The following supplement accompanies the article

Sea turtle population structure and connections between oceanic and neritic foraging areas in the Atlantic revealed through trace elements

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Supplement. Bi-dimensional scatterplots with the 95% credible intervals for each of the clusters suggested by the model-based cluster analysis of the trace elements in the scute of sea turtles in the Atlantic Ocean.

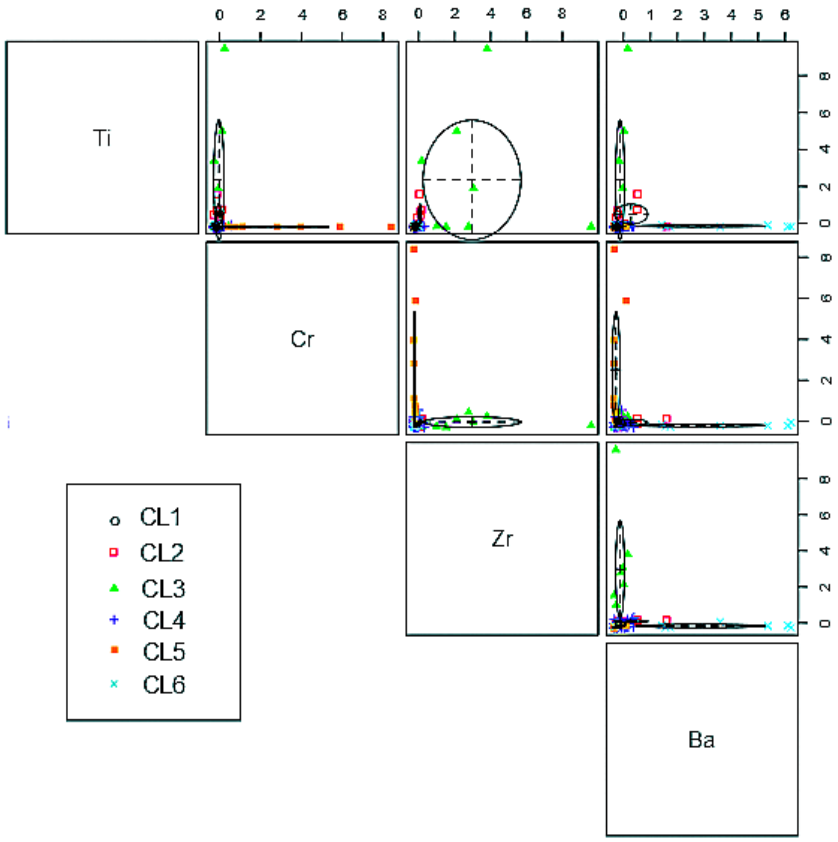

Fig. S1. Paired bi-plots with 95% credible intervals of the 6 clusters formed with the 4 most informative trace elements suggested by the model-based cluster analysis. Cluster 3 is defined by high concentration and large variation of titanium and zirconium; Cluster 5 is defined by high concentration and large variation of chromium; Cluster 6 is defined by a somewhat high concentration and large variation of barium. Cluster 2 has high concentration and low variation of titanium and barium. Clusters 2 and 4 have low concentrations and low variation of the 4 elements which makes them indistinguishable in this graph

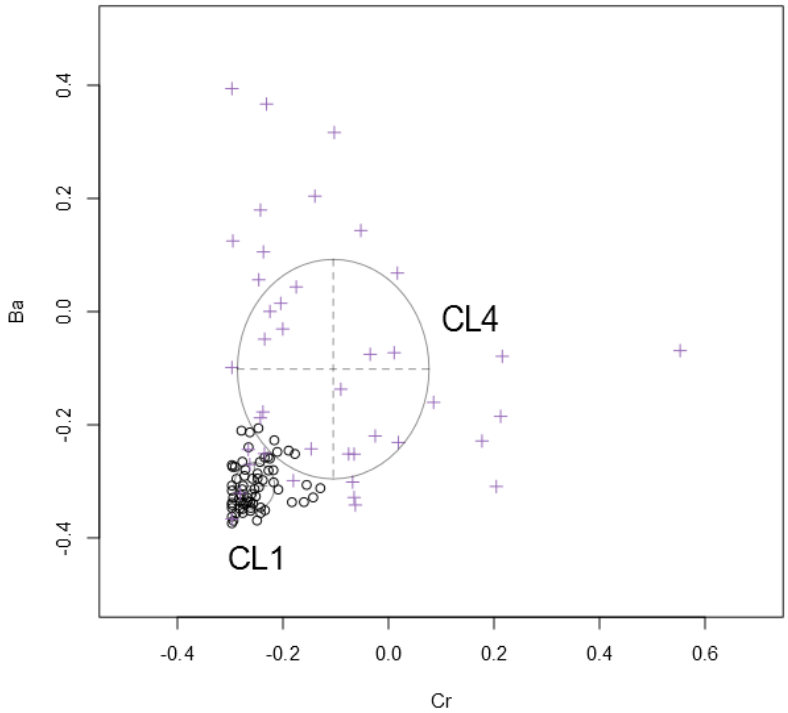

Fig. S2. Biplot of chromium and barium, the 2 elements that best define Clusters (CL) 1 and 4, showing the separation of these clusters. Concentrations of these elements is low and significantly different. This graph is a close up of the graph in column 4, row 2 of Fig. S1 and is only showing 2 of the 6 clusters. Note the change of scale

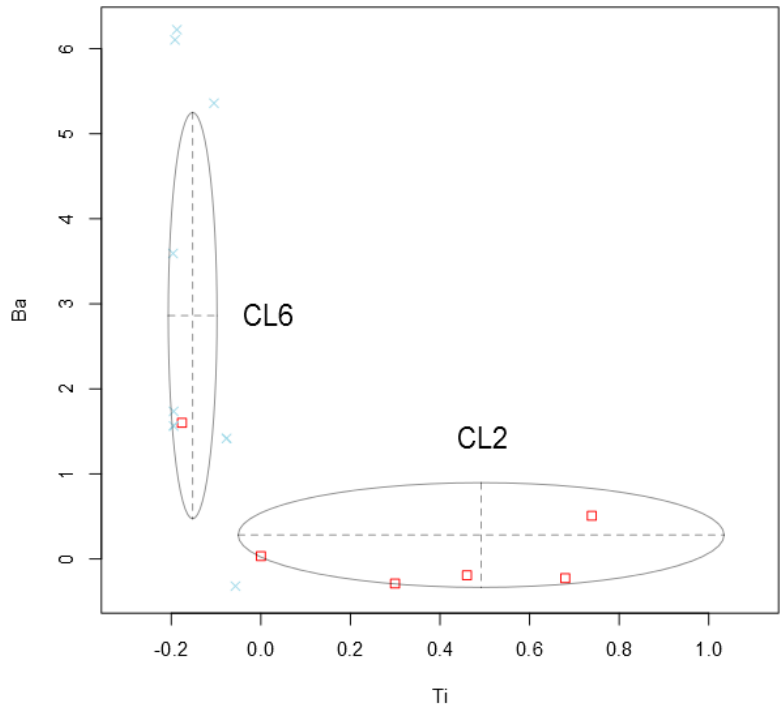

Fig. S3. Biplot of titanium and barium, the 2 elements that best define Clusters 2 and 6, showing the separation of these clusters. Concentrations of barium and titanium are significantly different between these 2 clusters. This graph is a close up of the graph in column 4, row 1 of Fig. S1 and is only showing 2 of the 6 clusters. Note the change of scale

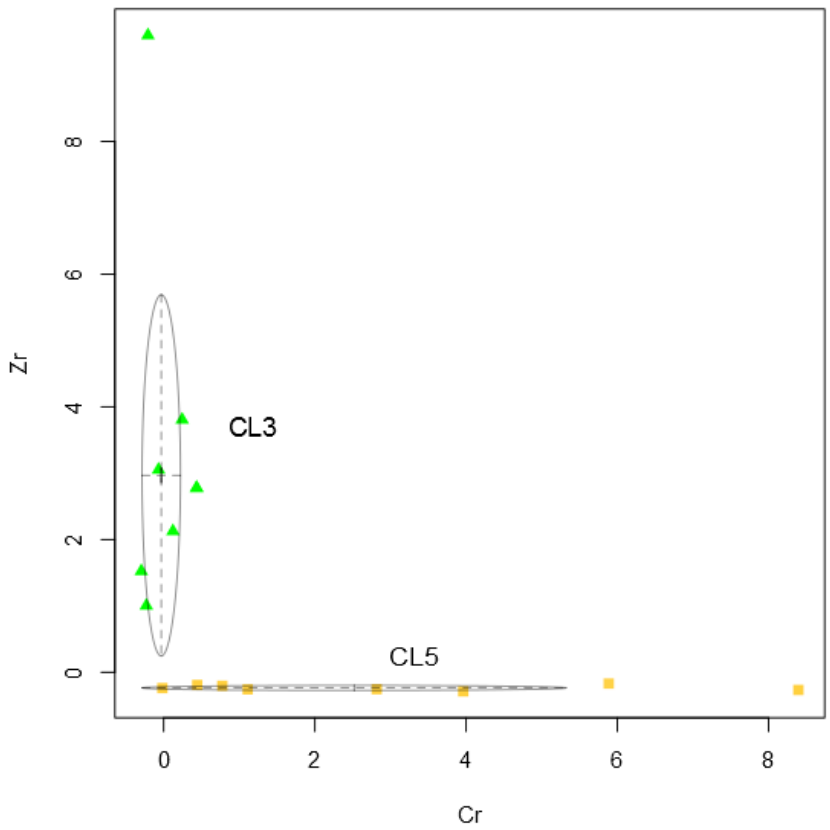

Fig. S4. Biplot of chromium and zirconium, the 2 elements that best define Clusters 3 and 5, showing the separation of these clusters. Concentrations of chromium and zirconium are significantly different between these clusters. This graph is a close up of the graph in column 3, row 2 of Fig. S1 and is only showing 2 of the 6 clusters. Note the change of scale