

How to Use mPTP

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SSH Ubuntu Method

1. Open FileZilla
2. Fill out Host, Username, and Password and press "Quickconnect"
3. Create a directory in destination machine folder Documents named mptp
4. Create a directory within mptp named mptp_mygene
5. Drag and drop your RAxML BestTree into mptp_mygene
6. #use bash to access a remote Ubuntu machine
ssh janedoe@123.123.123.123
7. Enter your password
8. Accept any messages prompting you about unknown ip addresses
9. #use the template below to run mPTP, replace the green arguments with your #arguments:
mptp --tree_file InsertRAxMLTreeNameHere --output_file
mptp_mcmc5myo_multi_its --outgroup MyOutgroupName --mcmc 5000000 --
multi --mcmc_sample 1000 --mcmc_startml --mcmc_runs 2 --mcmc_log

Personal Ubuntu Method

1. #install Python3
brew install python3
2. #upgrade pip3
pip3 install --upgrade pip
3. #change direct to PTP-master
cd ~/PTP-master
4. #install PTP requirements
pip3 install -r ~/PTP-master/requirements.txt
5. #initialize PTP
python3 ~/PTP-master/setup.py install
6. #use the template below to run mPTP, replace the green arguments with your #arguments:
mptp --tree_file InsertRAxMLTreeNameHere --output_file
mptp_mcmc5myo_multi_its --outgroup MyOutgroupName --mcmc 5000000 --
multi --mcmc_sample 1000 --mcmc_startml --mcmc_runs 2 --mcmc_log