

Exercise 11

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Exercise 1. DNase I-seq: Peak calling

We will follow THE F-seq section of the a DNase I-seq tutorial

Exercise 2. Installing and running Bedtools

To install

```
wget https://github.com/arq5x/bedtools2/releases/download/v2.25.0/bedtools-2.25.0.tar.gz
tar -zxvf bedtools-2.25.0.tar.gz
cd bedtools2/
make
```

To run

```
cd bin
./bamToBed -i [PATH_T0]wgEncodeOpenChromDnaseGm12878A1nRep1.bam | grep -P ^"chr22\t" > D
```

Exercise 3. Running F-seq

```
./fseq input/Duke_GM12878_Ch22.bed -o output/ -of bed -v -f 0
```

Exercise 4. For individual fun, you can follow the DNase-seq footprinting Tutorial