



Digital supplementary material to

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The content of this digital supplementary material was subject to the same scientific editorial processing as the article it accompanies. However, the authors are responsible for copyediting and layout.

Appendix, as digital supplementary material to this article, at the journal's web pages:

- Data S1a. Raw data for each individual (IN1-IN60) from the colony A of *Odontomachus chelifer* (LATREILLE, 1802).
- Data S1b. Raw data for each individual (IN1-IN30) from the colony B of *Odontomachus chelifer* (LATREILLE, 1802).
- Data S1c. Raw data for each individual (IN1-IN7) from the colony C of *Odontomachus chelifer* (LATREILLE, 1802).
- Data S2. Frequencies of inactive and active behavior classes of *Odontomachus chelifer* (LATREILLE, 1802).
- Data S3. WBN (worker-behavior network) from the colony A of *Odontomachus chelifer* (LATREILLE, 1802).
- Data S4. WBN (worker-behavior network) considering inactivity behavior from the colony A of *Odontomachus chelifer* (LATREILLE, 1802).
- Data S5. WBN (worker-behavior network) from the colony B of *Odontomachus chelifer* (LATREILLE, 1802).
- Data S6. WBN (worker-behavior network) considering inactivity behavior from the colony B of *Odontomachus chelifer* (LATREILLE, 1802).
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- Data S9. BBNs (behavior-behavior networks) from each individual of the colonies (A, B and C) of *Odontomachus chelifer* (LATREILLE, 1802).
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- Data S11. BBN (behavior-behavior network) from the colony A of *Odontomachus chelifer* (LATREILLE, 1802).
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Data S26. Nestedness among columns considering a cut-off of 10% of the data (UNODFc) and standard deviation (SD) from BBNs (behavior-behavior networks) of the colonies of *Odontomachus chelifer* (LATREILLE, 1802) and the null model considered.

Data S27. Nestedness among rows considering a cut-off of 10% of the data (UNODFr) and standard deviation (SD) from BBNs (behavior-behavior networks) of the colonies of *Odontomachus chelifer* (LATREILLE, 1802) and the null model considered.

Script S1. R script for the analysis of the behavioral repertoires from the colonies of *Odontomachus chelifer* (LATREILLE, 1802).

Script S2. R script for the analysis of the WBNs (worker-behavior networks) from the colonies of *Odontomachus chelifer* (LATREILLE, 1802).

Script S3. R script to read each one of the individual BBNs (behavior-behavior networks) from the colonies of *Odontomachus chelifer* (LATREILLE, 1802).

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Script S9. R script of the comparison of the absolute frequency of the BBNs (behavior-behavior networks) for each active behavioral act, when they are self-interacting or when occurs behavior switching with other active behaviors.

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Script S14. R script of the BBNs (behavior-behavior networks), modularity (Q) values and weighted nestedness (UNODF) from the colonies of *Odontomachus chelifer* (LATREILLE, 1802).

Script S15. R script of the BBNs (behavior-behavior networks) null models of the modularity (Q) values from the colonies of *Odontomachus chelifer* (LATREILLE, 1802).