# Appendix S2: Complete results from generalized least squares and generalized linear models

1. Energetic compensation GLS
2. Total energy use GLS
3. Small granivore proportional abundance GLM
4. *C. baileyi* proportional abundance GLM
5. *E. ciculatum* proportional abundance GLM

All analyses were conducted in R version 4.0.3 on a MacBook Air running macOS Catalina 10.15.7. Key statistical packages used are *nlme* 3.1-149 (Pinheiro et al. 2020) and *emmeans* 1.5.4 (Lenth 2021).

## Energetic compensation GLS

Formula:

compensation ~ time period, correlation = corCAR1(form = ~ census period)

For the overall significance of the time period effect, we compare an intercept-only model, with temporal autocorrelation, to the above model (see <https://stats.stackexchange.com/questions/13859/finding-overall-p-value-for-gls-model>).