Ecography

ECOG-04307

Dantas, D. D. F., Caliman, A., Guariento, R. D., Angelini, R., Carneiro, L. S., Lima, S. M. Q., Martinez, P. A. and Attayde, J. L. 2019. Climate effects on fish body size-trophic position relationship depend on ecosystem type. – Ecography doi: 10.1111/ecog.04307

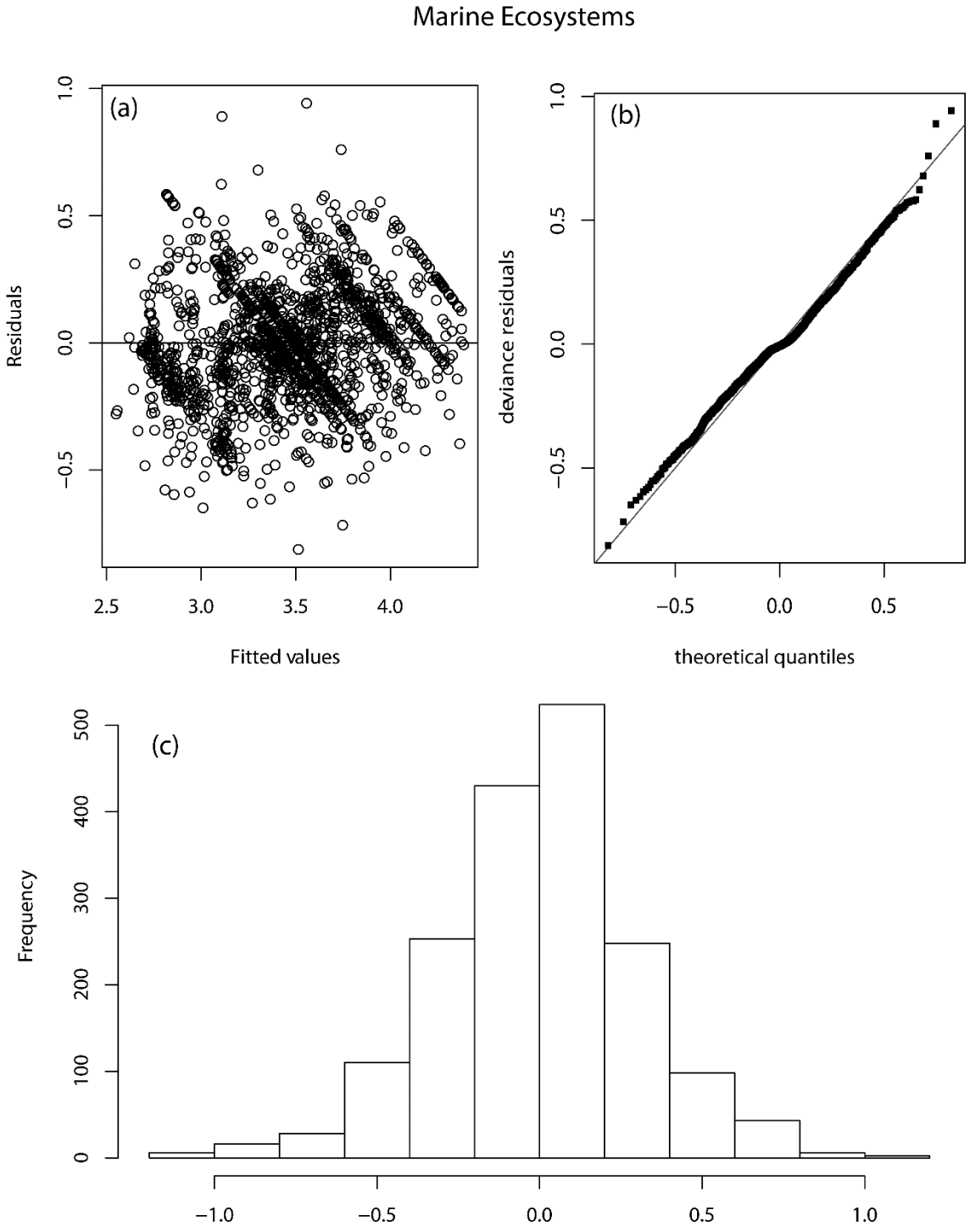
Appendix 1. Taxa, and associated features, used for the current study. Supplied in a separate file: Appendix_1.csv

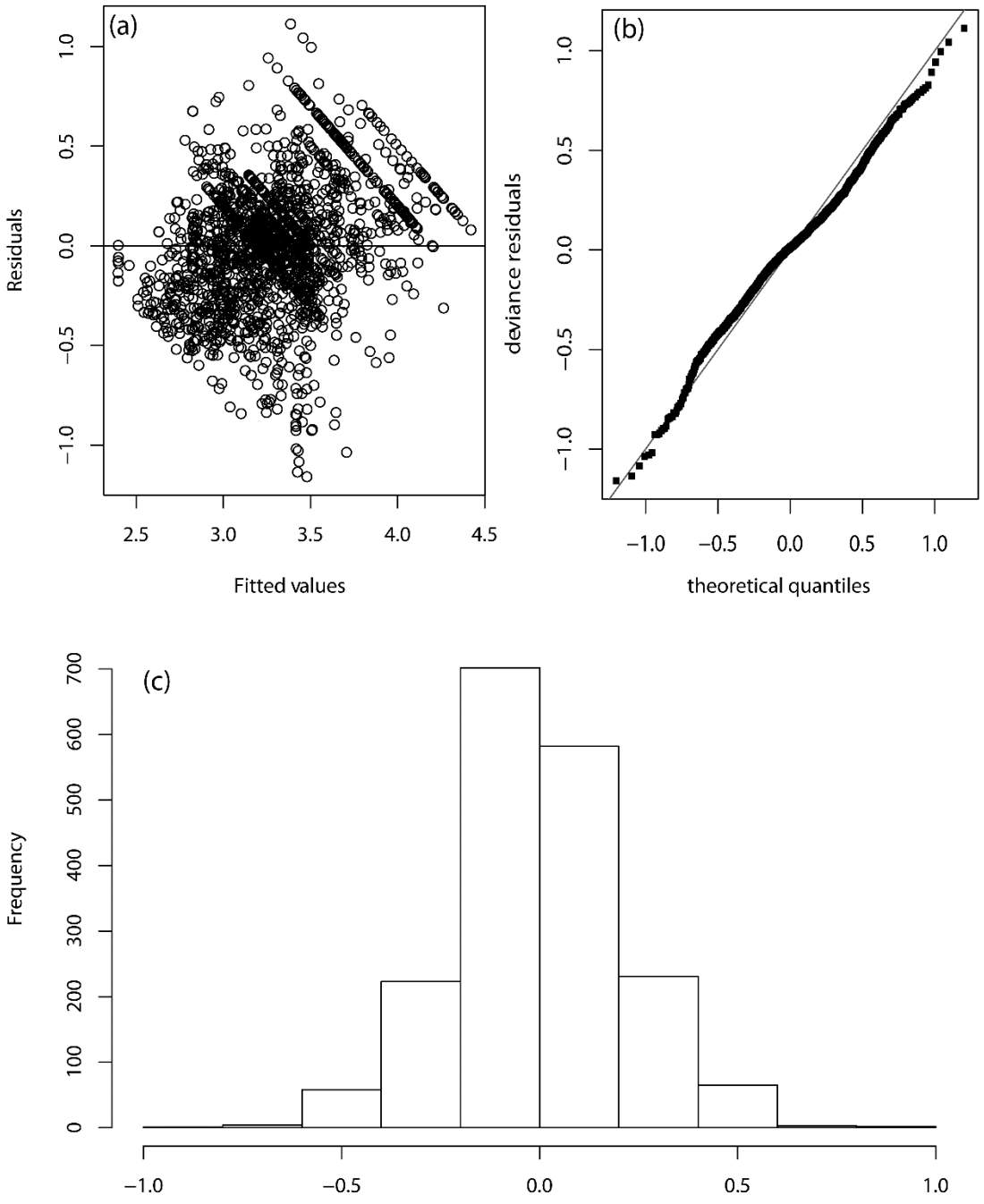
Appendix 2. R script for the analysis and graphs produced. Supplied in a separate file: Appendix_2.R

Appendix 3. Properties of the general additive mixed model used to fit the species trophic position as the response variable. Next page

Appendix 3

Residuals versus fitted values (a), quantile-quantile plot for total errors (b) and histogram of model residuals (c) produced for the general additive mixed model used to fit the species trophic position as the response to species body size. Climate (Temperate or Tropical) and body length were included as fixed variables, and genus and family and order were included as random factors. Results are presented for both ecosystem types (marine and freshwater).




(a)
Residuals
Fitted values
(b)
deviance residuals
theoretical quantiles
(c)
Frequency