

Last login: Tue Nov 29 06:21:57 on console
Voyager-II:~ matt\$ ssh submit

Voyager-II:~ matt\$ ssh magitz@submit.hpc.ufl.edu
magitz@submit.hpc.ufl.edu's password:
Last login: Thu Dec 1 10:23:00 2011 from submit.hpc.ufl.edu

Welcome to the UF HPC Center.

Do not run interactive jobs on the login nodes. If you need to run an interactive job, there are interactive/test nodes for that.

UF HPC Center Account Policies can be found here:

<http://www.hpc.ufl.edu/users/accounts.php>

```
[magitz@submit1 ~]$ pwd
/home/magitz
[magitz@submit1 ~]$ cd /scratch/hpc/magitz/
[magitz@submit1 magitz]$ ls
1kp      blast_demo          module.test.qsub  raxml.SSE3.out  test.err
Andre   brad                raxmlLight       raxml_test      test.out
bboyd   filtered.mtDNA.1perSpp raxml.SSE3.err  test_data       velvet_test
[magitz@submit1 magitz]$ mkdir velvet_test2
[magitz@submit1 magitz]$ cd velvet_test2/
[magitz@submit1 velvet_test2]$ ls
[magitz@submit1 velvet_test2]$ cp /scratch/hpc/bio/training/01Dec11/filtered.100K.fastq .
[magitz@submit1 velvet_test2]$ ls
filtered.100K.fastq
[magitz@submit1 velvet_test2]$ cp /scratch/hpc/bio/training/01Dec11/velvet.qsub .
[magitz@submit1 velvet_test2]$ nano velvet.qsub
[magitz@submit1 velvet_test2]$ module load velvet
[magitz@submit1 velvet_test2]$ velveth
velveth          velveth_max99_OMP  velveth_OMP
[magitz@submit1 velvet_test2]$ ls
filtered.100K.fastq  velvet.qsub
[magitz@submit1 velvet_test2]$ qsub velvet.qsub
19457357.torx.ufhpc
[magitz@submit1 velvet_test2]$ qstat -u magitz
```

torx.ufhpc:

Job ID	Username	Queue	Jobname	SessID	NDS	TSK	Req'd Memory	Req'd Time	Elap S	Time
19457357.torx.uf	magitz	investor	velvet	--	1	4	--	00:05	Q	--

```
[magitz@submit1 velvet_test2]$ ls
01Dec11      filtered.100K.fastq  velvet.test.err
01Dec11_kmer51  velvet.qsub          velvet.test.out
[magitz@submit1 velvet_test2]$ cd 01Dec11
[magitz@submit1 01Dec11]$ ls
contigs.fa  Graph  LastGraph  Log  PreGraph  Roadmaps  Sequences  stats.txt
[magitz@submit1 01Dec11]$ cat contigs.fa | grep -c ^\>
9
[magitz@submit1 01Dec11]$ cd ../01Dec11_kmer51/
[magitz@submit1 01Dec11_kmer51]$ cat contigs.fa | grep -c ^\>
25
```