

Description of Additional Supplementary Files

File Name: **Supplementary Data 1**

Description: **Species data.** Dataset containing the list of species included in the study with the corresponding information on morphological, ecological and life-history traits.

File Name: **Supplementary Data 2**

Description: **Family data.** Dataset containing the list of families included in the study with the number of species living on island and continents, together with average brain size at the family level.