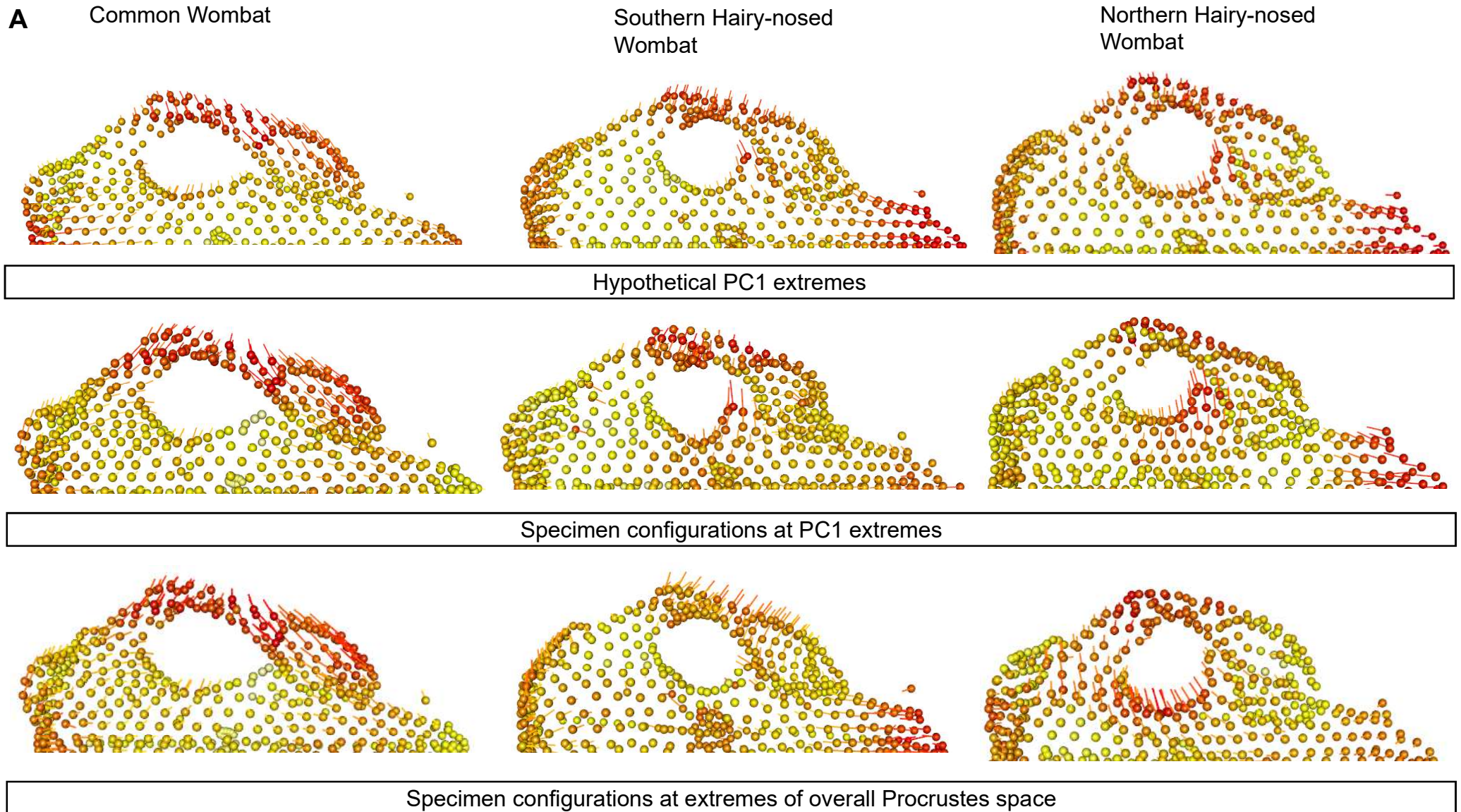


**Additional File 3:** Representations of shape variation in the specimen pairs tested in the landmark tests. Spheres are the position of one landmark of one shape, lines represent the displacement of the same landmark in the other shape. Colour heat reflects displacement magnitude (red/yellow = high/low displacement). The comparisons have no specified direction, so that shapes were compared so that the landmarks on the zygomatic arch (cranium)/incisor root area (mandible) were pointing outwards in all specimens for ease of comparison. A, Cranium; B, Mandible

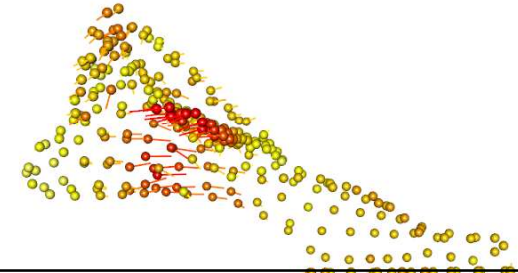
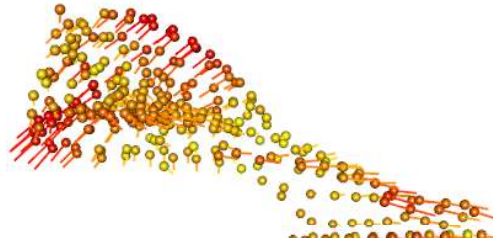
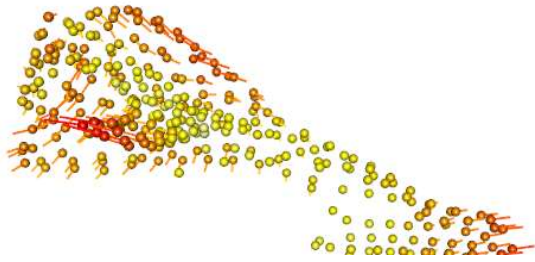


**B**

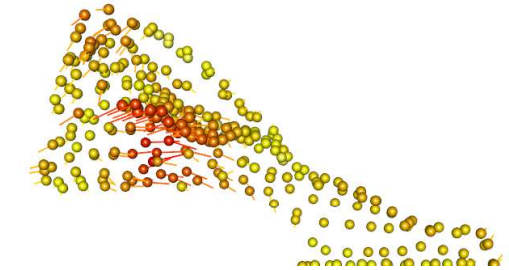
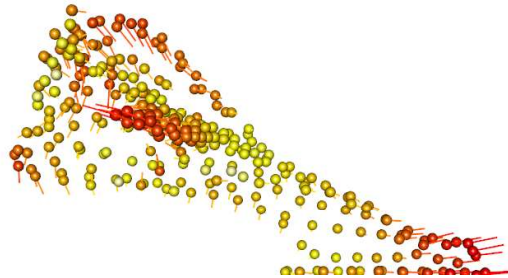
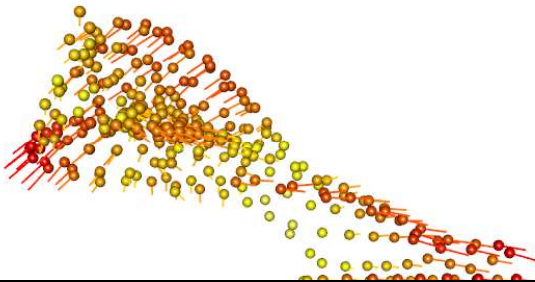
Common Wombat

Southern Hairy-nosed  
Wombat

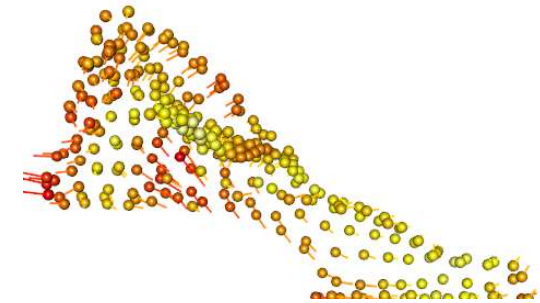
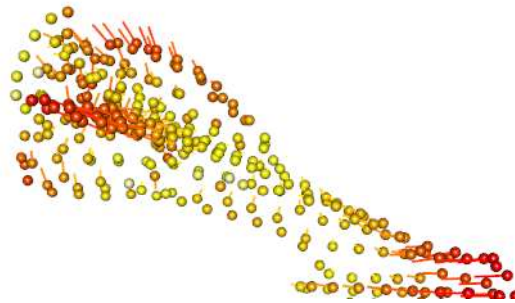
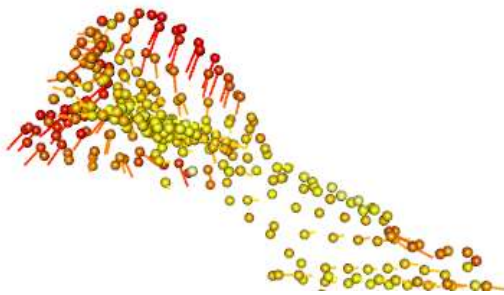
Northern Hairy-nosed  
Wombat



Hypothetical PC1 extremes



Specimen configurations at PC1 extremes



Specimen configurations at extremes of overall Procrustes space