

RIKEN Clone ID : TEx18C04(PC011323-41)

Vector : pET11a

| | |
|-------------|----------------------------------|
| Locus tag | TTHA1323 |
| Insert size | 1638 bp |
| Product | DNA mismatch repair protein MutL |

● Plasmid DNA purification

Date : 130516

Culture : LB (100 ug/ml Ampicillin) 5 ml → 37°C O/N

Date : 130517

Purification : QIAGEN Miniprep kit → dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 130517

DNA concentration (O.D.): 49 ng/ul

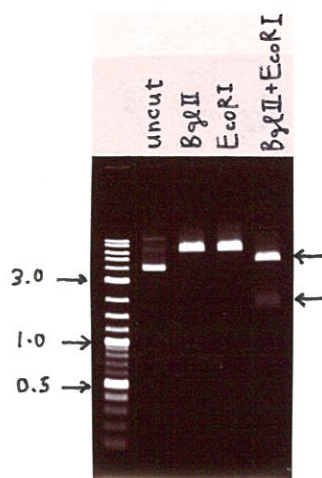
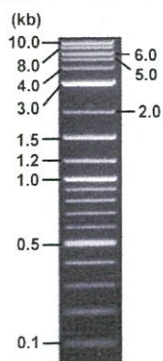
<Expected size of fragment from TEx18C04 >

| | | |
|------------------------|-----------|-----------|
| DNA | 0.8 | ul |
| Enzyme (BglII + EcoRI) | 0.5 + 0.5 | ul |
| Buffer H | 1 | ul |
| dH ₂ O | 7.2 | ul |
| Total | 10 | ul |

| | | |
|---------------|------------|----|
| BglII | 7316 | bp |
| EcoRI | 7316 | bp |
| BglII + EcoRI | 5213, 2066 | bp |

Electrophoresis : 1% agarose gel, 1x TAE Buffer

Marker : 2-Log DNA Ladder (NEB#N3200L)



● Adjust plasmid DNA solution to 25 ng/ul ~preparation for shipping~

Date : 130520

Shipping amount : 40 ul

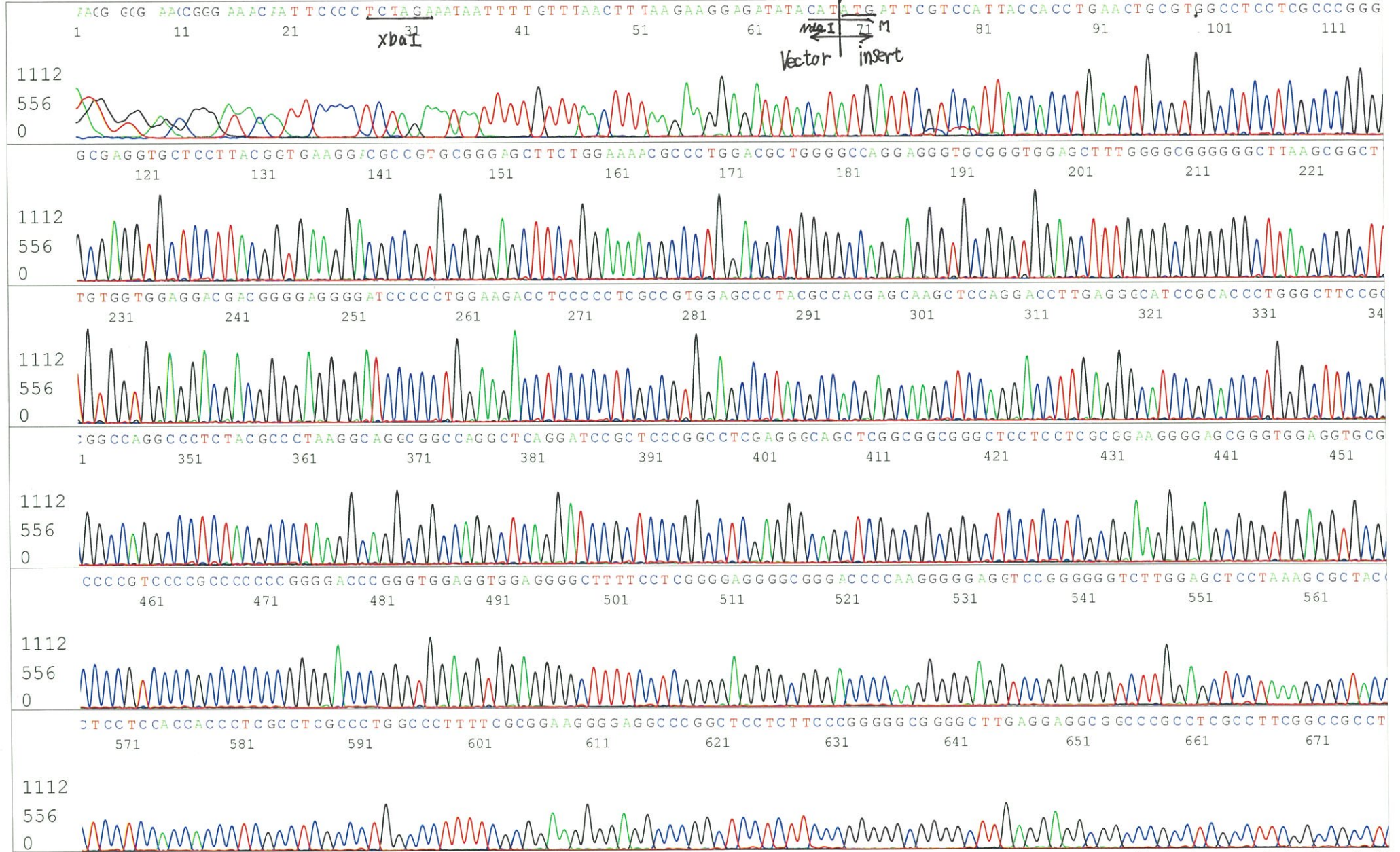
Concentration at the time of preparation of plasmid DNA : 25 ng/ul

| | | |
|-------------------------|--------------|-----------|
| DNA (<u>49</u> ng/ul) | 80.0 | ul |
| 10x TE | 15.7 | ul |
| dH ₂ O | 61.1 | ul |
| Total | 156.8 | ul |

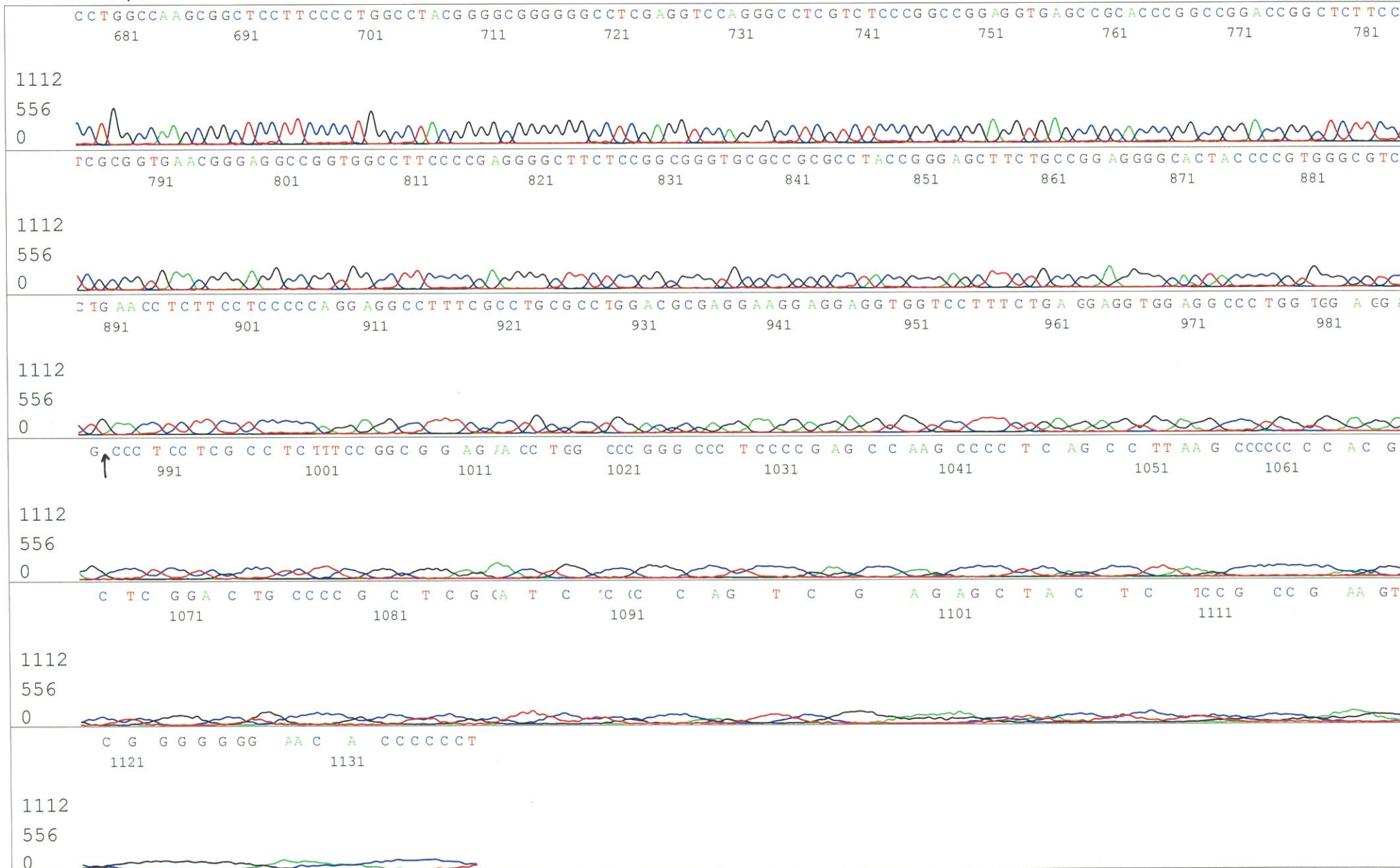
APPROVED BY :



S/N G:101 A:40 T:42 C:6
KB.bcp
KB 1.4.1.8 Cap:1
Primer A : T7 long
5' CGCCAAGCTCTAATACGACTCACTATAGGG 3'

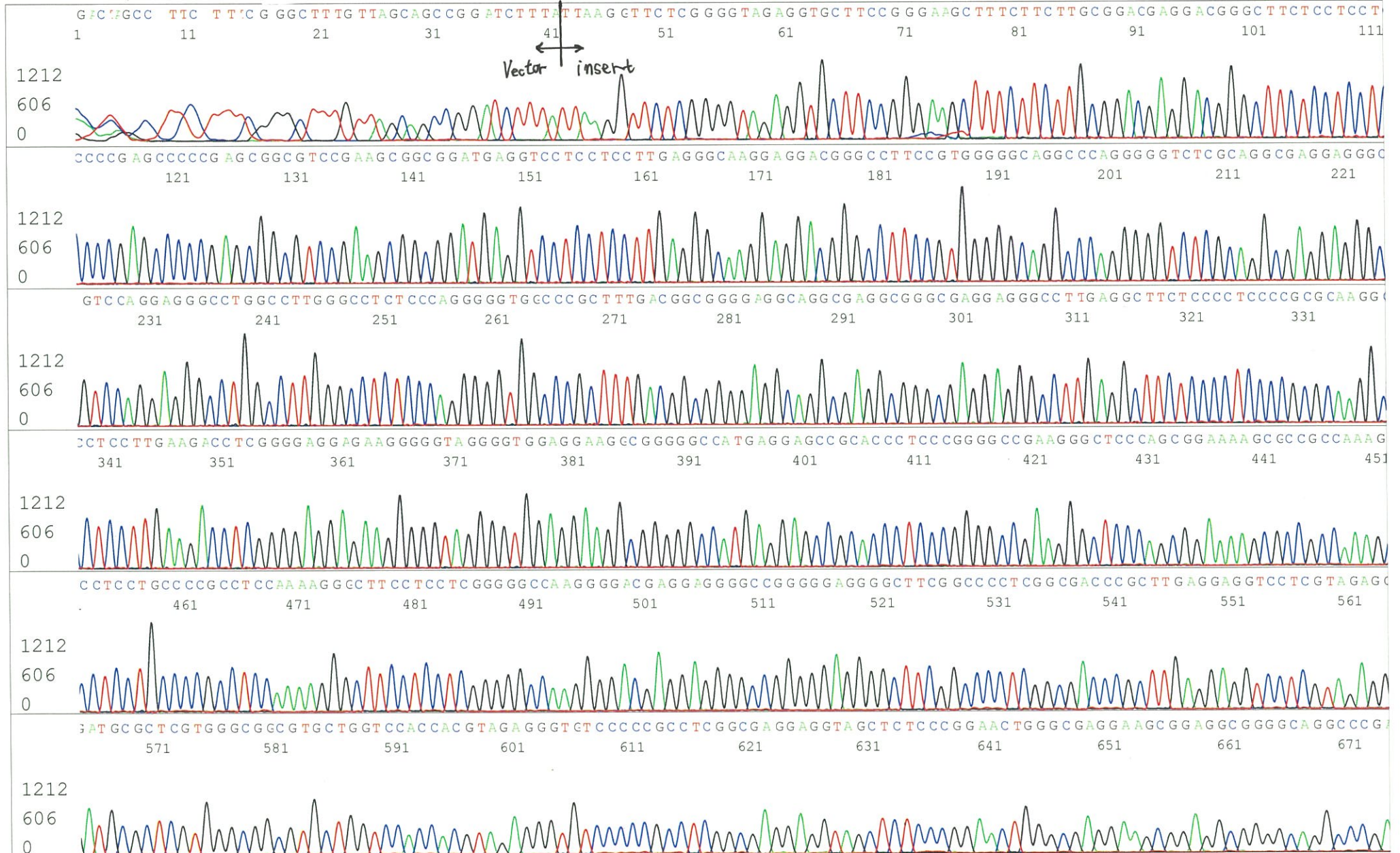


S/N G:101 A:40 T:42 C:67
KB.bcp
KB 1.4.1.8 Cap:1



S/N G:112 A:52 T:45 C:79
KB.bcp
KB 1.4.1.8 Cap:4

Primer B : T7 terminator
5' GCTAGTTATTGCTCAGCGG 3'



S/N G:112 A:52 T:45 C:79
KB.bcp
KB 1.4.1.8 Cap:4

