

Ulrich, W., Soliveres, S., Kryszewski, W., Maestre, F. T. and Gotelli, N. J. 2014. Matrix models for quantifying competitive intransitivity from species abundance data. – Oikos doi: 10.1111/oik.01217

## Appendix 1

This Appendix consists of three different files.

Supplement A. A text file with the source code of the Fortran software application Transitivity (Ulrich 2013; <[www.keib.umk.pl/transitivity/](http://www.keib.umk.pl/transitivity/)>) used to calculate the test matrices and transitivity scores.

Supplement B. An Excel-file with supplementary raw data of the case study.

Supplement C. A Word-file with a worked example of the benchmark testing procedure.