

The Source Data 4-Figure 4 supplement 1 contains the following files:

mat data

Figure4suppl.mat

R file

Figure4suppl.R

txt format file

PhylogeneticTree\_completo

load('Figure4suppl.mat') load PhyloazimuthHL table with variable Phyloazimuth, that is the azimuth computed after phylogenetic correction.

The R file contains the algorithm to reproduce the Figure 4- figure supplement 1. To be run in the R environment.

PhylogeneticTree\_completo.txt contains the Taxonomic Tree to obtain Figure 4-figure supplement 1 in Newick format.