

## Electronic Supplementary Materials: Online Resource 4

### Comparison of the skull of Brown Skua (*Catharacta antarctica lonnbergi*) and South Polar Skua (*Catharacta maccormicki*): differentiation source identification and discriminant analysis.

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**Online Resource 4.** Landmarks for the mandible in dorsal view. Landmark Z is at the distal end of the *processus mandibulae medialis*. Landmark Y is between the *cotyla lateralis* and the *cotyla medialis*. Landmark X is on a tubercle that divides the *cotyla lateralis* into two parts. Landmark W is the laterocranial margin of the *cotyla lateralis*. Landmark V is over the medial end of a crest developed cranially to the *cotyla lateralis*. Landmark U is over a tubercle located at the medial limit of the *cotyla lateralis*, and landmark T is on the intercotylar tubercle. Deformation grids are given at both ends of the axes, in order to show variation along the main directions. Specimens belonging to *Catharacta maccormicki* are represented by white squares, whereas *Catharacta antarctica lonnbergi* are the black stars. Consensus configuration is shown in the middle of the biplot, with the corresponding vectors and landmarks of each analyzed specimen.

