

## Supplementary material

We provide as an appendix the computer code used to conduct the simulations and analyses presented in our paper. The code is formatted as an R package. R is a freely-available statistical programming environment available for most common operating systems ([www.r-project.org](http://www.r-project.org)). As mentioned in the manuscript, we used Stéphane Dray's package `packfor`, which can be installed by running the following command from within R:

```
install.packages("packfor", repos="http://R-Forge.R-project.org")
```

After `packfor` is installed, our package can be installed by running the following command:

```
install.packages("neutral.vp_1.0-0.tar.gz", repos=NULL)
```

Note that the file `neutral.vp_1.0-0.tar.gz` must be in the current working directory of R for this to work.

Alternatively, for readers who do not wish to use R, our package file may be unpacked with a utility such as `tar` (on Unix) or `7-zip` (Windows, available from [www.7-zip.org/](http://www.7-zip.org/)). The package structure contains three directories: 'man' contains the documentation files, 'R' contains the R scripts, and 'src' contains the C code.