

a) Creating a DateLife search query

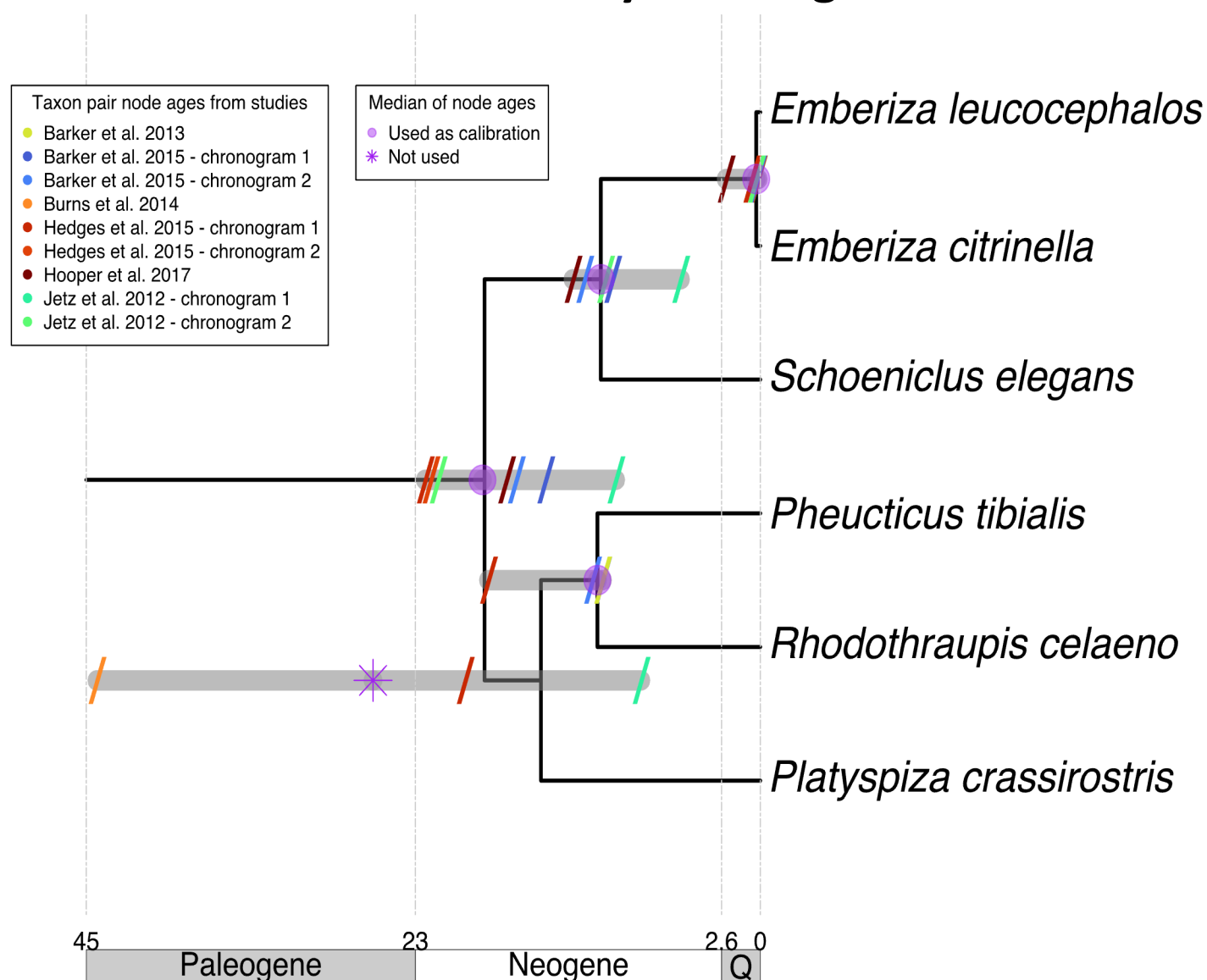
a1) Chose a list of bird species names.

- *Pheucticus tibialis*
- *Rhodothraupis celaeno*
- *Emberiza citrinella*
- *Emberiza leucocephalos*
- ***Emberiza elegans***
- *Platyspiza crassirostris*

a2) Processed species names with **TNRS** and **standardized** to the OpenTree taxonomy.

- *Pheucticus tibialis*
- *Rhodothraupis celaeno*
- *Emberiza citrinella*
- *Emberiza leucocephalos*
- ***Schoeniclus elegans***
- *Platyspiza crassirostris*

Median summary chronogram

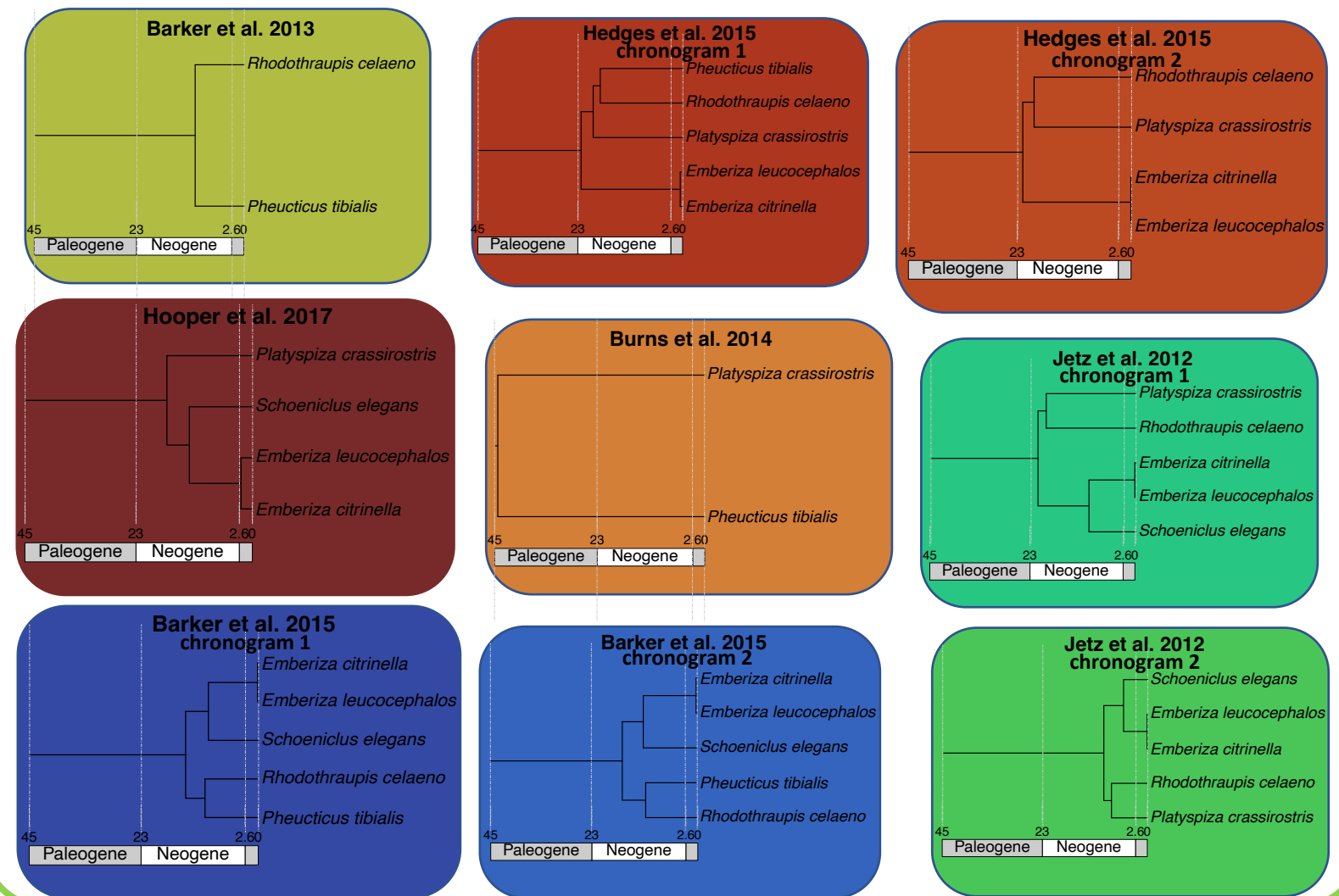


c4) Use summarized ages of congruent nodes to **date the chosen tree topology**.

b) Searching DateLife's chronogram database

b1) Searched processed names across 253 chronogram in DateLife's database v0.6.2

b2) Search resulted in 9 source chronograms from 6 independent, published studies.



c) Summarizing DateLife's search results

c1) Chose a **tree topology** from OpenTree's synthetic phylogeny.

c2) **Congruify** source chronogram nodes to nodes of tree topology. See Table 1.

c3) **Summarize** ages. See Table 2.

