

Directions for PRELIBSHUFF.PL

PRELIBSHUFF.pl formats an aligned and exported Phylip file into a sample.txt for use in the program LIBSHUFF.pl. It is written in Perl by Rima Upchurch.

1. Align the sequences with an alignment program. For example, the PILEUP from the GCG package aligns the sequences and can be viewed as an MSF document.
2. Edit this alignment to the user's chosen requirements.
3. Export the file as a Phylip file. This file can be placed anywhere the user chooses, but be able to get into the directory of this file in a DOS window.
4. Open a DOS window. Go into the directory where the Phylip file is found. For example, if your DOS window default opens to c:\documents and settings\user but your file is in c:\documents and settings\user\desktop\phylipfile, then change directories until you are in that directory BEFORE you execute PRELIBSHUFF.pl.
5. Type perl and in QUOTATION marks type the full path to PRELIBSHUFF.pl. If this file is in the same directory as your Phylip file only type PRELIBSHUFF.pl and press enter. If PRELIBSHUFF.pl is not in the same directory, type the full path in quotes.
6. It will ask for the Phylip file. Simply type the name and the extension, not the full path because you are in that directory. For example, type phylipfile.phy and press enter.
7. It will ask for the path to dnadist. Type out the full path, ending in dnadist.exe, not in quotation marks. For example, type c:\documents and settings\user\desktop\phylip\dnadist.exe.
8. The dnadist from the phylip package will run. Choose the settings by following the instructions of program and then press y to confirm. For example, if the Jukes-Cantor algorithm will be used, press d three times and then press y to start running DNADIST.EXE.
9. The original Phylip file, infile for DNADIST, outfile from DNADIST, and the sample.txt for LIBSHUFF will be shown in the starting directory.

Questions about this program or these directions may be sent to rupchur@uga.edu.