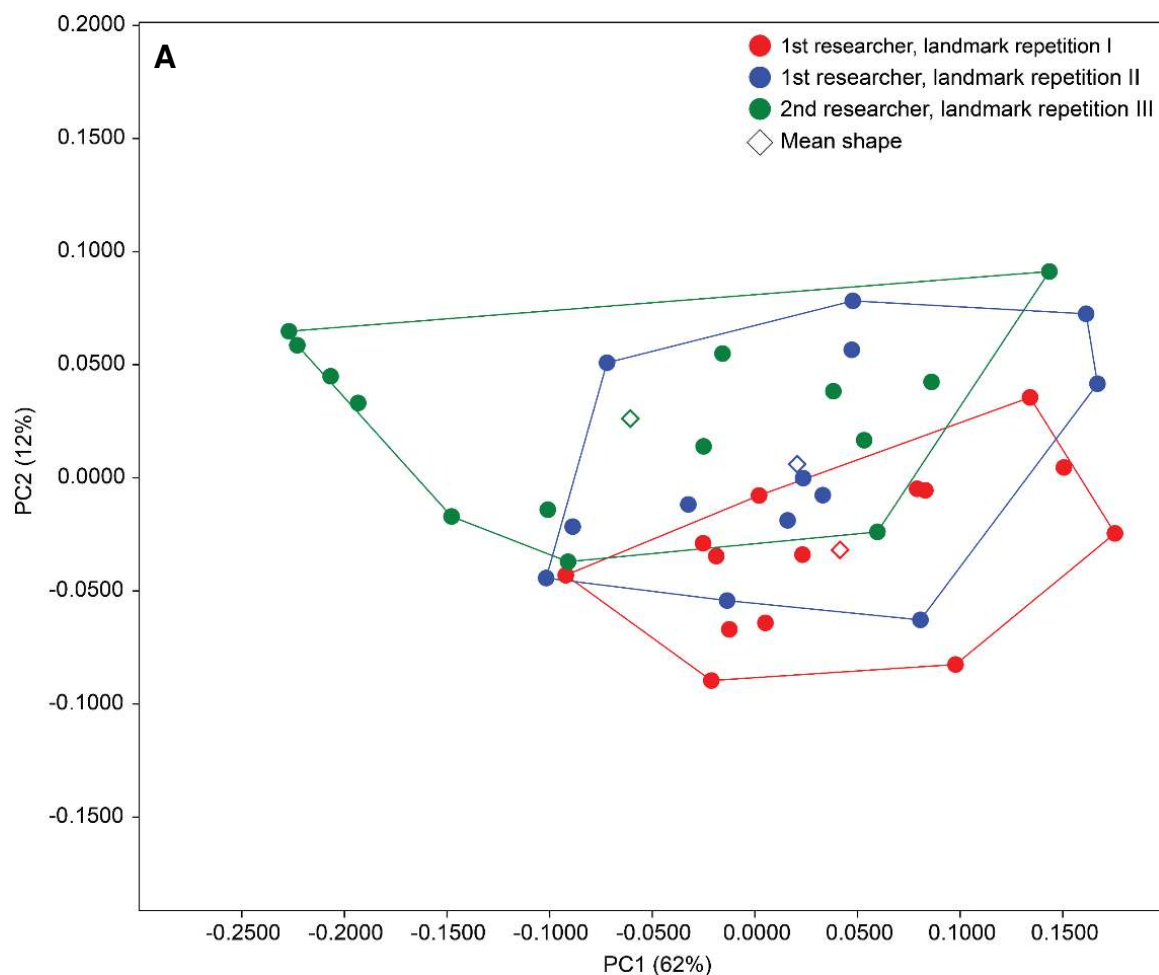


Appendix S2. (A) Principal Component Analyses (PCA) showing the reliability of selecting an optimal 2D slice and landmarking the internal whorls; no significant difference was found between repetitions ( $R=0.15$ ,  $p=0.15$ ) (B) Examples of superimposed outlines of internal whorls of randomly selected specimens carried out by a single researcher on the optimal 2D slices that were selected by the two independent researchers (C) PCA showing the validity of combining different data sources based on shape analysis of two specimens of *Eunerinea?* sp. (GSI 3161, GSI 3162) that were CT-scanned and then polished and their cross-sections photographed.



**B**