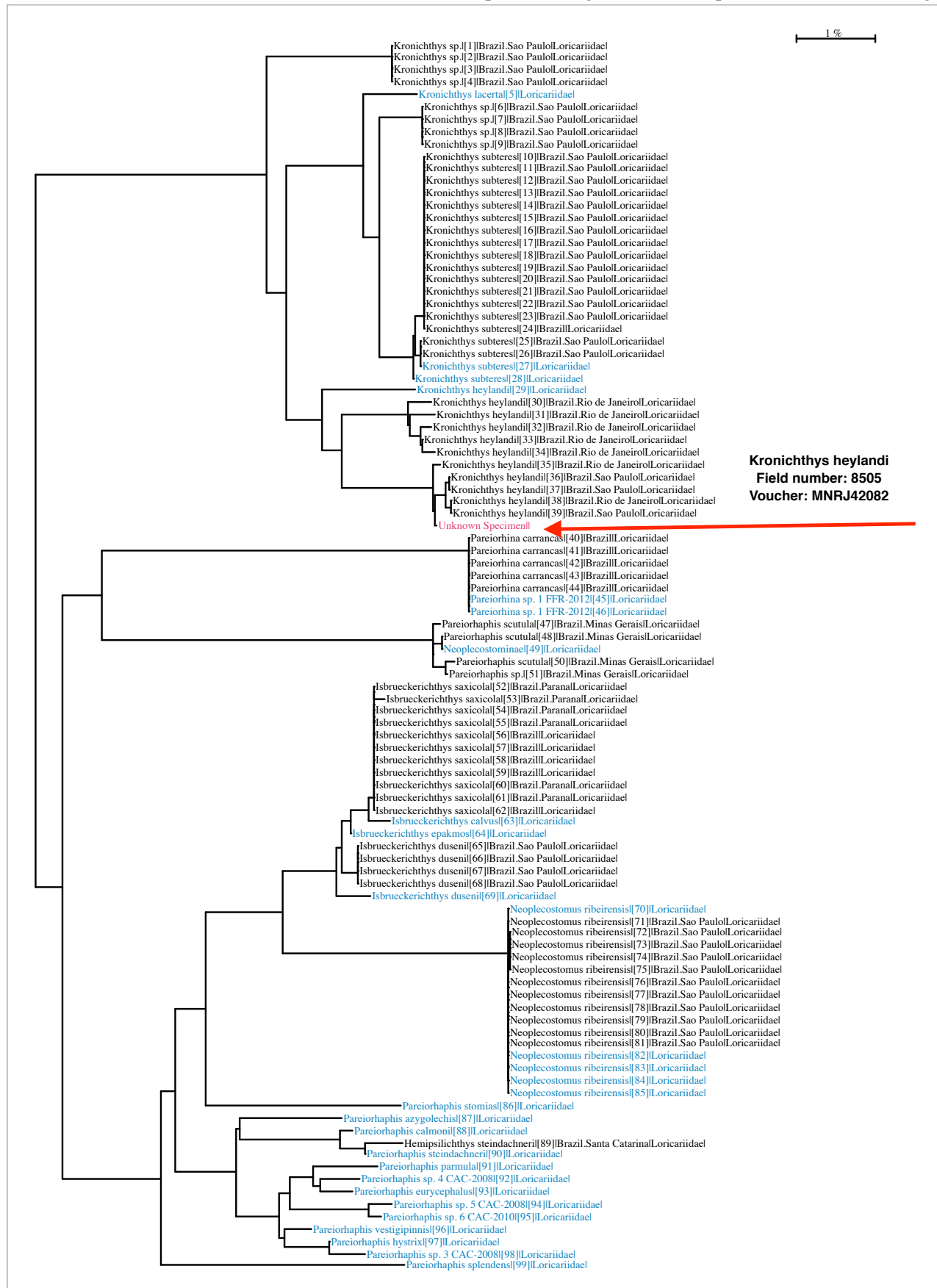


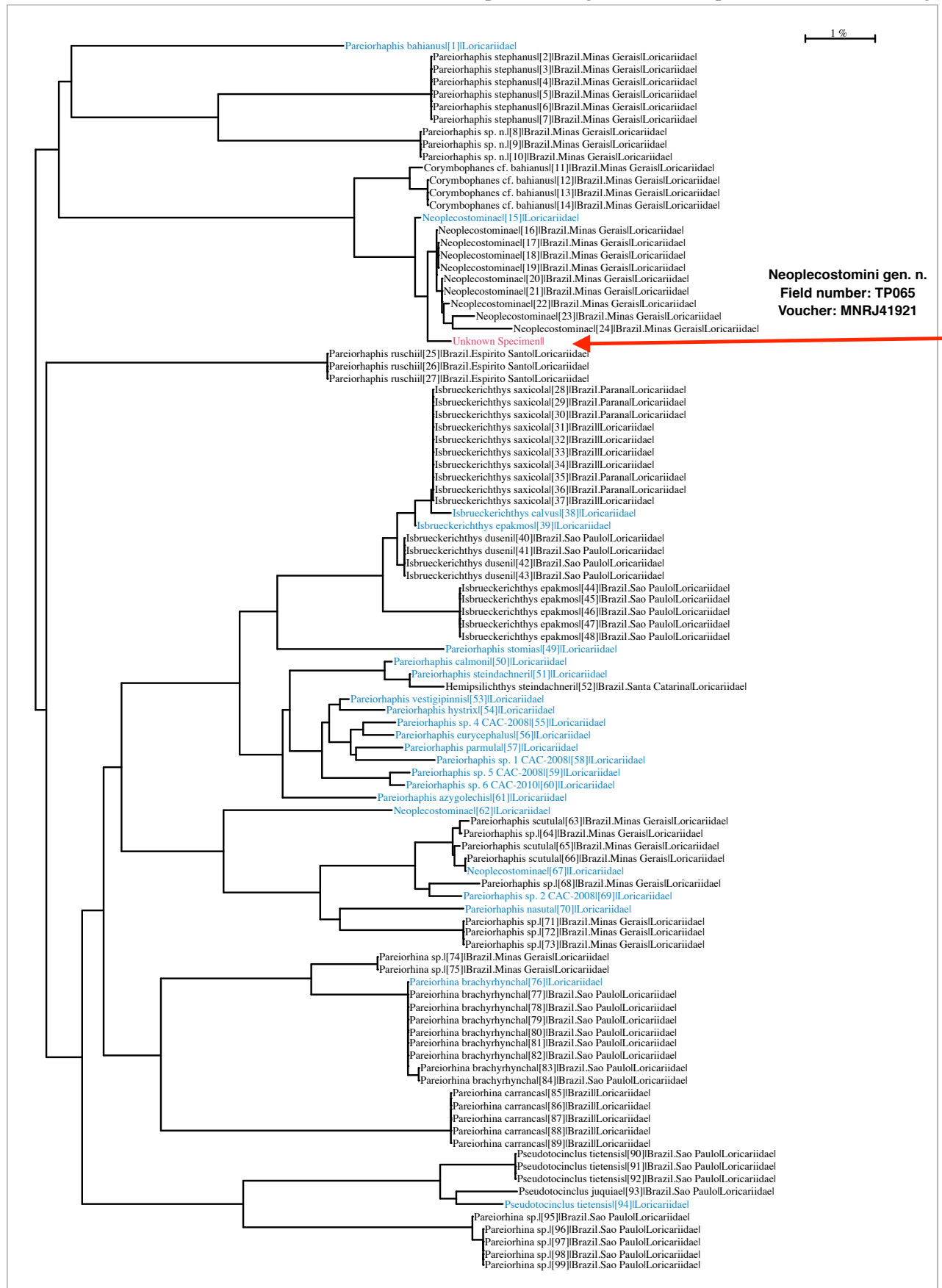


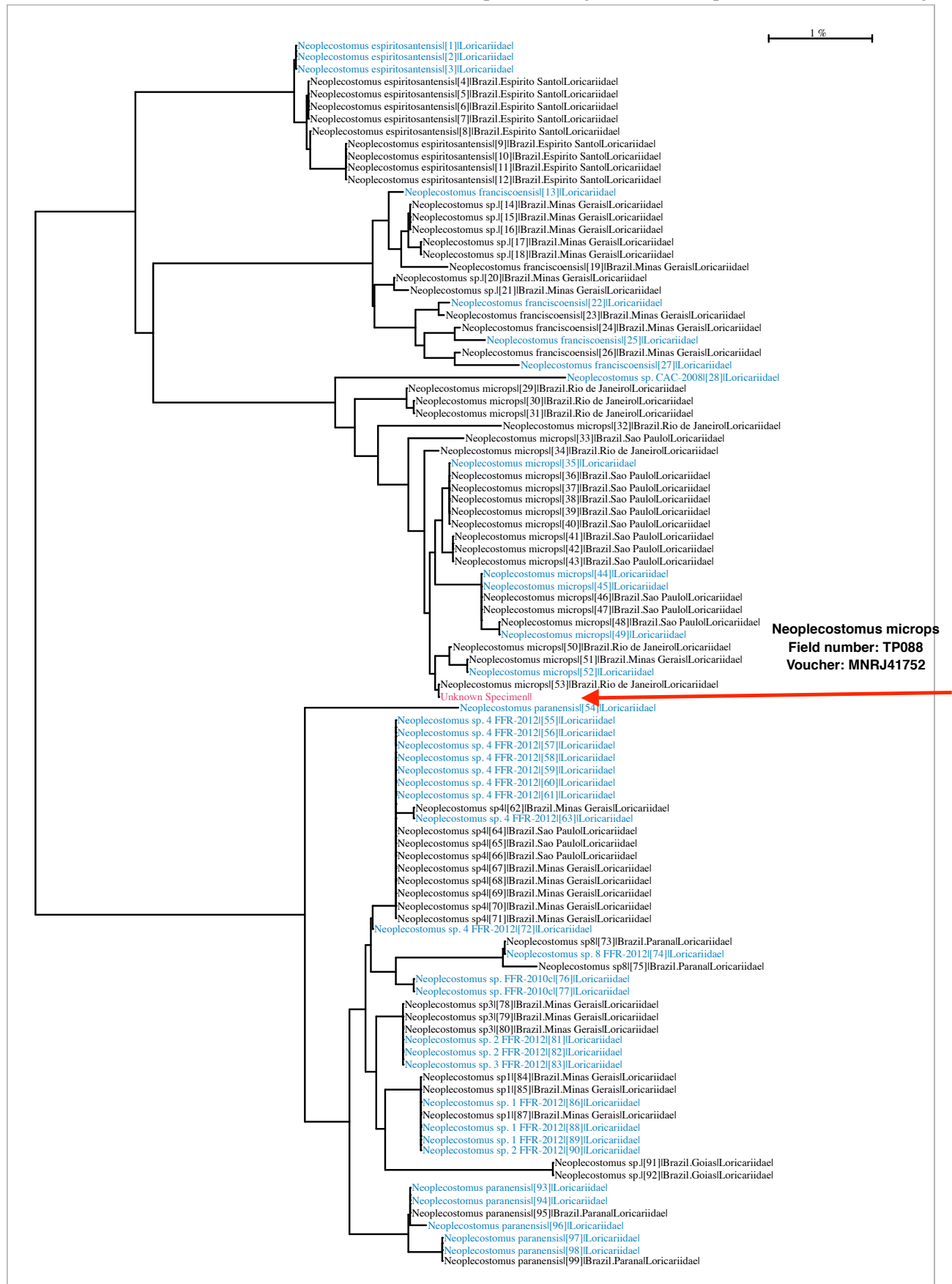


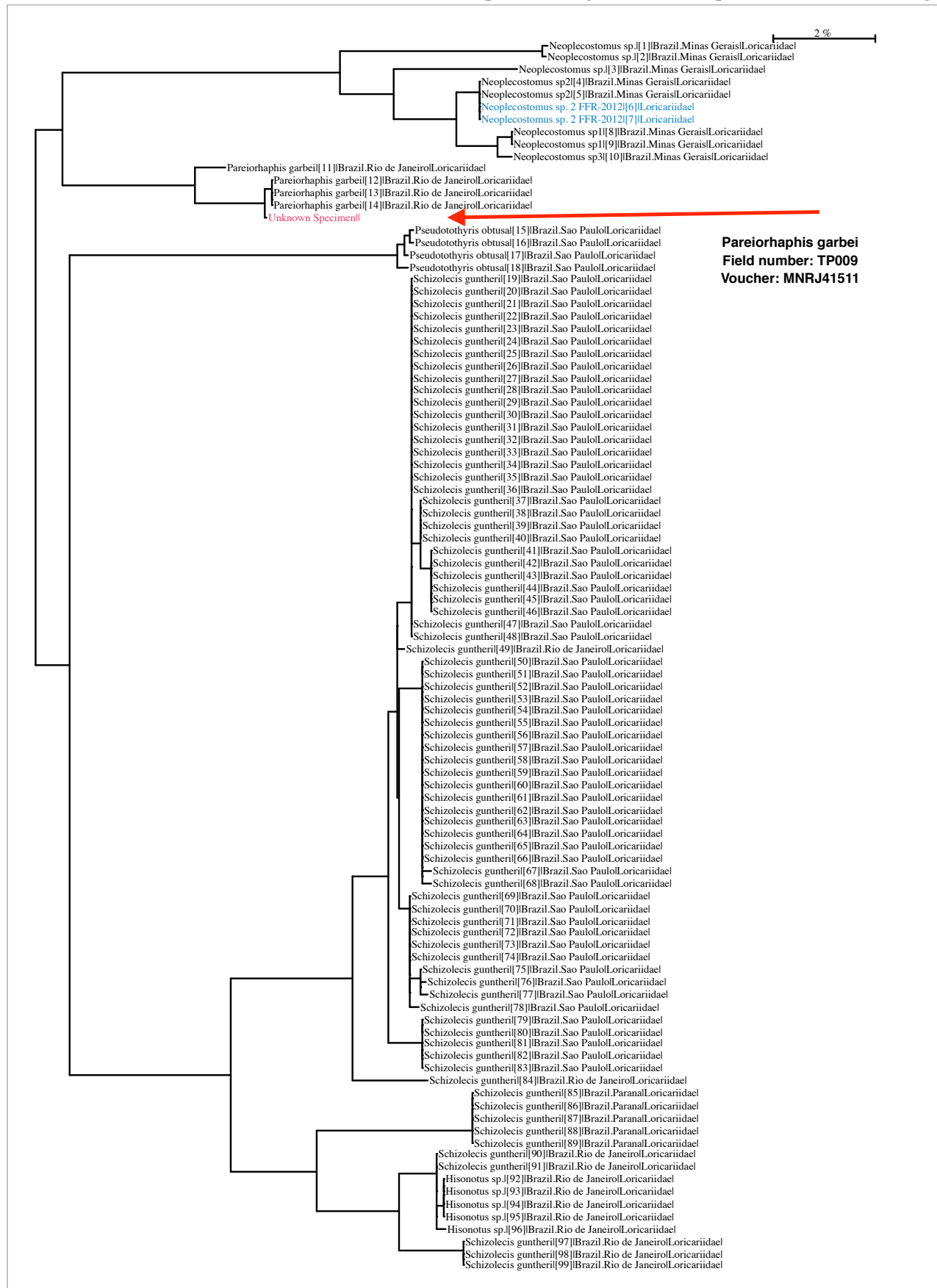


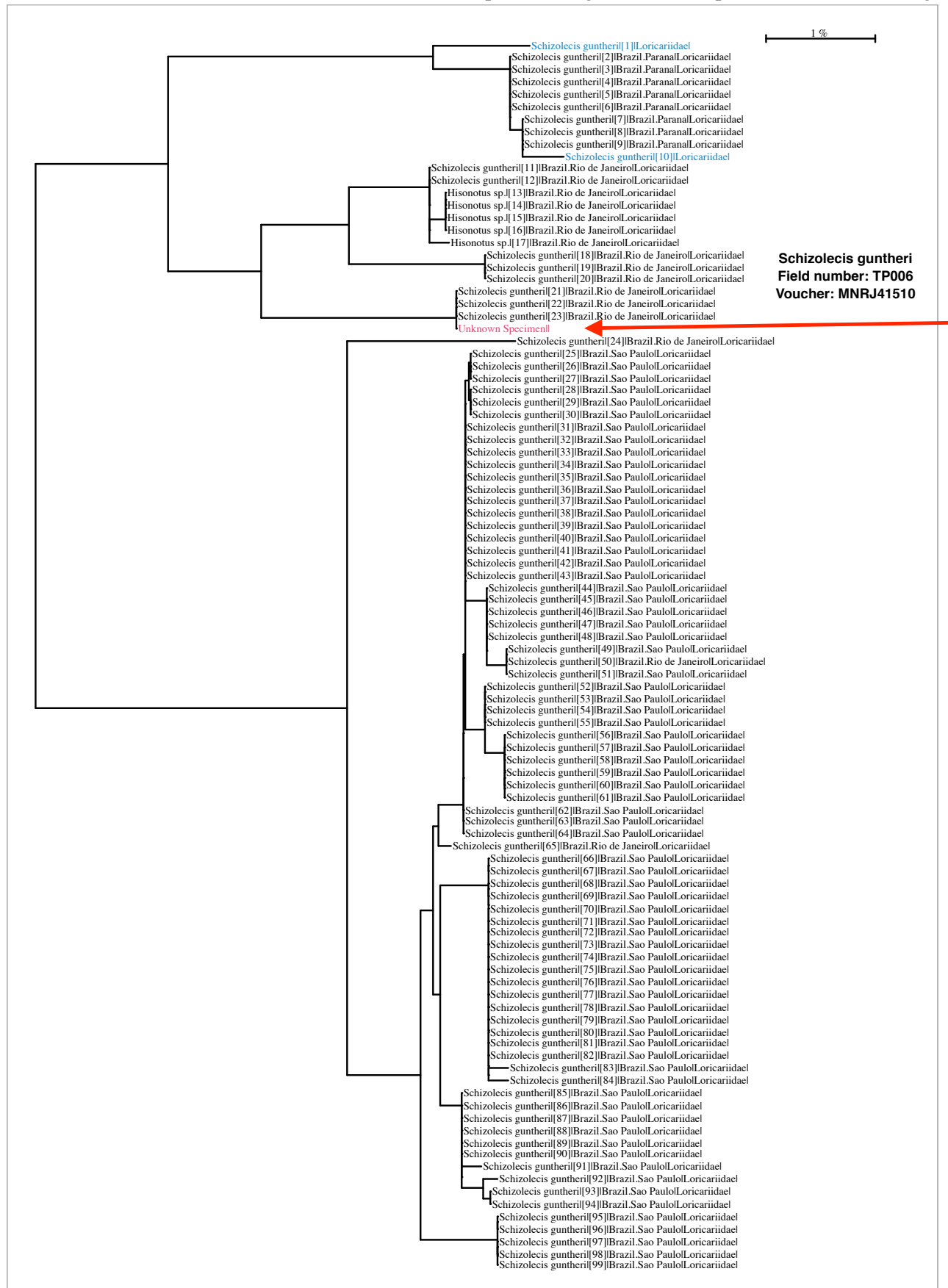


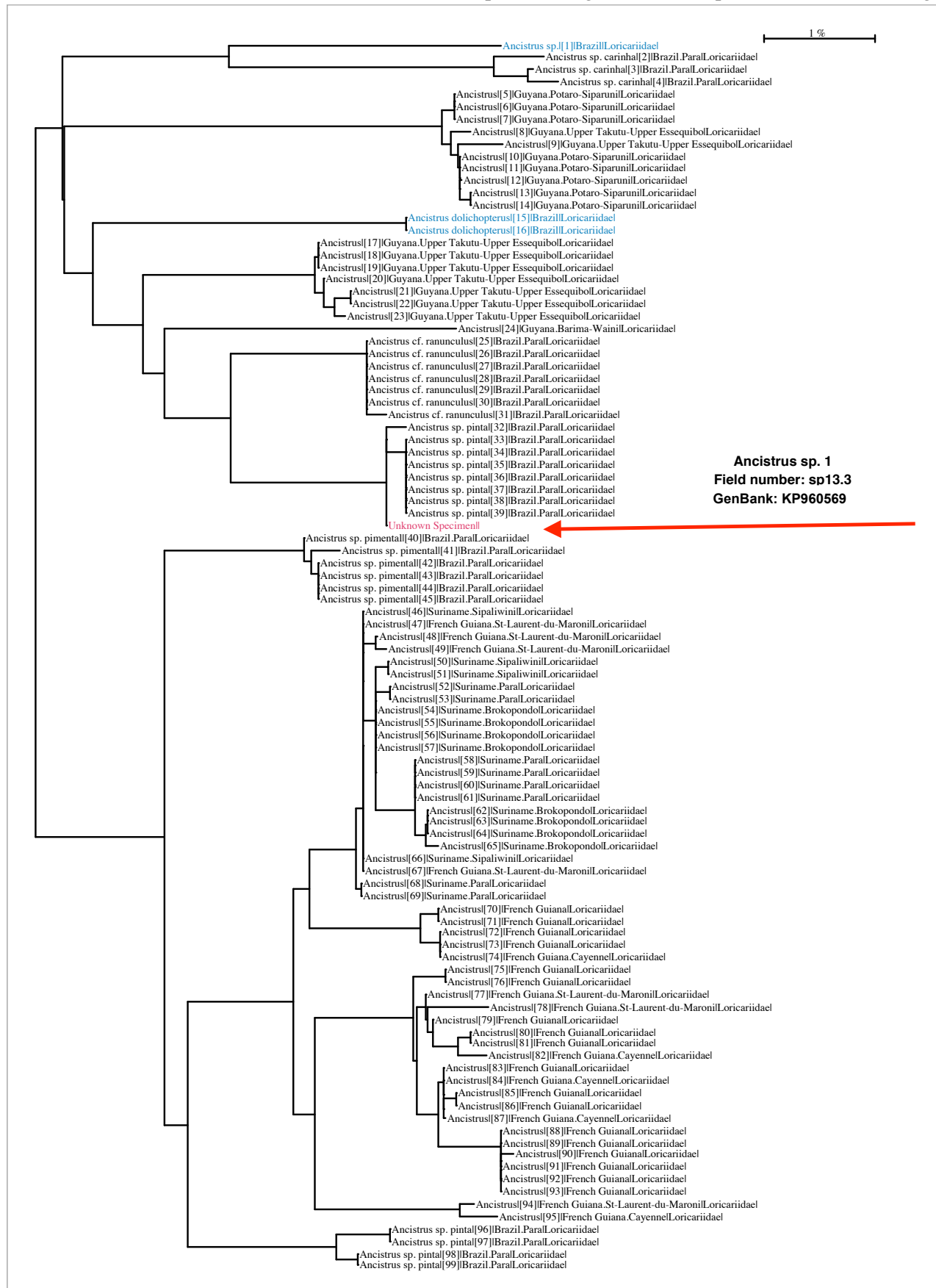




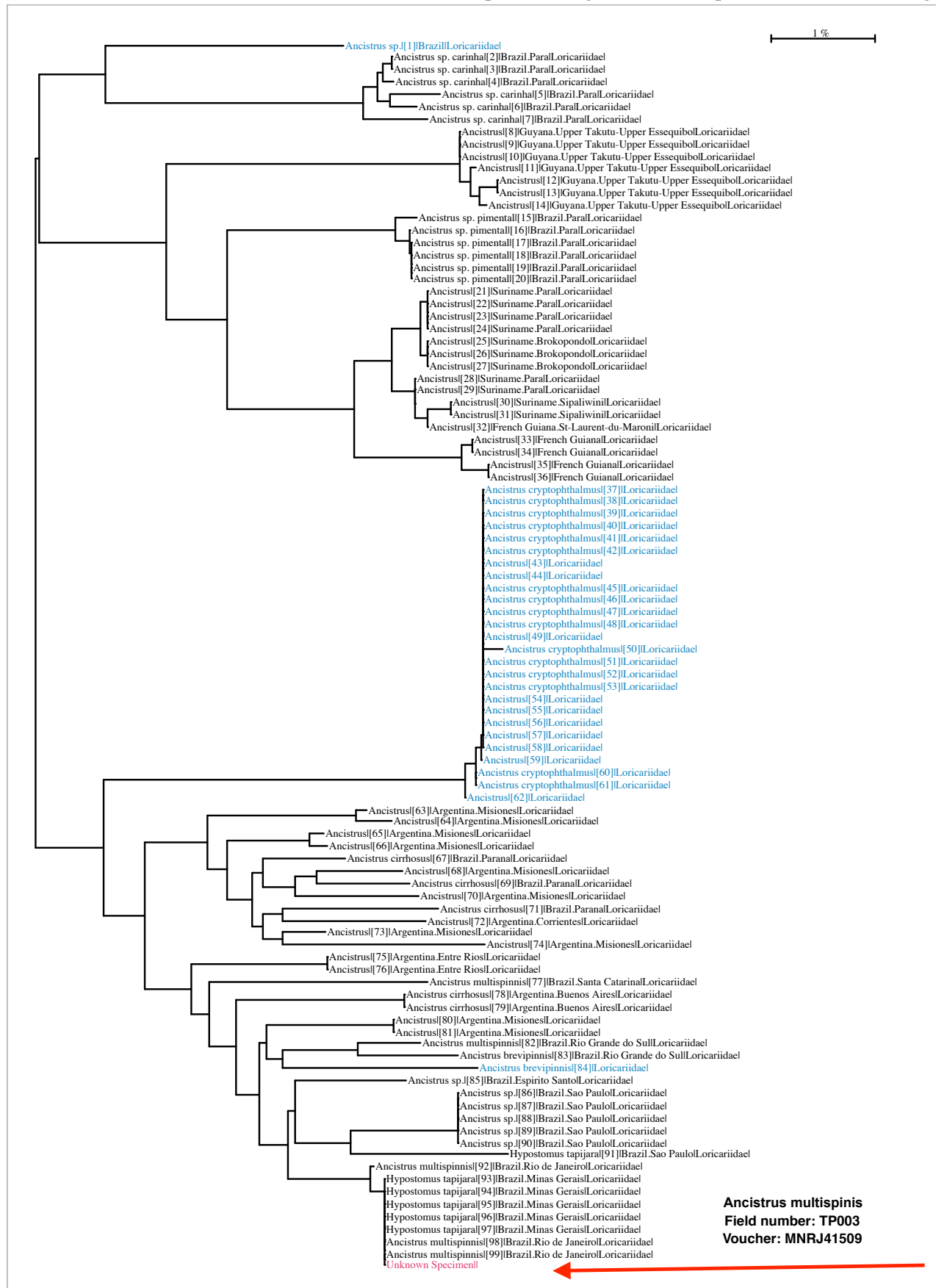


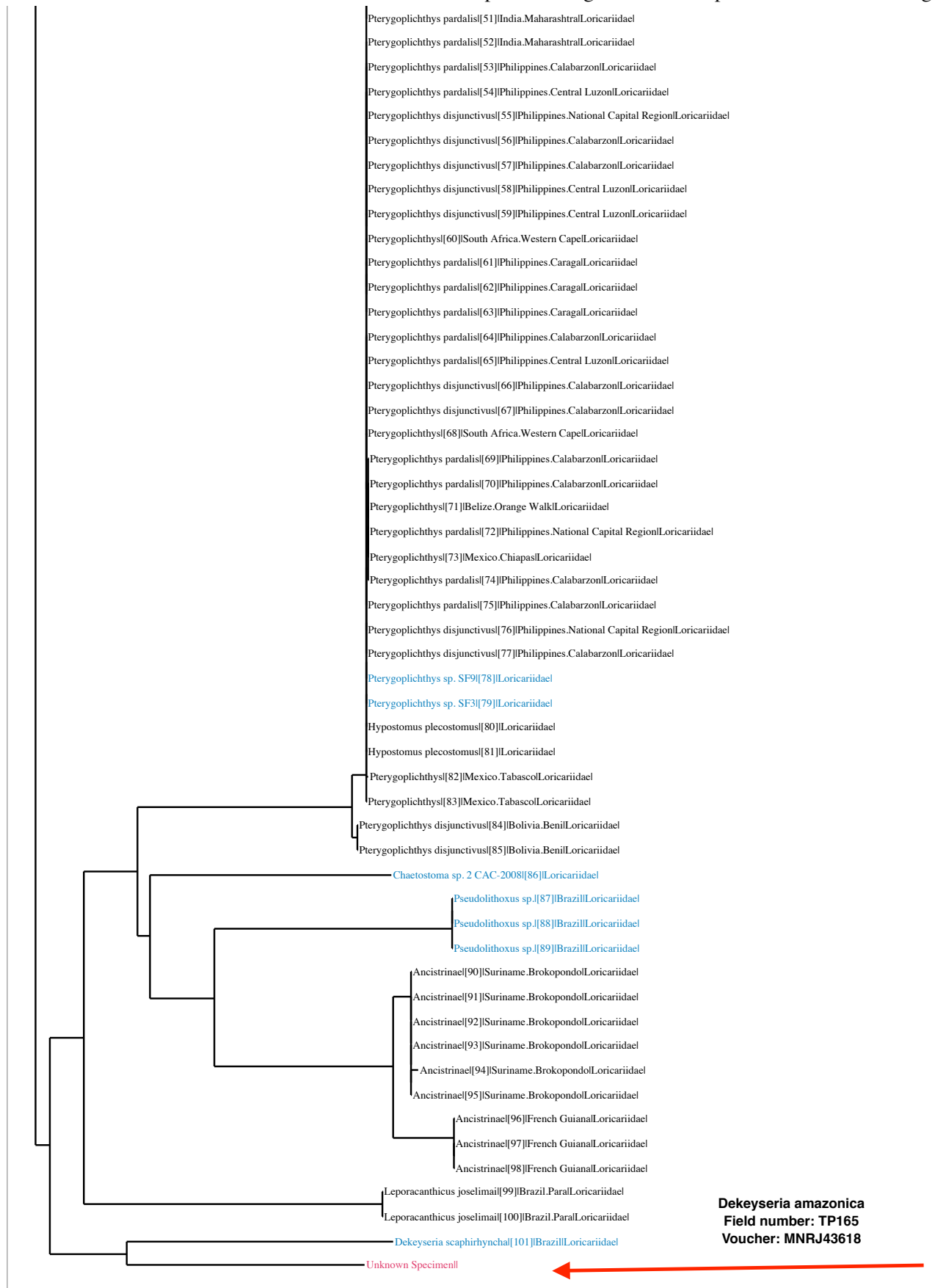


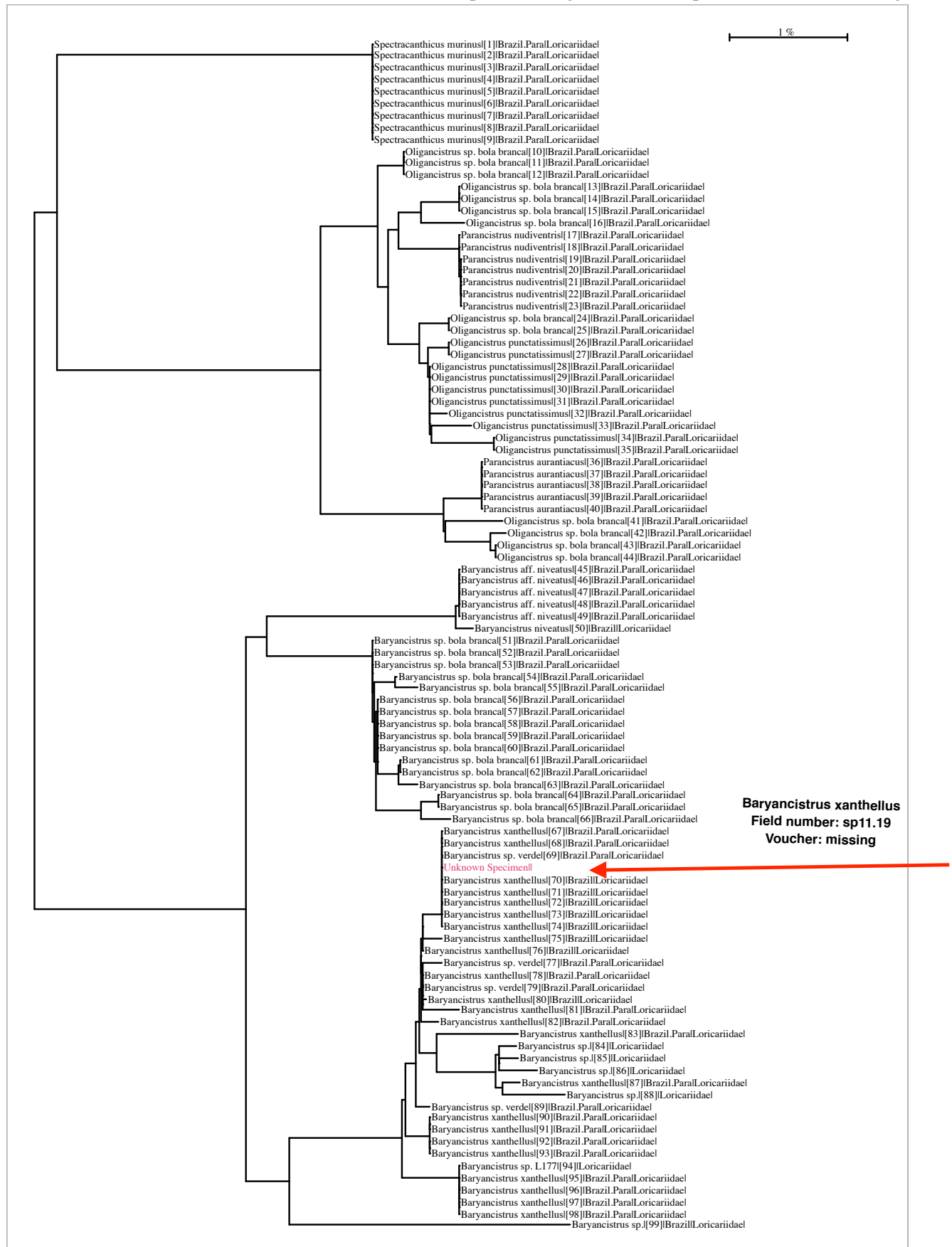


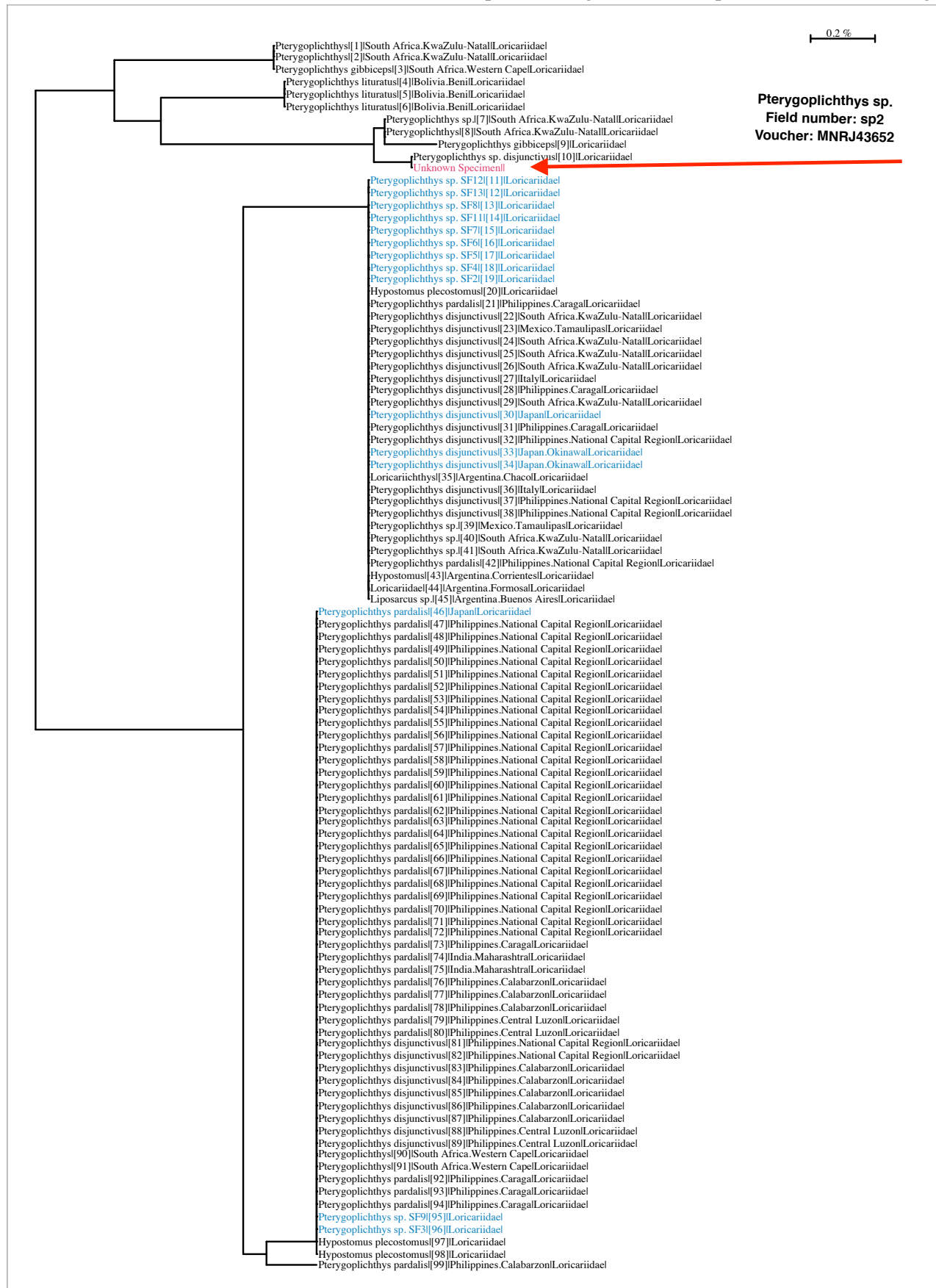


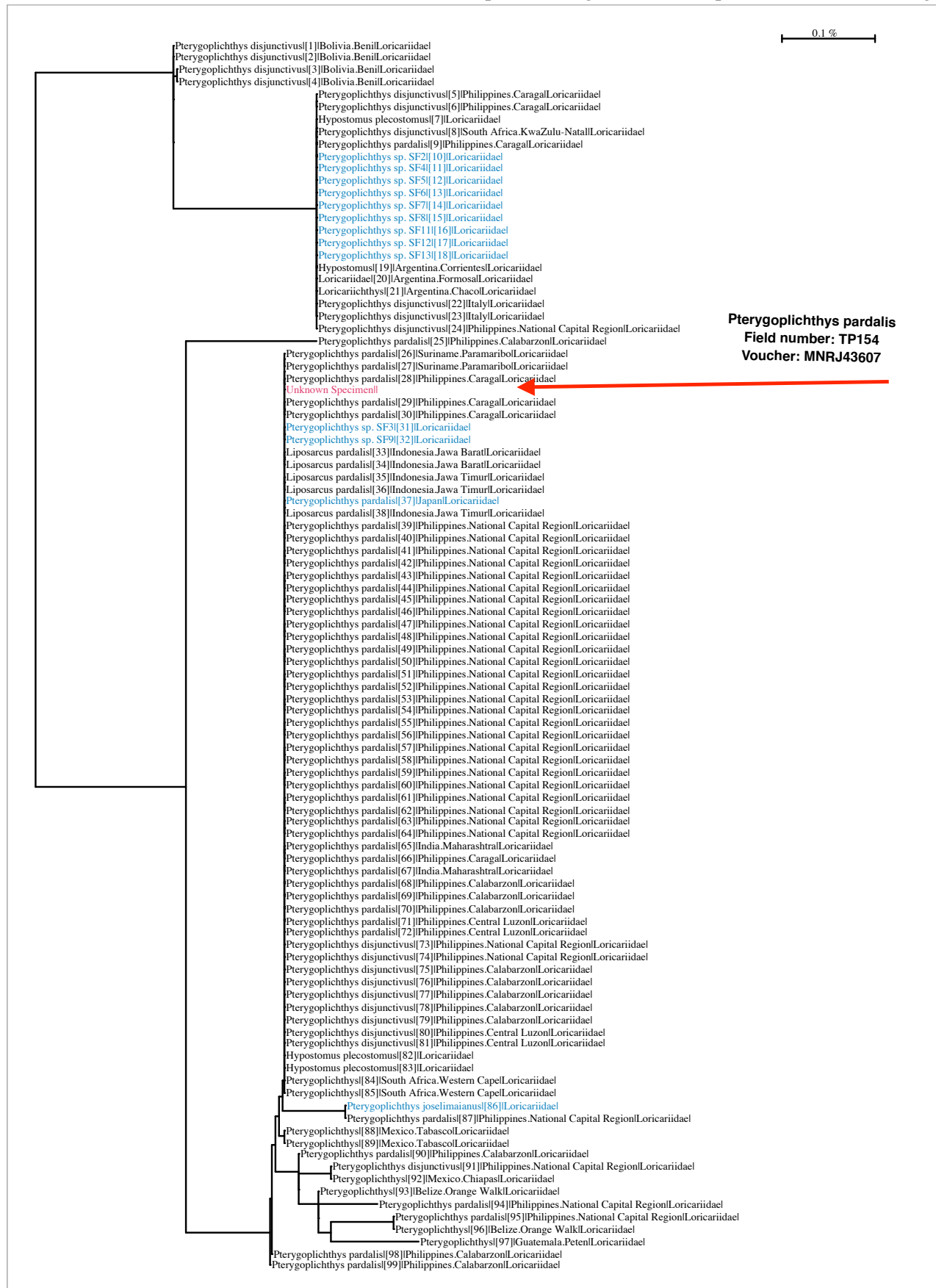


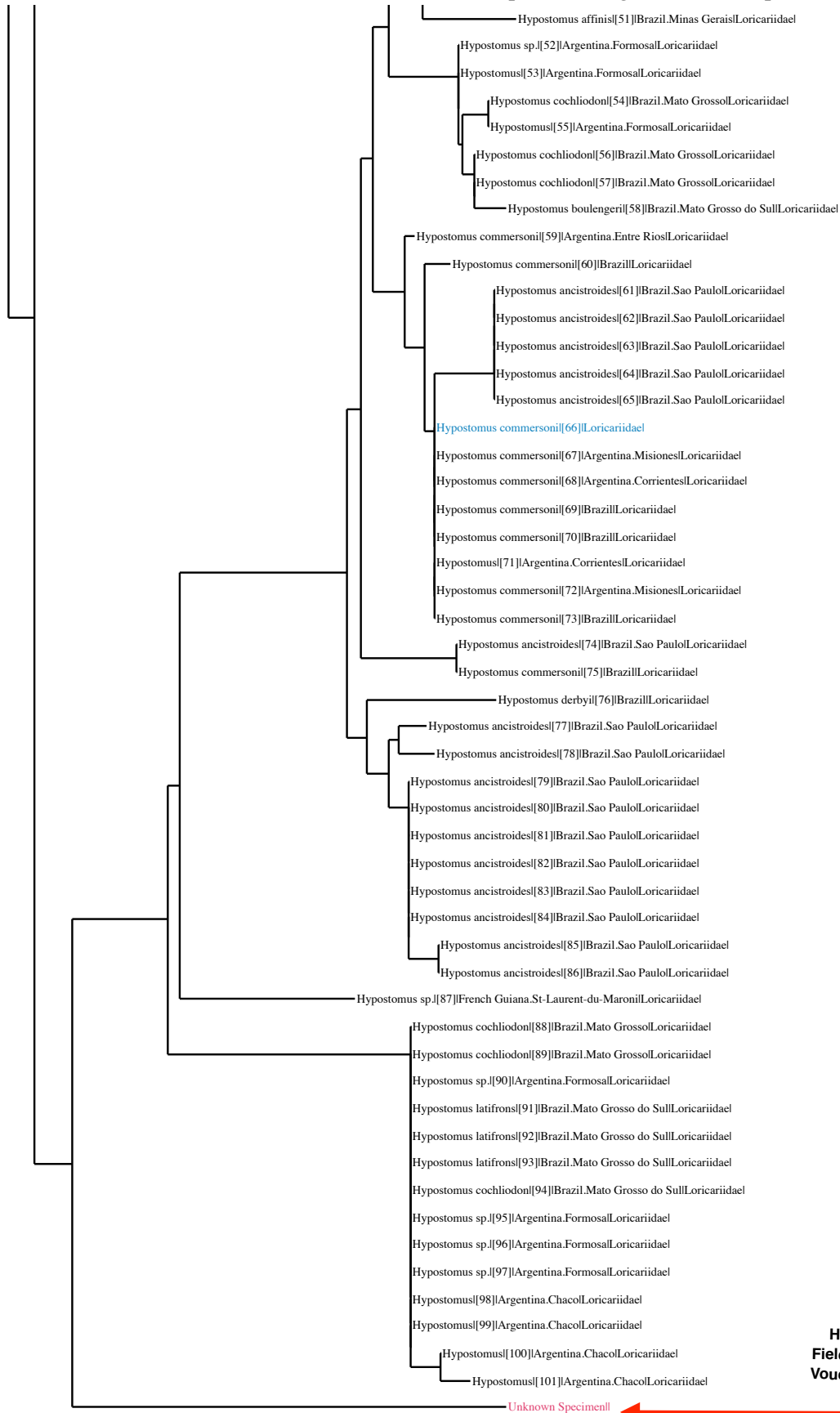












Hypostomus sp.
Field number: sp12.6
Voucher: MNRJ43635





