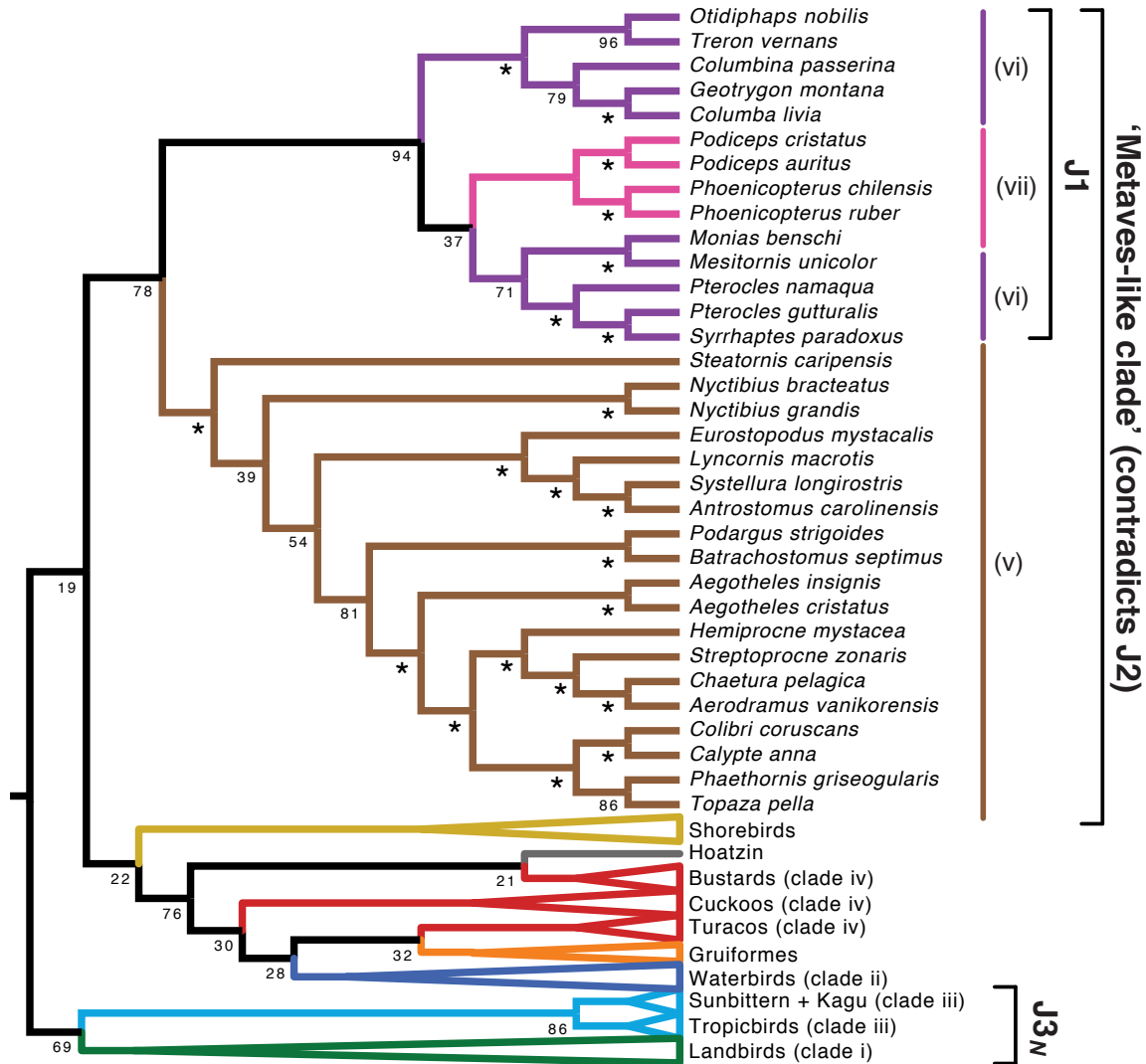


FIGURE S2. The EB2 noJAR J2-contradicting clade is similar to 'Metaves.' Various studies have recovered Metaves, a clade comprising most or all members of clades iii, v, vi, and vii as well as the hoatzin. All of those studies included FGB. Specifically, the studies that recovered Metaves were (A) Fain and Houde (2004) (partially dashed lineages indicate use of a partial oilbird sequence and absence of a potoo in this study); (B) Ericson et al. (2006) and Ericson (2012); (C) Hackett et al. (2008); and (D) Yuri et al. (2013). The Metaves-like clade in the Yuri et al. (2013) indel tree is nested within 'Coronaves.' The 'J2-contradicting clade' in the EB2 noJAR tree (E; next page) includes many 'metavian' taxa (clades v, vi, and vii). The basis for the strong signal in FGB that supports Metaves is unclear (Kimball et al. 2013); the simplest explanation is gene tree-species tree discordance. The EB2 noJAR and EB2 noJAR/noFGB trees are available in Nexus format as Supplementary File S9.

E Early Bird II data (no Jarvis overlap)



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