

1 Electronic Supplementary Material 2 (ESM2)

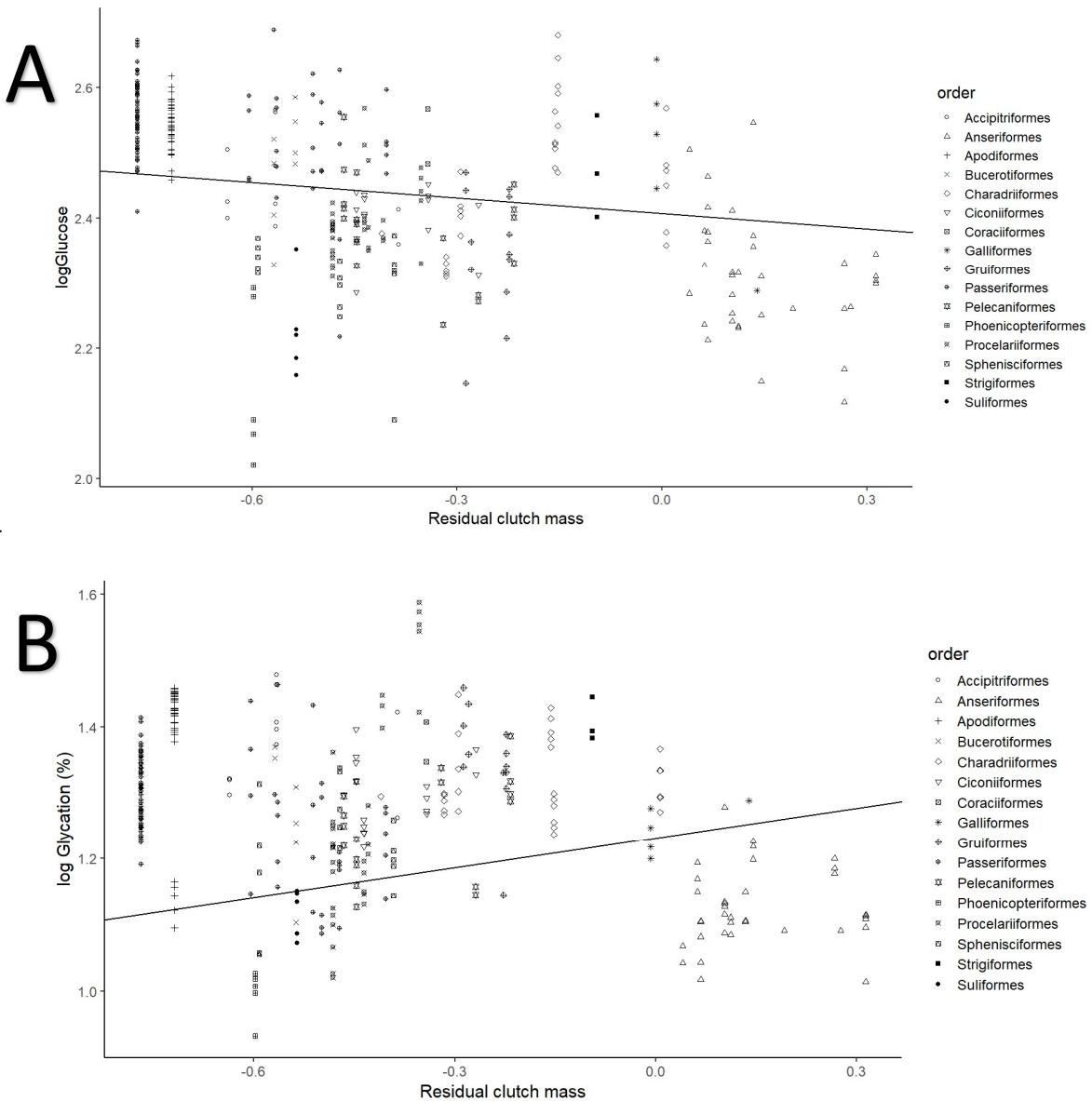
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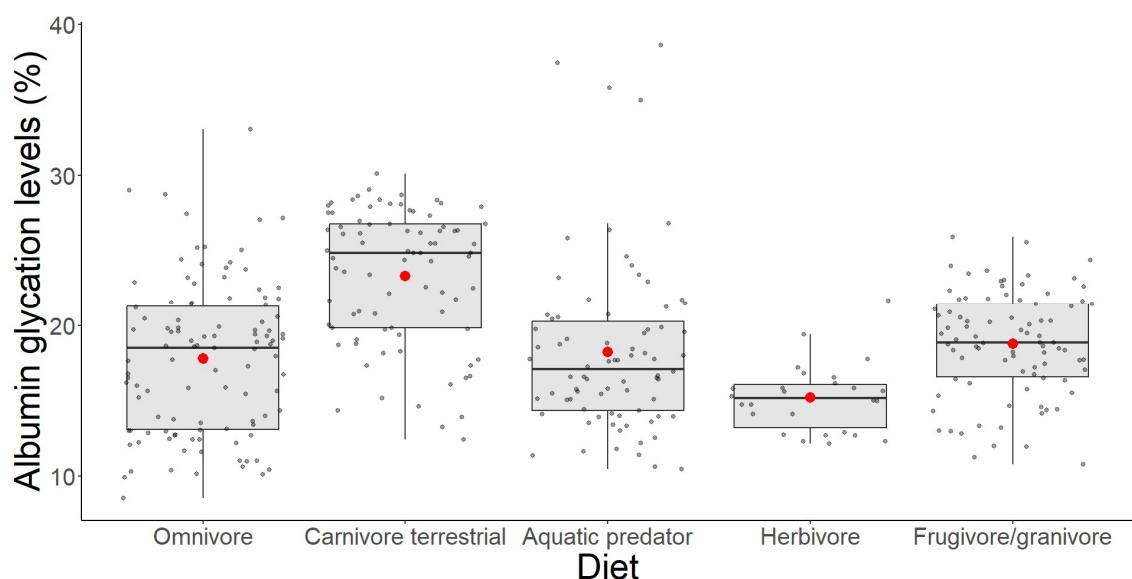
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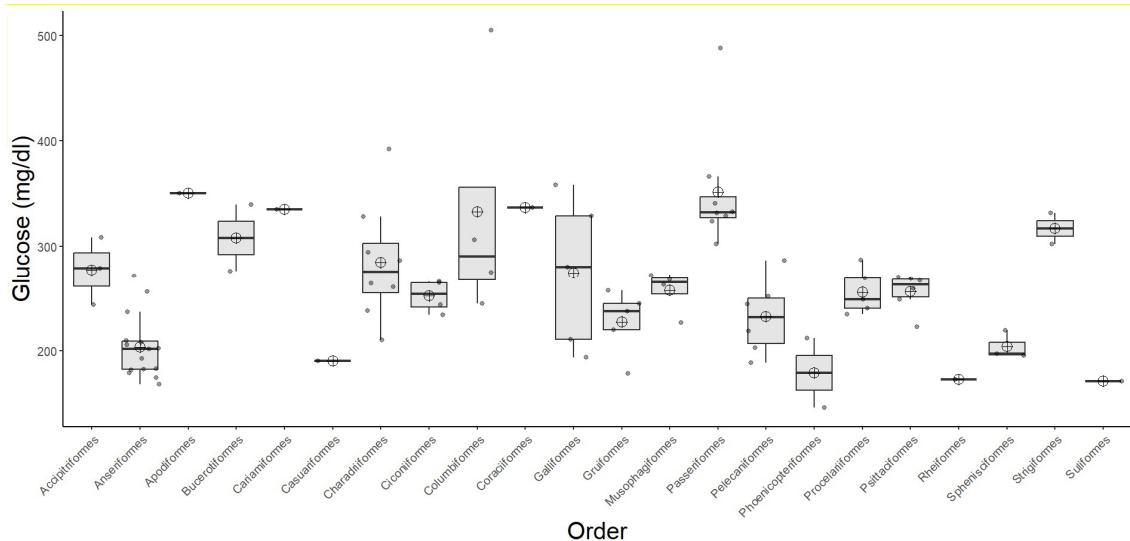
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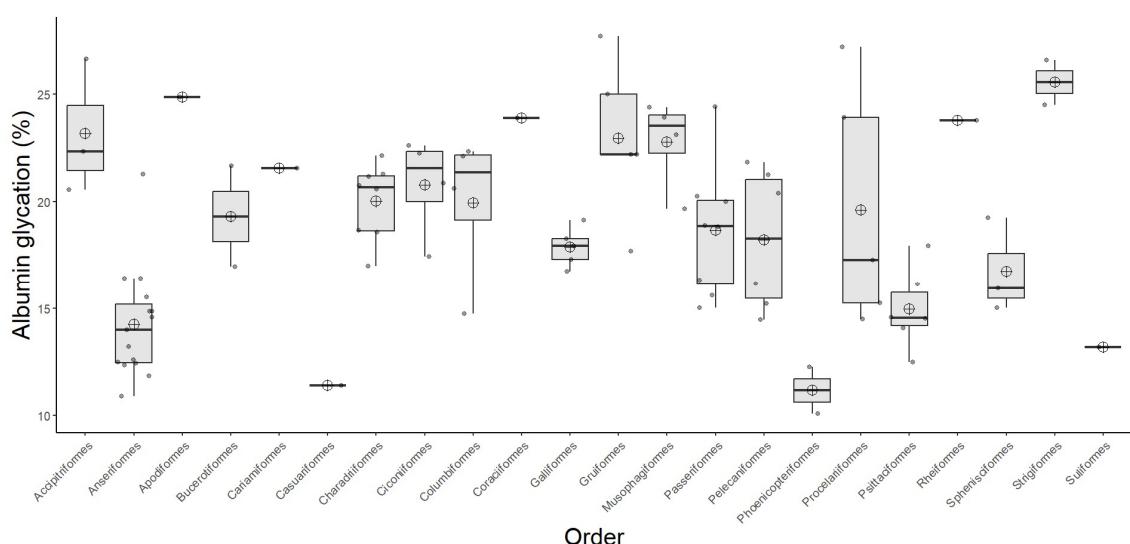


6 **Figure ESM2.1.** Variation in **A** \log_{10} (plasma glucose) in mg/dl and **B** \log_{10} (albumin glycation) levels (%)
7 with respect to residuals of body mass-adjusted clutch mass of the species. This is calculated by
8 multiplying egg mass times clutch size, and then performing a pGLS (see ESM6) of the decimal logarithm
9 of this value against the decimal logarithm of body mass, to finally extract the residuals of such
10 regression. Glycation levels are reported as a percentage of glycated albumin versus total albumin. The
11 legends at right show the different orders to which our species belong.

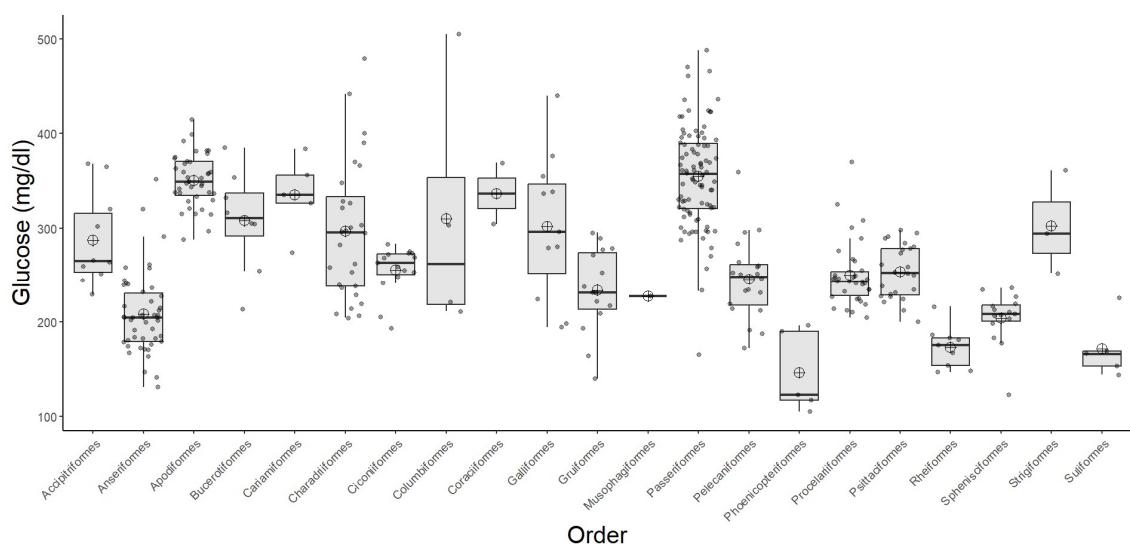


A1

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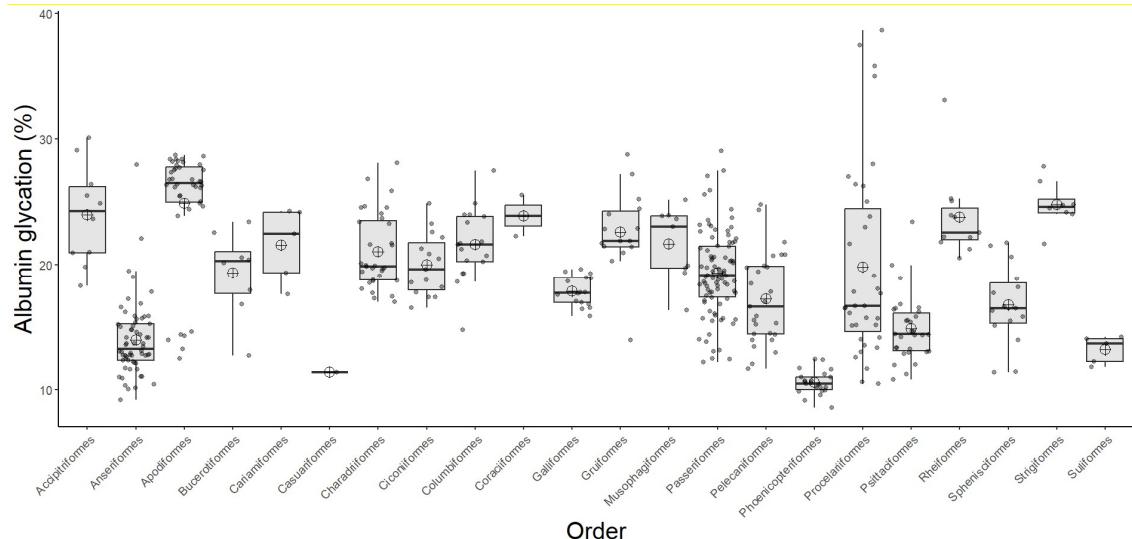
A2

19

B1

20

B2



21

22 **Figure ESM2.3.** Variation in (A1-B1) plasma glucose levels in mg/dl and (A2-B2) albumin glycation rates
23 across birds' orders included in our study. Panel A represents average species values and B includes
24 individual values.