Table S2: The species and specimens for which endocasts were generated from CT scans. Scans of specimens for which we have permission to share data can be found on MorphoSource (<https://www.morphosource.org/>). Institutional abbreviations: AMNH, American Museum of Natural History; CM, Carnegie Museum of Natural History; FMNH, Field Museum of Natural History; MMP, Museo Municipal de Ciencias Naturales Lorenzo Scaglia; NHMUK, Natural History Museum, London; OUVC, Ohio University Vertebrate Collections; USNM, Smithsonian National Museum of Natural History.

| **Species** | **Specimen** |
| --- | --- |
| *Agelaius phoeniceus* | OUVC 10682 |
| *Amazilia tzacatl* | USNM Birds 613408 |
| *Anas platyrhynchos* | USNM Birds 631963 |
| *Apteryx australis* | USNM Birds 18278 |
| *Apus apus* | CM Birds S-15896 |
| *Archaeopteryx lithographica* | NHMUK PAL PV OR 37001 |
| *Ardea cinerea* | USNM Birds 343978 |
| *Bonasa umbellus* | AMNH Birds SKEL 21616 |
| *Bubo virginianus* | OUVC 10220 |
| *Bubulcus ibis* | OUVC 10895 |
| *Buteo swainsoni* | AMNH Birds SKEL 18788 |
| *Colinus virginianus* | AMNH Birds SKEL 2310 |
| *Columba livia* | OUVC 10567 |
| *Crypturellus tataupa* | AMNH Birds SKEL 8560 |
| *Dacelo novaeguineae* | USNM Birds 612711 |
| *Dinornis robustus* | FMNH PA 35 |
| *Dromaius novaehollandia* | OUVC 10515 |
| *Fulica americana* | OUVC 10846 |
| *Junco hyemalis* | OUVC 10369 |
| *Larus philadelphia* | FMNH Birds 390488 |
| *Lithornis plebius* | USNM PAL 336534 |
| *Llallawavis scagliai* | MMP 5050 |
| *Meleagris gallopavo* | OUVC 10599 |
| *Melopsittacus undulatus* | OUVC 10569 |
| *Mergus serrator* | USNM Birds 560276 |
| Miocene galliform | AMNH FR 8629 |
| *Nyctidromus albicollis* | USNM Birds 612302 |
| *Paraptenodytes antarcticus* | AMNH FR 3338 |
| *Passer domesticus* | OUVC 10850 |
| *Phalacrocorax auritus* | OUVC 10644 |
| *Picoides pubescens* | FMNH Birds 290218 |
| *Psilopterus lemoinei* | AMNH FR 9257 |
| *Psittacus erithacus* | OUVC 10840 |
| *Ptilinopus superbus* | USNM Birds 558285 |
| *Rhea americana* | CM Birds S-9197 |
| *Scolopax rusticola* | USNM Birds 292760 |
| *Spheniscus magellanicus* | USNM Birds 347603 |
| *Sphyrapicus varius* | USNM Birds 502654 |
| *Steatornis caripensis* | AMNH Birds SKEL 3167 |
| *Thalassarche melanophrys* | AMNH Birds SKEL 23506 |
| *Tyto alba* | OUVC 10311 |