Supplemental File 2 is deposited in DRYAD repository

( https://doi.org/10.5061/dryad.b1k526g ) and available for Reviewers through the link

https://datadryad.org/stash/share/_thib-jJ83k-pUKmabgh9HpjQNUoOWDis8kzGtRXXZI

**Supplemental File 2: RSD resulting files (gene IDs) in compressed folders**

The compressed folders named "RSD-Primates", "RSD-Flies", RSD-kinetoplastids",

contain text files with gene IDs resulted from RSD searches. Gene IDs for each paired

species are tabulated in two columns, where first column indicates IDs from first species

and second column indicates IDs from second species. Names of each paired species are

abbreviated in the txt file name, using the first three letters for genus plus species,

separated by hyphen, e.g.: the AOTNAN-CEBCAP-0.txt file presents gene IDs for *Aotus*

*nancymaae* in the first column, while in the second column gene IDs belong to *Cebus*

*capucinus*. The abbreviation for all organisms is supplied in Excel files Supplemental

Tables S1, S2 and S3, under sheet "Abbreviation".

**File name:** Supplemental_File2.tar.gz