A) Creating a DateLife search query

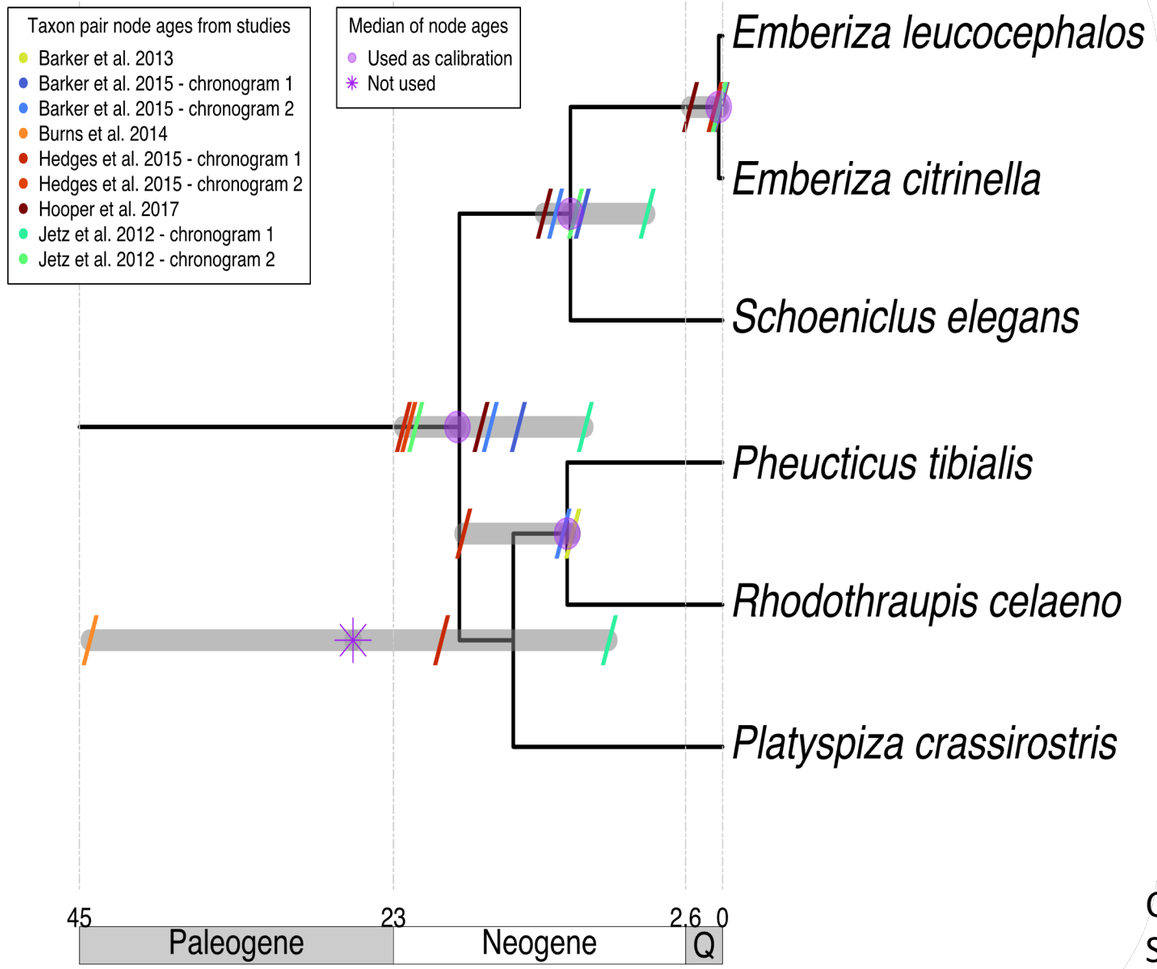
A1) Chose a list of bird species names.

- *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

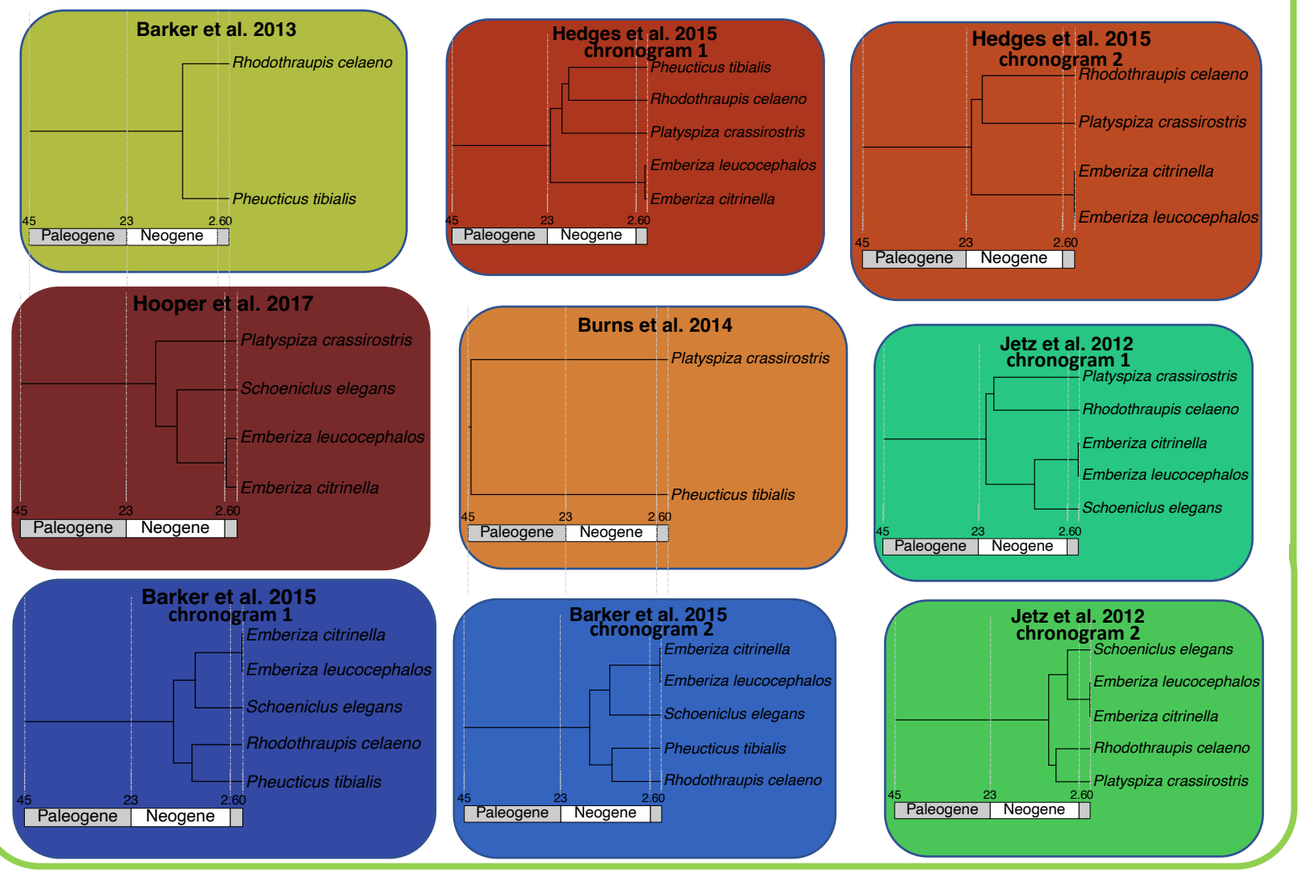


C4) Use ages of congruent nodes to **date a tree topology.**

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 the **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.

Tree topology