

SUPPLEMENTARY ONLINE MATERIAL FOR

The late-surviving early diverging Ibero-Armorican "duck-billed" dinosaur *Fylax* and the role of the Late Cretaceous European Archipelago in hadrosauroid biogeography

Albert Prieto-Márquez and Miguel Ángel Carrera Farias

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Supplementary Online Material

SOM 1. Data used in the calculation of the ratio between the maximum anteroposterior width of the dorsal region of the coronoid process and the minimum anteroposterior width of the ascending ramus of the process,

available at http://app.pan.pl/SOM/app66-PrietoMarquez_CarreraFarias_SOM/SOM_1.xlsx

SOM 2. Angle between the long axis of the coronoid process and the longitudinal axis of the dental battery, available at http://app.pan.pl/SOM/app66-PrietoMarquez_CarreraFarias_SOM/SOM_2.xlsx

SOM 3. List of characters used in the parsimony analysis for inferring the phylogenetic position of *Fylax thyrakolasus*,

available at http://app.pan.pl/SOM/app66-PrietoMarquez_CarreraFarias_SOM/SOM_3.pdf

SOM 4. Nexus file containing the character-taxon matrix used in the phylogenetic analysis, available at http://app.pan.pl/SOM/app66-PrietoMarquez_CarreraFarias_SOM/SOM_4.nex

SOM 5. Strict consensus tree from the parsimony phylogenetic analysis,

available at http://app.pan.pl/SOM/app66-PrietoMarquez_CarreraFarias_SOM/SOM_5.pdf

SOM 6. Nexus file containing the data and results of the maximum likelihood reconstruction of ancestral areas for each node of the phylogeny inferred in this study (values for each maximum likelihood proportion shown in the pie charts next to the nodes is displayed in Mesquite by hovering the computer mouse over the pie chart of interest),

available at http://app.pan.pl/SOM/app66-PrietoMarquez_CarreraFarias_SOM/SOM_6.nex

SOM 7. Ages for the taxa included in the study and subsequent inference of ancestral areas,

available at http://app.pan.pl/SOM/app66-PrietoMarquez_CarreraFarias_SOM/SOM_7.xlsx