Figure S4  **Bone histology of humeri in sampled birds stained to highlight cement lines.** Sections stained with toluidine blue reveal arrest lines and canals of secondary osteons, which were excluded from analysis. Representative views are from the caudal octant of (A) *Phalaenoptilus nuttalli*, (B) *Nothura darwinii*, (C) *Crypturellus boucardi*, (D) *Crypturellus cinnamomeus*, (E) *Columba livia*, (F) *Nothoprocta cinerascens*, (G) *Nothocercus nigrocapillus*, (H) *Eudromia elegans*, and (I) *Tinamus major*. Periosteal surface points up in each panel. Scale bar equals (A) 200 μm, (B & G) 480 μm, (C, D, F, & I) 600 μm, (E) 400 μm, and (H) 800 μm. Digital slides are available at [http://paleohistology.appspot.com](http://paleohistology.appspot.com).