

Additional file 9 - MrBayes settings for additional data sets.

All data followed the phylogenetic methods used for *Plethodon* except for total number of generations. The generations used for each dataset that was reanalyzed for this study are listed below. Emydid turtles and Phrynosomatid lizards were not reanalyzed because we had access to the MrBayes output files from their respective original study.

Clade	nucDNA generations	mtDNA generations	Combined-data generations
Balistid fish	10 million	10 million	20 million
Scarine fish	10 million	10 million	10 million
Hemiphractid frogs	3 million	3 million	3 million
Hylid frogs	6 million	6 million	6 million
Alcid birds	6 million	6 million	6 million
Caprimulgid birds	10 million	10 million	10 million
Cotingid birds	4 million	4 million	4 million
Dicaeid birds	10 million	10 million	10 million
Cervid mammals	4 million	6 million	6 million
Murid rodents (Philippines)	6 million	6 million	6 million
Murid rodents (Sahul)	10 million	6 million	15 million