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Correction: Reticulate evolutionary history underpins a revised generic circumscription of *Paphiopedilum* (Orchidaceae): insights from integrative phylogenomics and historical biogeography

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Following publication of the original article [1], the authors identified a formatting error in Fig. 5, multiple layers of revision were overlaid on top of each other. The correct figure is provided below.

Furthemore, a minor typo error was also found in the Fig. 5 caption. The change is highlighted below in bold.

The original article can be found online at https://doi.org/10.1186/s12870-025-07123-3.

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Incorrect Fig. 5

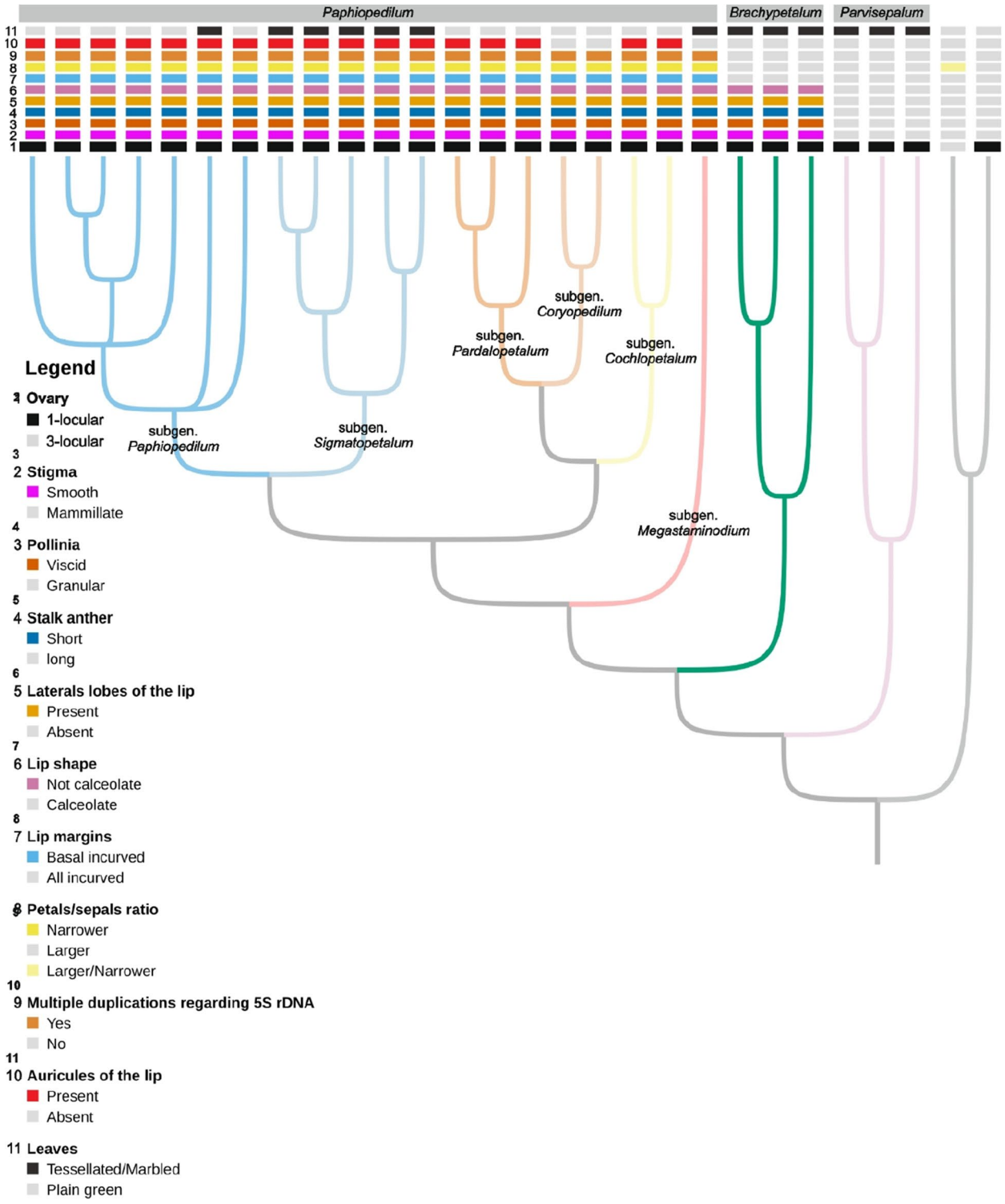
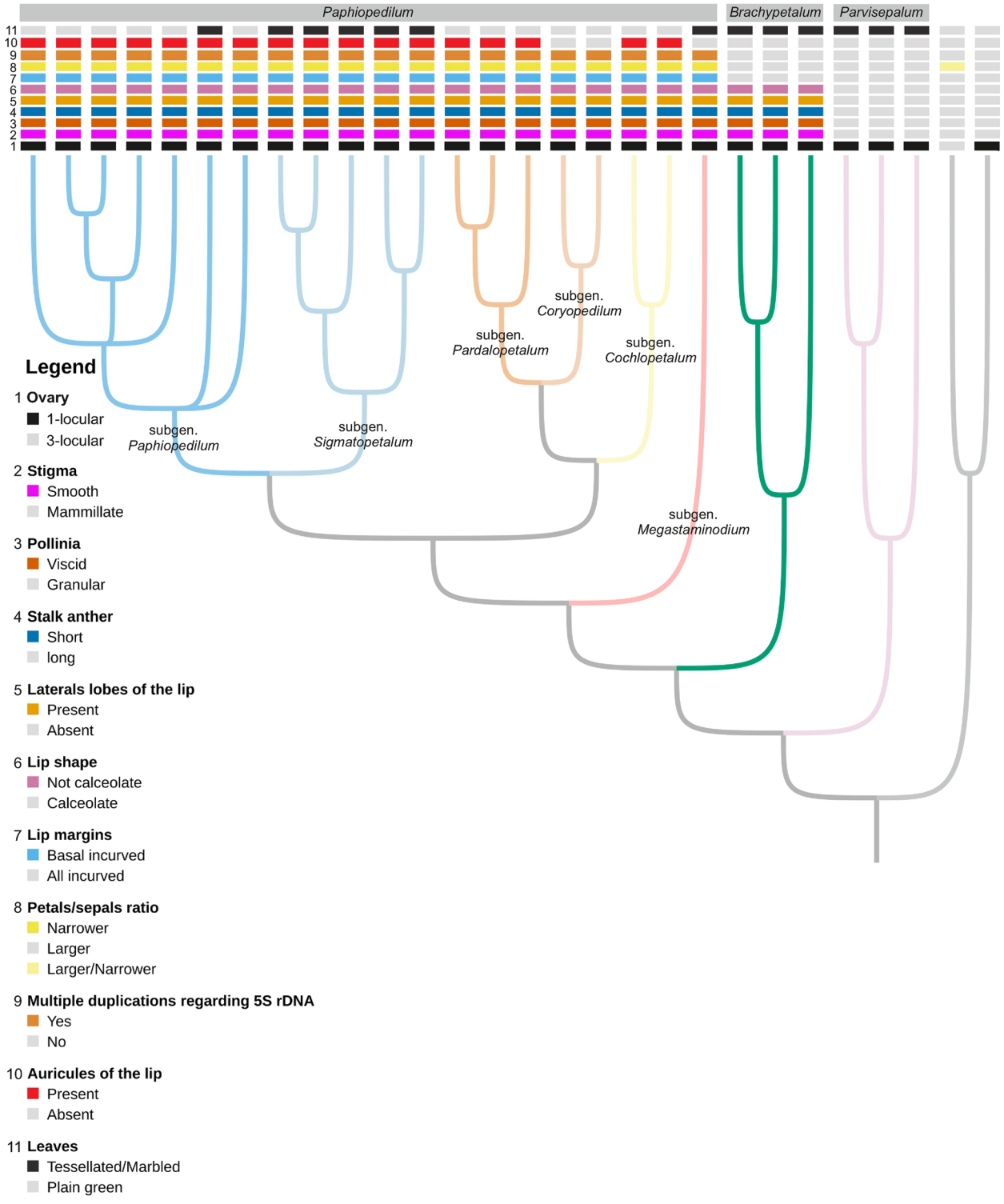


Fig. 5 Bayesian inference phylogeny of the genus *Paphiopedilum* based on a concatenated dataset of the low-copy nuclear genes *PHYC* (phytochrome C), *ACO* (1-aminocyclopropane-1-carboxylate oxidase), and *DEF4* (DEFICIENS-like gene 4), with the overlay of key traits used in the taxonomic circumscription of major clades. Morphological synapomorphies are indicated, as well as the cytogenetic character "multiple duplication of 5S rDNA" (item 8). The tree highlights both genetic relationships and the evolutionary significance of specific morphological features, which are crucial for defining taxonomic boundaries within the genera. Taxon labels reflect the revised systematic framework proposed in this study

Correct Fig. 5



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The author group has been updated above and the original article [1] has been corrected.

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Reference

1. Górniak M, Olędrzyńska N, Szlachetko DL. Reticulate evolutionary history underpins a revised generic circumscription of *Paphiopedilum* (Orchidaceae): insights from integrative phylogenomics and historical biogeography. BMC Plant Biol. 2025;25:1167. https://doi.org/10.1186/s12870-025-07123-3.