

GOALS:

- Transfer files with ftp
- Use some handy UNIX commands: grep, date, echo
- Login to remote computer
- Edit a file with vi editor

Homework assignment to demonstrate:

Directory structure from Fig. 1 of PLoS paper

Renamed yeast directory to human

Downloaded CHR_MT fasta file into human directory

Show number of lines in `hs_alt_HuRef_chr21.fa`

bash file completion

ls with -R

Overview of ftp, client server protocols:

Transfer files with ftp:

Walk through download of CHR_MT from NCBI.

View files, search for text in files:

Use cat to send contents of file to screen.

Use less to look at contents of file.

Use / to find things with less

Use grep to find string in fasta file.

How many lines contain AAAAAAA?

Read grep man page to determine how to get just a count

Use / again in man page to find word 'count'

shell history:

Login to remote computer:

ssh

Login to EC2 instance:

ec2-23-20-18-242.compute-1.amazonaws.com

On remote computer:

recreate msms directory from PLoS paper

log out, log back in

Intro to vi:

vi vimtutor.txt

ESC :q to quit