



http://app.pan.pl/SOM/app61-SerranoMartinez_etal_SOM.pdf

SUPPLEMENTARY ONLINE MATERIAL FOR

Isolated theropod teeth from the Middle Jurassic of Niger and the early dental evolution of Spinosauridae

Alejandro Serrano-Martínez, Daniel Vidal, Lara Scisio, Francisco Ortega,
and Fabien Knoll

Published in *Acta Palaeontologica Polonica* 2016 61 (2): 403-415.

<http://dx.doi.org/10.4202/app.00101.2014>

Supplementary Online Material

Figures 1-4. Strict consensus cladograms.

References

SOM 1. PAST file. Character matrix used in the cluster analysis. It was adapted from the dentition-based datamatrix of Hendrickx and Mateus (2014), using all the lateral teeth characters and HB crowns included.

http://app.pan.pl/SOM/app61-SerranoMartinez_etal_SOM/SOM_1.tnt

SOM 2. TNT file. Dentition based characters matrix from Hendrickx and Mateus (2014) with HB crowns coded as lateral teeth.

http://app.pan.pl/SOM/app61-SerranoMartinez_etal_SOM/SOM_2.tnt

SOM 3. TNT file. Supermatrix from Hendrickx and Mateus (2014) with HB crowns coded as lateral teeth.

http://app.pan.pl/SOM/app61-SerranoMartinez_etal_SOM/SOM_3.tnt

Figure 1. Strict consensus cladogram after sixteen most parsimonious trees (CI = 0.334, RI = 0.581) obtained from the supermatrix of 141 discrete characters from Hendrickx and Mateus (2014) with all HB crowns included in the analysis.

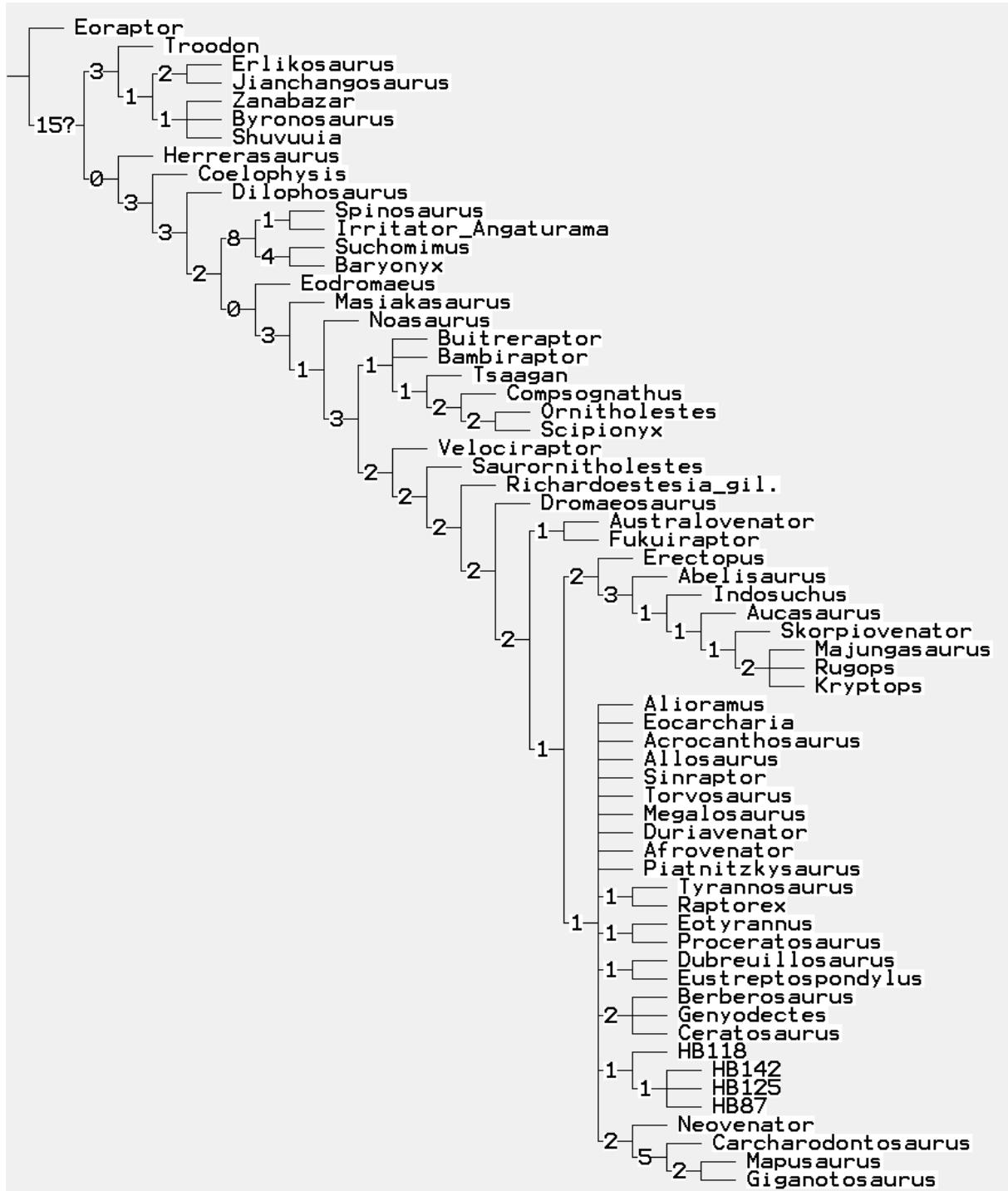


Figure 2. Strict consensus cladogram after sixteen most parsimonious trees (CI = 0.341, RI = 0.593) obtained from the supermatrix of 141 discrete characters from Hendrickx & Mateus (2014) with HB-87 included in the analysis.

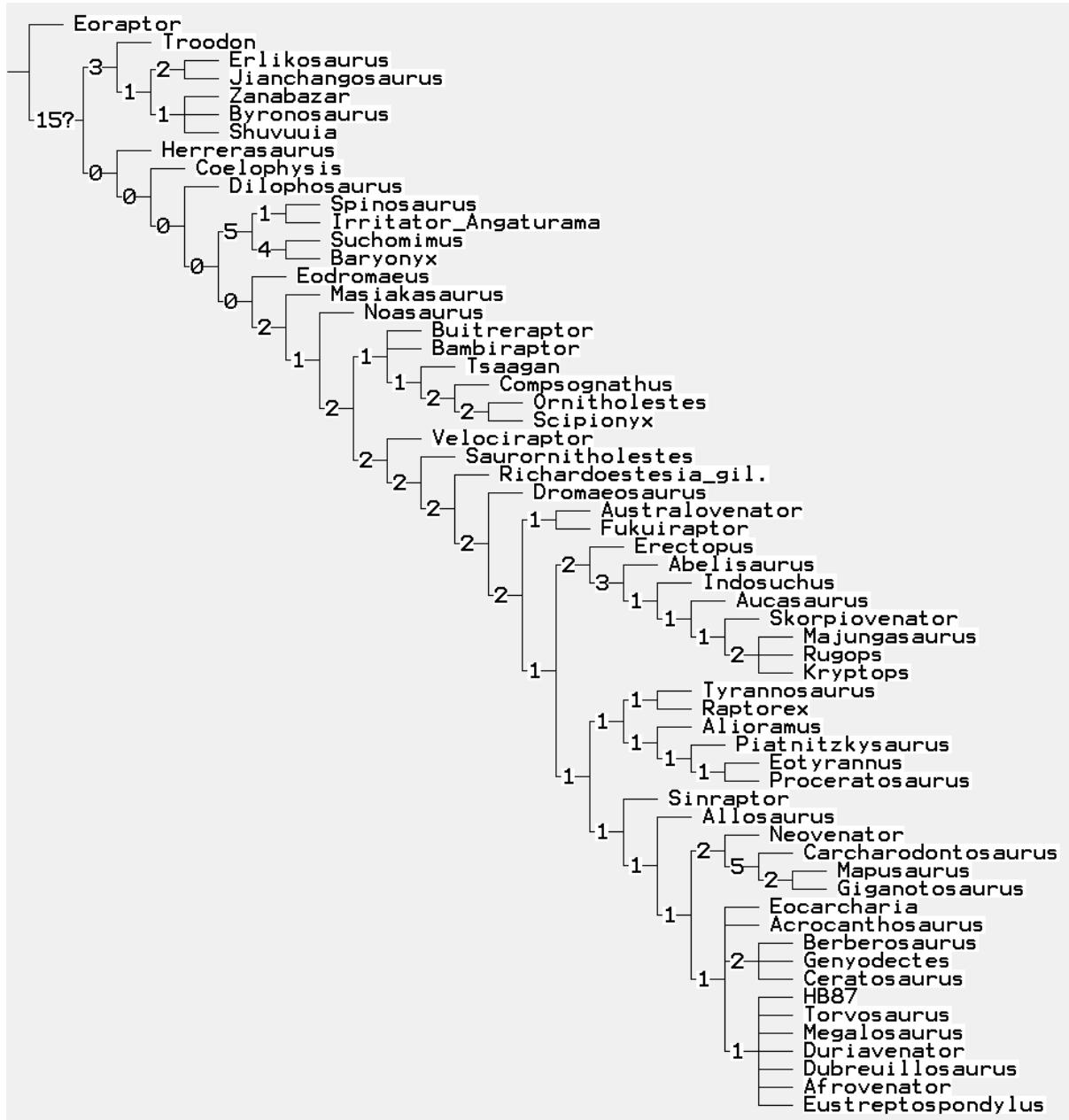


Figure 3. Strict consensus cladogram after seven most parsimonious trees (CI = 0.567, RI = 0.545) obtained from the supermatrix of 1972 discrete characters from Hendrickx & Mateus (2014) with only HB-87 included in the analysis.

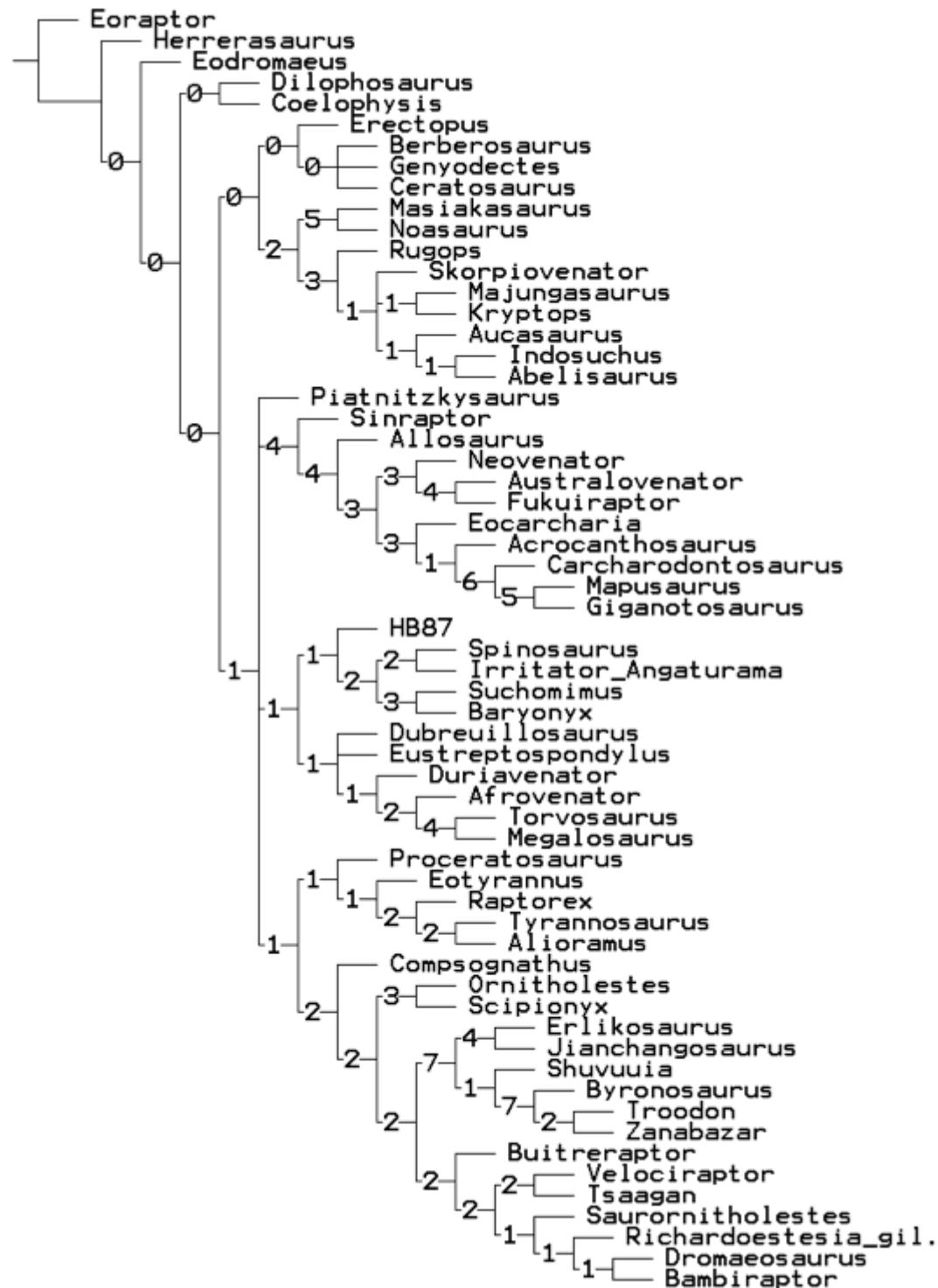
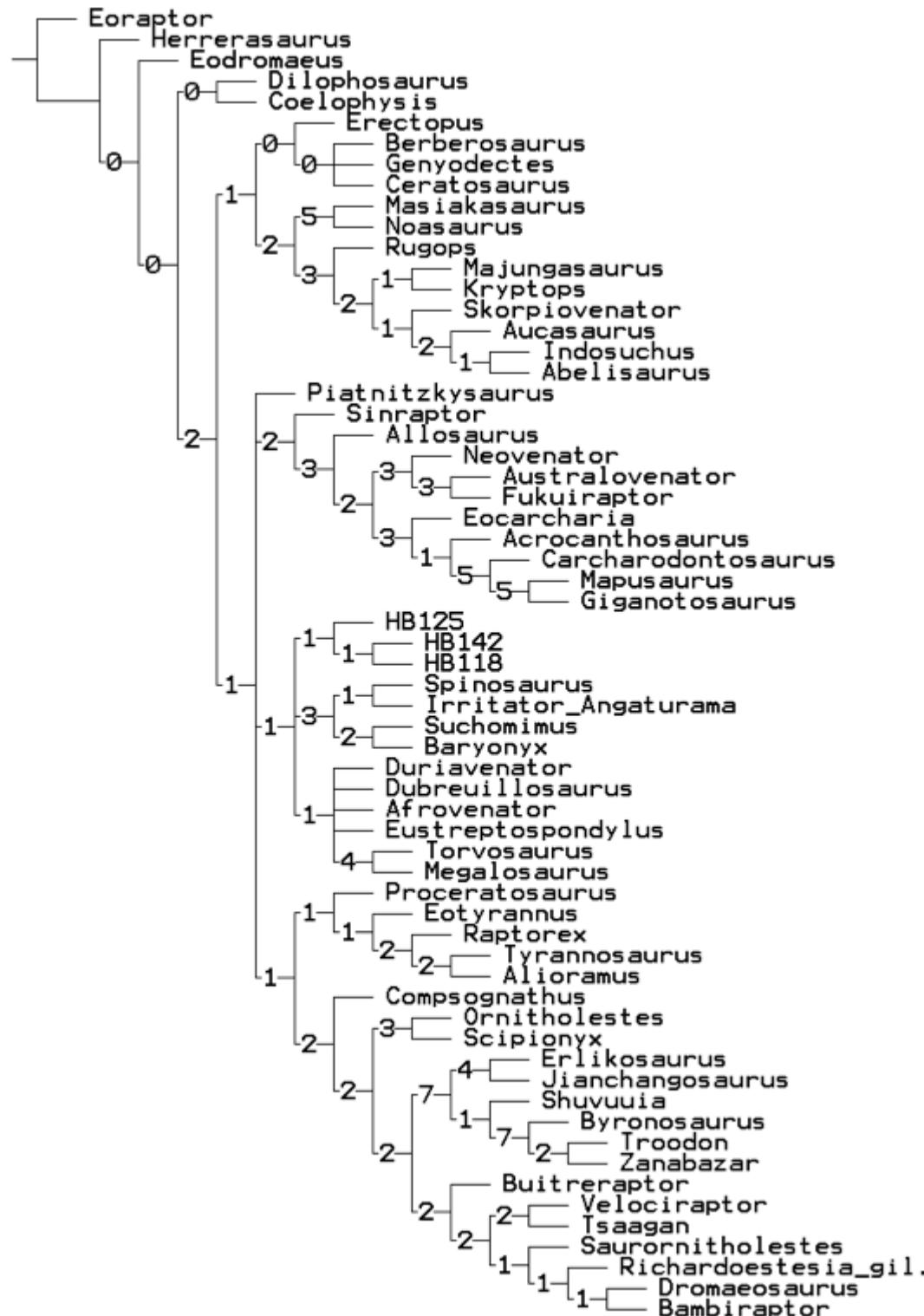


Figure 4. Strict consensus cladogram after seven most parsimonious trees ($CI = 0.565$, $RI = 0.541$) obtained from the supermatrix of 1972 discrete characters from Hendrickx & Mateus (2014) with all HB crowns except HB-87 included in the analysis.



References

- Hendrickx, C. and Mateus, O. 2014. Abelisauridae (Dinosauria: Theropoda) from the Late Jurassic of Portugal and dentition-based phylogeny as a contribution for the identification of isolated theropod teeth. Zootaxa 3759 (1): 1–74. <http://dx.doi.org/10.11646/zootaxa.3759.1.1>