Transcriptominc divergence of a parasite-populations: two common garden experients in two hosts

Emanuel G Heitlinger*[1,2]Horst Taraschewski[1]and Mark Blaxter[2]

[1]Department of Ecology and Parasitology, Zoological Institute 1, University of Karlsruhe,Kornblumenstrasse 13, Karlsruhe, Germany
[2]Institute of Evolutionary Biology, The Ashworth laboratories, The University of Edinburgh, King's Buildings Campus, Edinburgh, UK

Email: Emanuel G Heitlinger*- emanuelheitlinger@gmail.com; Horst Taraschewski- dc20@rz.uni-karlsruhe.de; Mark Blaxter - mark.blaxter@ed.ac.uk;

*Corresponding author

Abstract

Background:

Results:

Conclusions: Yeh!

Background
Results

The populations differ

The gene expression does too

```
null device
          1

null device
          1

null device
```

```
        1

null device
        1

null device
        1

null device
        1
```

Discussion
Conclusions
Methods
General coding methods

The bulk of analysis (unless otherwise cited) presented in this paper was carried out in R [1] using custom scripts. We used a method provided in the R-packages Sweave [2] and Weaver [3] for "reproducible research" combining R and TEXcode in a single file. All intermediate data files needed to compile the present manuscript from data-sources are provided upon request. For visualistaion we used the R-packages lattice [4] and ggplot2 [5].

Competing interests

The authors declare no competing interests.

Authors contributions
Acknowledgments

References

1. R Development Core Team: *R: A language and environment for statistical computing*. R Foundation for Statistical Computing, Vienna, Austria 2009, [http://www.R-project.org].

2. Leisch F: **Sweave: Dynamic Generation of Statistical Reports Using Literate Data Analysis**. In *Compstat 2002 — Proceedings in Computational Statistics*. Edited by Härdle W, Rönz B, Physica Verlag, Heidelberg 2002:575–580, [http://www.stat.uni-muenchen.de/~leisch/Sweave]. [ISBN 3-7908-1517-9].

3. Falcon S: **Caching code chunks in dynamic documents**. *Computational Statistics* 2009, **24**(2):255–261, [http://www.springerlink.com/content/55411257n1473414].

4. Sarkar D: *Lattice: Multivariate Data Visualization with R.* New York: Springer 2008, [http://lmdvr.r-forge.r-project.org]. [ISBN 978-0-387-75968-5].

5. Wickham H: *ggplot2: elegant graphics for data analysis.* Springer New York 2009, [http://had.co.nz/ggplot2/book].

Figures

Figure 1 -
Figure 2 -
Figure 3 -
Figure 4 -
Figure 5 -

Tables

Additional Files