

## Supplementary Material

### DATA COLLECTION

1- Data collection: key words, clade (ordinal) metacharacters, Google Search terms, Google Search protocol, Google Search rarefaction curve.

#### *search terms*

The searched mammalian order terms are available in *search<sub>t</sub>erms<sub>latin</sub>.txt* or *search<sub>t</sub>erms<sub>meta</sub>.txt*. The file containing the meta names is the Latin name files but with replacing the latin suffixes ([ia—ata—ea—a]) by a joker character (\*) and by replacing the first letter by a upper/lower case meta character (e.g. [Aa]).

*Ross Mounce data set.*— I selected all the matrices containing at least one of the mammalian orders names from Ross Mounce GitHub *cladistic – data/nexus\_files* repository (accessed on the 02/12/2014).

*Graeme Lloyd.*— Selecting the downloadable matrices

*Morphobank.*— *order*

*Google scholars.*— 20 first results since 2010 with the following key words: *order* ("morphology" OR "morphological" OR "cladistic") AND characters matrix

paleontology phylogeny Why 20 first results? Because rarefaction curve, check  
supplemetaries

### *Wrong Bionmial names and typos*

I fixed the wrong bionomial names format (e.g. H. sapiens) into the correct ones (e.g.  
Homo sapiens) manually using the abbreviation list in the concerned publications.

## DATA STRUCTURE

## SUPPLEMENTARY RESULTS