Supplementary material
SUPPLEMENTARY MATERIAL

**Common Guillemot and Razorbill museum collection information**

The Common Guillemot museum collection eggs (n = 110) were from the National Museum Wales and consisted of eggs from the following colonies within the county of Pembrokeshire:

- ‘Pembrokeshire Islands’ (n = 7)
- Skomer Island (n = 3)
- Ramsey Island (n = 7)
- Grassholm (n = 11)
- ‘Caraig Rasson, Pembrokeshire’ (n = 28)
- North Bishop (n = 54)

The Razorbill museum collection eggs (n = 86) were from the National Museum Wales and consisted of eggs from the following colonies within the county of Pembrokeshire:

- North Bishop (n = 42)
- ‘Caraig Rasson, Pembrokeshire’ (n = 8)
- ‘Pembrokeshire Islands’ (n = 10)
- Ramsey Island (n = 20)
- Skomer Island (n = 3)
- Grassholm (n = 3)
Comparisons of shape indices between breeding seasons for the Common Guillemot and Razorbill field egg collections

Comparing Common Guillemot eggs collected on Skomer Island during the 2014-2018 breeding seasons, we found no significant differences in the mean pointedness (ANOVA: $F_{(4, 274)} = 0.91, p = 0.46$), elongation (ANOVA: $F_{(4, 274)} = 1.57, p = 0.18$) and polar asymmetry (ANOVA: $F_{(4, 274)} = 0.63, p = 0.64$) across different breeding seasons. Similarly, we found no significant differences in the mean pointedness (ANOVA: $F_{(3, 54)} = 1.17, p = 0.33$), elongation (ANOVA: $F_{(3, 54)} = 0.41, p = 0.74$) and polar asymmetry (ANOVA: $F_{(3, 54)} = 0.51, p = 0.68$) between Razorbill eggs collected across the 2015-2018 breeding seasons.