

Supplementary Figures

DateLife: leveraging databases and analytical tools to reveal the dated Tree of Life

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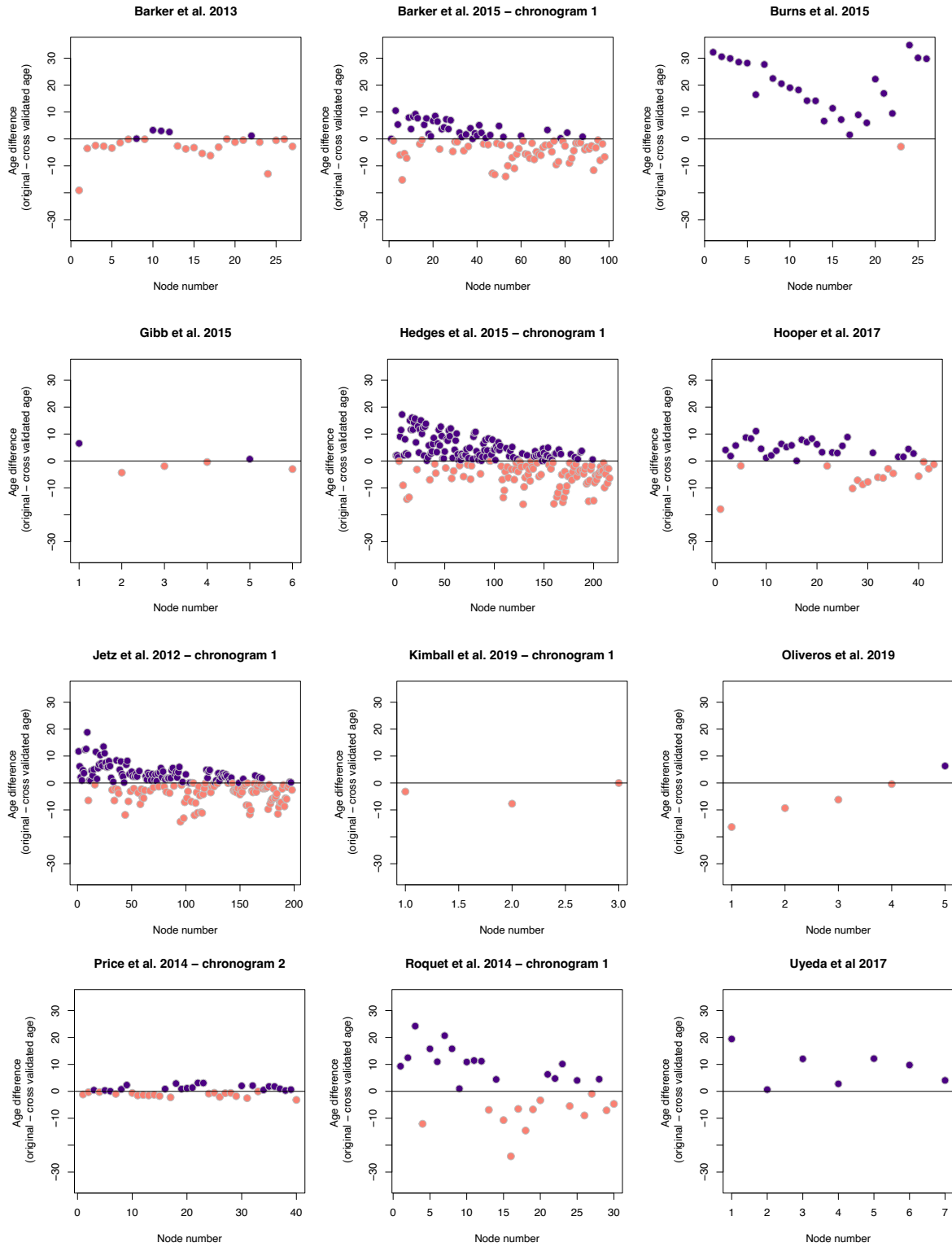
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Supplementary Figures

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1 SUPPLEMENTARY FIGURE 1. Results from cross validation analysis. Each plot shows the
 2 difference between the original age estimated and those obtained with a DateLife analysis,
 3 per node.

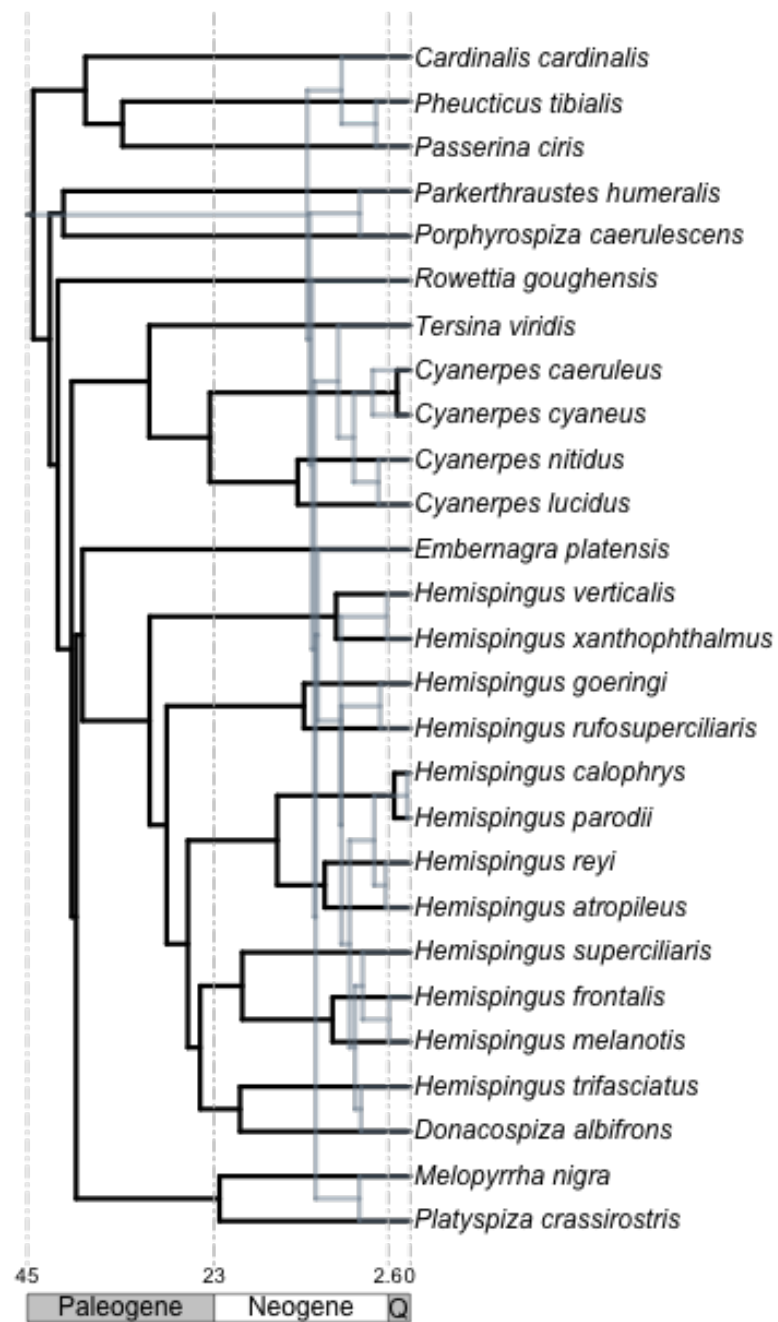
[illegible]

SUPPLEMENTARY FIGURE 2. Cross validation of Barker et al. (2015) chronogram 1. The chronogram shown in black corresponds to the dates published in the original study. The

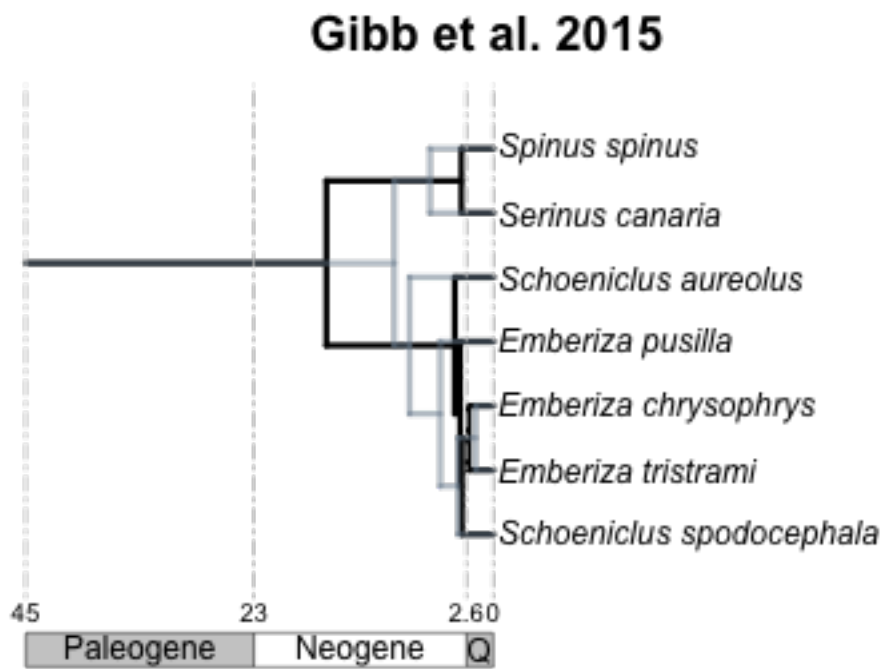
Barker et al. 2015 - chronogram 2



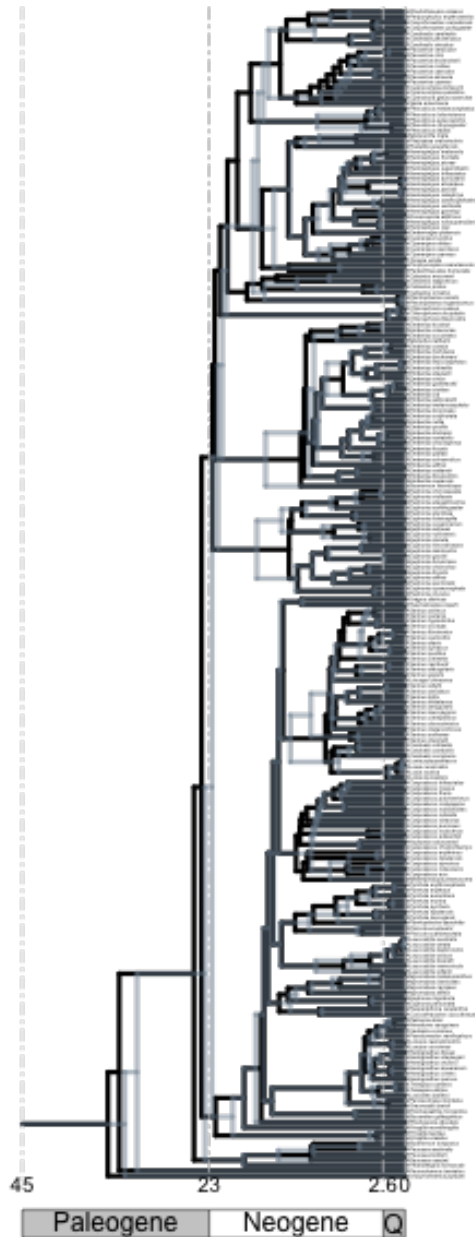
8 SUPPLEMENTARY FIGURE 3. Cross validation of Barker et al. (2015) chronogram 1. The
9 chronogram shown in black corresponds to the dates published in the original study. The

Burns et al. 2015

12 SUPPLEMENTARY FIGURE 4. Cross validation of Burns et al. (2014) chronogram. The
 13 chronogram shown in black corresponds to the dates published in the original study. The



16 SUPPLEMENTARY FIGURE 5. Cross validation of Gibb et al. (2015), chronogram. The
 17 chronogram shown in black corresponds to the dates published in the original study. The
 18 gray chronogram corresponds to the same tree topology dated with BLADJ using node ages
 19 from all other source chronograms as secondary calibrations.

Hedges et al. 2015 - chronogram 1

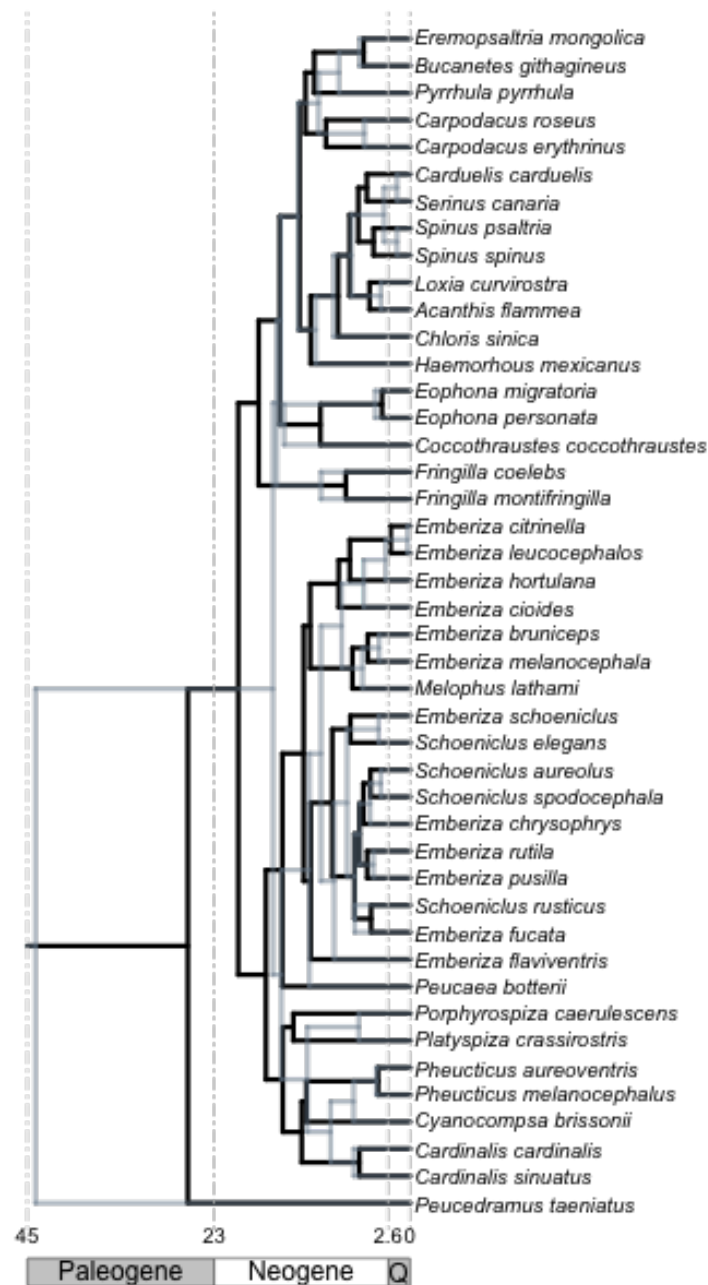
20 SUPPLEMENTARY FIGURE 6. Cross validation of Hedges et al. (2015) chronogram 1. The
 21 chronogram shown in black corresponds to the dates published in the original study. The

Phylogenetic tree of the family Sphenocoryphidae, showing relationships between various genera and species. The tree is rooted at the bottom left with a scale bar of 45. The x-axis represents time in millions of years, with markers at 23 and 2.60. The y-axis lists numerous species names, including Sphenocorypha, Sphenocoryphella, and Sphenocoryphina. The tree is divided into two main sections: Paleogene (left) and Neogene (right).

Paleogene **Neogene** **Q**

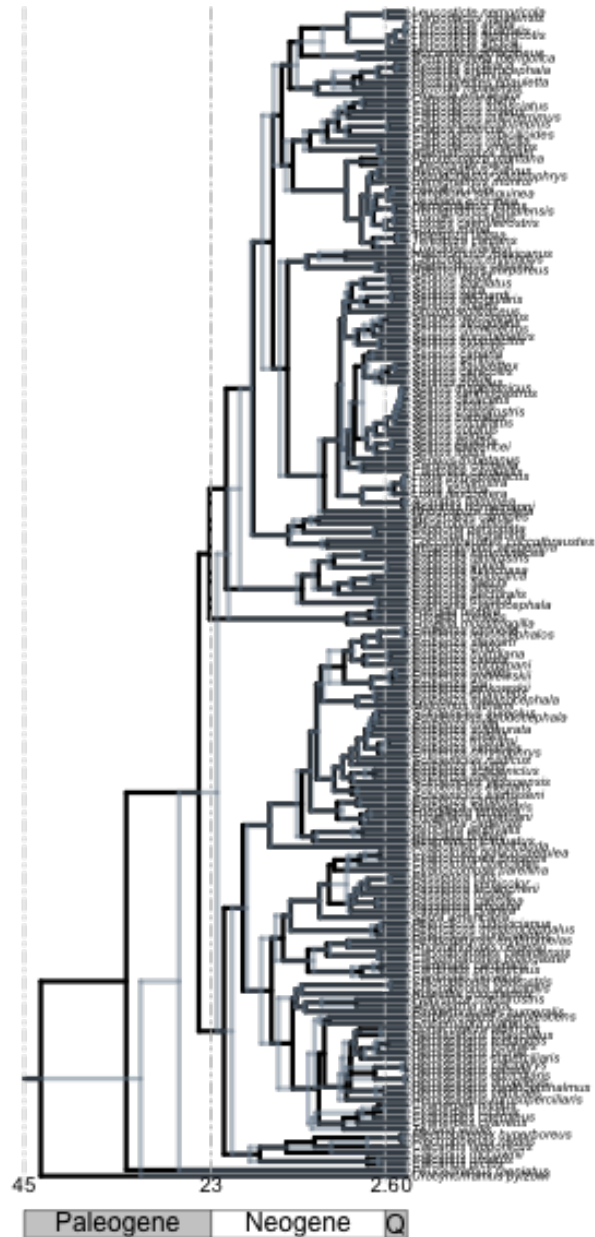
24 SUPPLEMENTARY FIGURE 7. Cross validation of Hedges et al. (2015) chronogram 2. The
25 chronogram shown in black corresponds to the dates published in the original study. The

Hooper et al. 2017



28 SUPPLEMENTARY FIGURE 8. Cross validation of Hooper and Price (2017) chronogram. The
 29 chronogram shown in black corresponds to the dates published in the original study. The

Jetz et al. 2012 - chronogram 1



32 SUPPLEMENTARY FIGURE 9. Cross validation of Jetz et al. (2012) chronogram 1. The
 33 chronogram shown in black corresponds to the dates published in the original study. The