Documentation

1 - User guide

A more detailed description of how to use Eucalypt can be found at our user guide:
https://team.inria.fr/erable/files/2020/11/EucalyptUserGuide.pdf.

2 - Obtaining EUCALYPT

The last version of Eucalypt can be downloaded directly form here:
http://team.inria.fr/erable/files/2020/11/Eucalypt-1.0.4.zip.

3 - System requirements

EUCALYPT was developed in Java (https://www.java.com/en/) and tested in the Linux and Mac OS X environments.

4 - Using EUCALYPT

The general command line for using EUCALYPT is:

java -jar Eucalypt.jar -i <input_file> [options]

We recommend the use of the Java option -Xmx for increasing the maximum memory available for EUCALYPT. For example, to set the maximum amount of memory to 3 Gigabytes, use the following command line:

java -Xmx3g -jar Eucalypt.jar -i <input_file> [options]

More information and examples about the command line options of EUCALYPT are available here.

5 - NEXUS Files

EUCALYPT receives a NEXUS file as input (tasks 1, 2, and 3). The input file must contain a pair of trees (one host tree and one parasite tree) and the association of their leaves. Notice that, in the current version of the software, one parasite leaf cannot be associated to more than one host leaf. The opposite is allowed: a host leaf can be associated to more than one parasite leaf.

EUCALYPT can read two types of Nexus files (**.nex**). A description of both can be found here:
https://team.inria.fr/erable/files/2020/11/Input-File.pdf.

Please, verify that your file meets the format description.