

Description of Additional Supplementary Files

Supplementary Data 1. Birds' species list

Supplementary Data 2. ki & network parameters

Supplementary Data 3. Character list

Supplementary Data 4. Character data matrix

Supplementary Data 5. Complexity parameters & scores

Supplementary Data 6. Phylomorphospaces

Supplementary Data 7. Boxplots

Supplementary Data 8. OUM, OU1, BMM, BM1

Supplementary Data 9. Character mapping of the network parameters

Supplementary Data 10. PC versus PCoA

Supplementary Data 11. Birds tree based on Prum et al. (2015) phylogeny

Supplementary Data 12. Abbreviations and muscles synonymy

Supplementary Data 13. Phenograms of network parameters