

Supplementary Data 3. Character list

1. Primary lifestyle (i.e., main substrate type and its use): terrestrial (0), arboreal (1), aquatic (2), hyperaerial (3).
2. Terrestrial, walking: no (0), yes (1).
3. Terrestrial, running: no (0), yes (1).
4. Terrestrial, hopping: no (0), yes (1).
5. Terrestrial, wading: no (0), yes (1).
6. Arboreal, perching: no (0), yes (1).
7. Arboreal, walking: no (0), yes (1).
8. Arboreal, hopping: no (0), yes (1).
9. Arboreal, climbing: no (0), yes (1).
10. Arboreal, hanging (upside down): no (0), yes (1).
11. Aquatic, surface swimming: no (0), yes (1).
12. Aquatic, foot-propelled diving: no (0), yes (1).
13. Aquatic, wing-propelled diving: no (0), yes (1).
14. Aerial, flying: no (0), yes (1).
15. Grasping food/items: no (0), yes (1).
16. Foot type: anisodactyl (0), didactyl (1), tridactyl (2), semizygodactyl (3), zygodactyl (4), pamprodactyl (5), syndactyl (6), lobate (7), semipalmate (8), palmate (9), totipalmate (10), multidactyl* (11).
17. Nest attendance (i.e., the hatchlings ability -or lack of it- to leave the nest at an early age⁴¹): stay -altricial- (0), leave -precocial- (1).

Information about primary lifestyles (Ch1), skills (Ch2-Ch15), and foot types (Ch16) was collected from Birds of the World² and Raikow³.

*We proposed the term 'multidactyl' for *Colius striatus*, since it is able to rotate both the first and fourth digits to either a cranial or a caudal position³⁸.