### RE used = ecoRI

### Dna sequence 1 =

#### Code's results =

### Cleavages =

gtggtacgggggtgatg|aattctaggtcaaagtagtaattaattattagccaccgacccatagtgactaagag atactatagatcgcatgacgcgtacacagcccaacagaaggcaaatactcatttcggtatctcctaactgctcg taaggatggtcgagagggataccttcggatag|aattcgctttactgacatcttatgcgaccgggcaagttgac ggaactgacgacgttatcatacccttagactctaattacacattcttgaaccgagatgactgagtagaagggag ctgcatcacgggtgcaattttgacagcgcatacttggccgaaaaatctgttgccgaaaatctatgcggtgcgc aagtagagttatcccttgtcggtctcggttatgtcaggctcgtacgaccgtgatcttcagtcctacactcctca ctccgagctgg|aattctcttgacgacgatcgatatcagatgaccagcgcgcccgtttggca

#### indexs of cleavages =

```
fragment 1 starts at 1 and ends at 17.
it's size is 17
fragment 2 starts at 18 and ends at 179.
it's size is 162
fragment 3 starts at 180 and ends at 453.
it's size is 274
fragment 4 starts at 454 and ends at 503.
it's size is 50
```

On using online mapper, we get the following cut sites on the W strands

## Fragment list

## unnamed sequence digested with EcoRI



#	Location	Size [bp]
1	180-453	274
2	18-179	162
3	454-503	50
4	1-17	17

### Dna sequence 2

code's results =

Cleavages -

ttcctttgctcccagcggttccgatgccggggacaccgacatccacgtggccgacagtattactggccgcgacaccgatgtgcgtagccagtagtctaggtggcg|aattcgttcactcatgagctcaggttccgatccttagcacgccacaagg|aattcttaggctcatatcccgggtataggtcctatcaaaagccgttgactcttcaattgaagtgggttgaacgactgggaatcatgccggatcgtcttcgggctgcaagtcacagctaatccgcatatgcaaaaaatgagctttaggcctccattgcttttgtcctagtcttctcgccagcgcgatagatgtatcagcataggagacggctcttagcaagtgg|aattcctgaggcgtaacag|aattcaaaacaaatacagagctgaaatgaacggtgctacaggctgcaggaaagtcctcaattgtttagcctgaaaaaaatacatctacagtctgagataaccgctgatctggaaaggatgccaagtgccaagtgcaagtgctatactgggttgttcggtaaatctgaatcct

indexs of cleavages =

```
fragment 1 starts at 1 and ends at 104.
it's size is 104
fragment 2 starts at 105 and ends at 153.
it's size is 49
fragment 3 starts at 154 and ends at 381.
it's size is 228
fragment 4 starts at 382 and ends at 400.
it's size is 19
fragment 5 starts at 401 and ends at 573.
it's size is 173
```

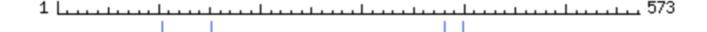
On using online mapper, we get the following cut sites on the W strands

nt

# Fragment list

### unnamed sequence digested with EcoRI

Sites w



#	Location	Size [bp]
1	154-381	228
2	401-573	173
3	1-104	104
4	105-153	49
5	382-400	19

### Dna sequence 3

#### code's results =

#### Cleavages -

### indexs of cleavages =

```
fragment 1 starts at 1 and ends at 123. it's size is 123 fragment 2 starts at 124 and ends at 528. it's size is 405 fragment 3 starts at 529 and ends at 544. it's size is 16 fragment 4 starts at 545 and ends at 672. it's size is 128
```

On using online mapper, we get the following cut sites on the W strands

t

# Fragment list

## unnamed sequence digested with EcoRI

Sites wit



#	Location	Size [bp]
1	124-528	405
2	545-672	128
3	1-123	123
4	529-544	16

### Dna sequence 4

aaccccaaagtcgccagatataccgcgtatccttcccatcccctgcctatcttgacccacttgtactgacgtgcccaagtccatacgccagtacggaacacaagggggcatctcaggctgcaaagcctgcaccgtgagcttcgtagctacgttatgtctaattgaactccagctcatgacctctaacggagttcgtaggacgtggatgaggcgtgaggggccctcgctggaggggttttttggggtacagccaacggcttgtgtcgtgttcgggggtacgcgaactaccctttcgtagctactttgttctctataggtttcataagggttcctggcatcttgaatacgtgtttggagtgcctgcggtcaggccgtatgatagtctctcgtactcgttctgagtcaccgctatcagtatcactcctcaataatattttacgctccgttaccaggcatagtccgaactagaggccgcgttaagcgggacctcctaccgcg

code's results =

#### Cleavages -

aaccccaaagtcgccagatataccgcgtatccttcccatcccctgcctatcttgacccacttgtactgacgtgcccaagtccatacgccagtacggaacacaagggggcatctcaggctgcaaagcctgcaccgtgagcttcgtagctacgttatgtctaattgaactccagctcatgacctctaacggagttcgtaggacgtggatgagggggccctcgctggaggggttttttggggtacagccaacggcttgtgtcgtgttcgggggtacgcgaactaccctttcgtagctactttgttctctataaggtttcataagggttcctggcatcttgaatacgtgtttggagtgcctgcggtcaggcgcgtatgatagtctctcgtactcgttctgagtcaccgctatcagtatcactcctcaataatattttacgctccgttaccaggcatagtccgaactagaggccgcgttaagcgggacctcctaccgcg

indexs of cleavages =

fragment 1 starts at 1 and ends at 500. it's size is 500

On using online mapper, we get the following cut sites on the W strands

# Fragment list

# unnamed sequence digested with EcoRI

[Sites v



#	Location	Size [bp]
1	1-500	500