$ python assignment.py

Assignment 2:

Akdemir\_p53\_Untr.anno Botcheve\_IMR90.anno Younger\_Human\_ChIP.anno Akdemir\_p53\_DOX.anno

non-coding 33 9 10 37

Intergenic 1900 241 1318 2328

intron 1452 233 1144 1893

exon 306 85 73 258

promoter-TSS 802 176 72 423

TTS 66 8 31 66

5' UTR 105 30 10 66

3' UTR 43 6 22 44

Assignment 3:

Enter a gene name: EMBP1

**Akdemir\_p53\_Untr.anno: 1 row(s) found with Gene Name='EMBP1'**

**1:**

PeakID: MACS\_peak\_239

Chr: chr1

Start: 121185490

End: 121187125

Strand: +

Peak Score: 2132.67

Focus Ratio/Region Size: NA

Annotation: Intergenic

Detailed Annotation: ALR/Alpha|Satellite|centr

Distance to TSS: 223874

Nearest PromoterID: NR\_003955

Entrez ID: 647121

Nearest Unigene: Hs.697682

Nearest Refseq: NR\_003955

Nearest Ensembl:

**Gene Name: EMBP1**

Gene Alias: -

Gene Description: embigin pseudogene 1

Gene Type: pseudo

**Botcheve\_IMR90.anno: 0 row(s) found with Gene Name='EMBP1'**

**Younger\_Human\_ChIP.anno: 1 row(s) found with Gene Name='EMBP1'**

**1:**

PeakID: 918

Chr: chr1

Start: 121285984

End: 121286232

Strand: +

Peak Score: 0

Focus Ratio/Region Size: NA

Annotation: intron (NR\_003955, intron 1 of 7)

Detailed Annotation: L1MEd|LINE|L1

Distance to TSS: 25198

Nearest PromoterID: NR\_003955

Entrez ID: 647121

Nearest Unigene: Hs.697682

Nearest Refseq: NR\_003955

Nearest Ensembl:

**Gene Name: EMBP1**

Gene Alias: -

Gene Description: embigin pseudogene 1

Gene Type: pseudo

**Akdemir\_p53\_DOX.anno: 1 row(s) found with Gene Name='EMBP1'**

**1:**

PeakID: MACS\_peak\_275

Chr: chr1

Start: 120987049

End: 120987937

Strand: +

Peak Score: 106.75

Focus Ratio/Region Size: NA

Annotation: intron (NR\_003955, intron 1 of 7)

Detailed Annotation: L1MEd|LINE|L1

Distance to TSS: 25060

Nearest PromoterID: NR\_003955

Entrez ID: 647121

Nearest Unigene: Hs.697682

Nearest Refseq: NR\_003955

Nearest Ensembl:

**Gene Name: EMBP1**

Gene Alias: -

Gene Description: embigin pseudogene 1

Gene Type: pseudo