



Figure S2 **Collagen fiber orientation of humeri in sampled birds.** Representative views are from the dorsal octant of (A) *Phalaenoptilus nuttallii*, (B) *Nothura darwini*, (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) 300  $\mu\text{m}$ , (B & E) 480  $\mu\text{m}$ , (C, D, F & G) 600  $\mu\text{m}$ , and (H & I) 800  $\mu\text{m}$ . Digital slides are available at <http://paleohistology.appspot.com>.