Question 2:

The genomic sequence used is **pBR322.**

The restriction enzyme used is **Taql.**
It has a recognition sequence of:

```
5'TCGA
3'AGCT
```

It makes a cut as:
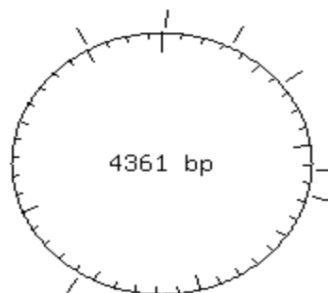
```
5'---T   CGA---3'
3'---AGC   T---5'
```

The genomic sequence is attached in the file "pbr322dna.txt"

The various fragments produced from this genomic sequence are provided by the mapper as follows:

Fragment list

pBR322 digested with taql

4361 bp

#	Location	Size [bp]
1	2574-4017	1444
2	1269-2573	1305
3	653-1127	475
4	4018-24	368
5	25-339	315
6	340-652	313
7	1128-1268	141