BT3040 Practical 9 Installation Guidelines

1. Go to PDBTM database (http://pdbtm.enzim.hu/)
2. Downloaded redundant beta barrel protein sequences (TMB) in FASTA format
3. Obtained non-redundant sequences using CD-HIT software for the different cut-offs mentioned.

Software installation command
For Linux users:

<div align="center">sudo apt-get install cd-hit</div>

Usage command (https://github.com/weizhongli/cdhit/wiki/3.-User's-Guide)**:**

<div align="center">cd-hit -i beta.fasta -o beta_40.txt -c 0.4 -n 2</div>

where

beta.fasta is the filename of input,

beta_40.txt is output,

- c 0.4, means 40% identity, is the clustering threshold,

-n 2 is the word size

For Windows/Mac users:

1. Install MobaXterm (https://mobaxterm.mobatek.net/download-home-edition.html)
2. Access the lab Linux system through SSH command: ssh username@ip

    Username: **user**

    Password: **user123**

    IP address: **10.21.51.114**

3. The input file is already available in Documents (beta.fasta)
4. Open your windows command prompt (not MobaXterm) and copy the files to using your system using scp command: scp user@10.21.51.114:/home/user/filename.txt ./