

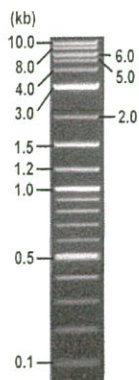


RIKEN DNA BANK

clone name : pgRNA_mMecp2_T3

- Clone ID : RDB_14016
- Lot : 14016_A6D7
- DNA Concentration : 25 nanogram/microliter
- Volume : 40 microliter
- Form : DNA solution in TE buffer
- Host : DH5 alpha
- Culture : LB medium
- Antibiotics : 25 microgram/ml kanamycin
- Purification : QIAGEN QIAprep Spin Miniprep kit
- Digestion by restriction enzyme

2-Log DNA Ladder
(NEB#N3200L),
125 ng/well



Electrophoresis : _____ nanogram DNA per lane ; 1% agarose gel , 1 x TAE Buffer

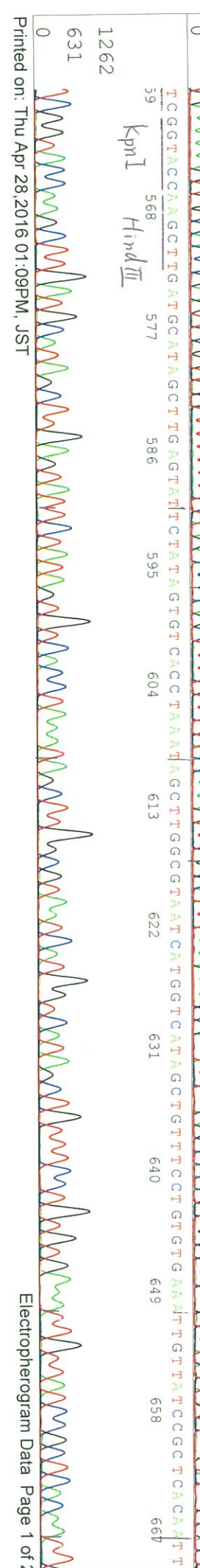
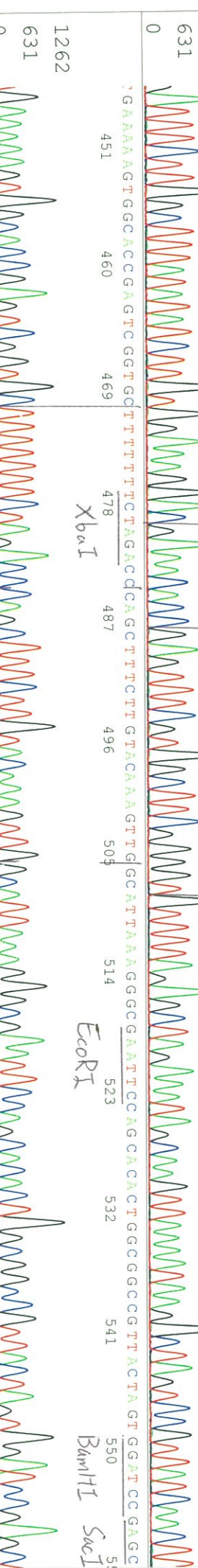
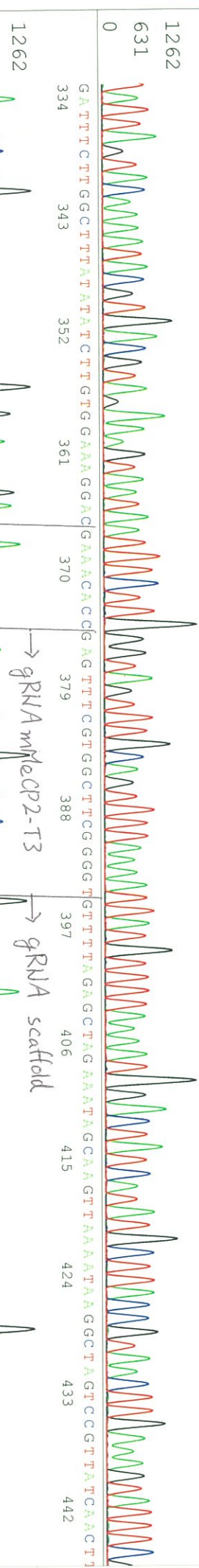
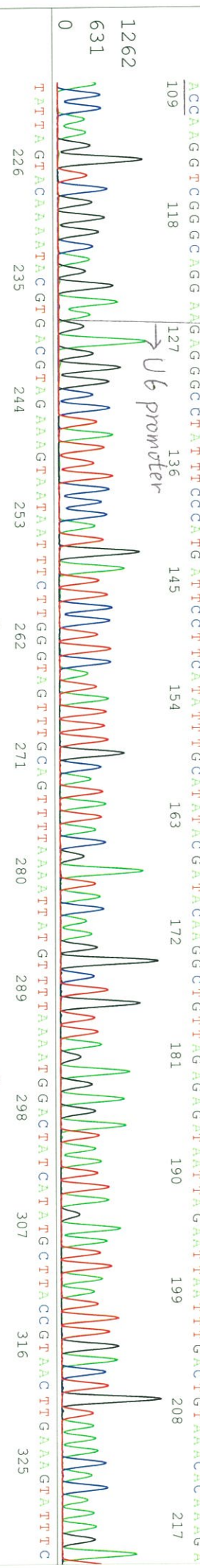
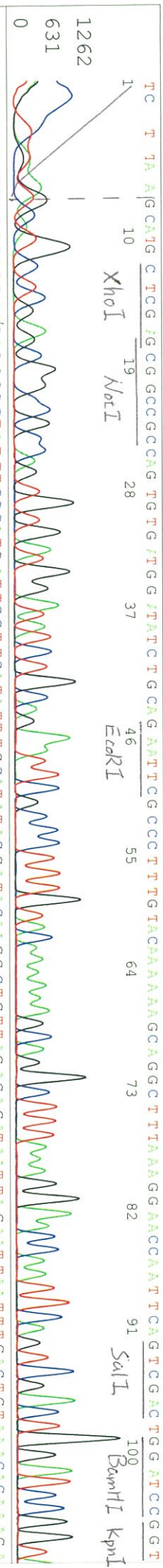
| Restriction enzyme | Expected size of fragment |
|--------------------|---------------------------|
| <u>NdeI</u> | <u>4.0</u> kbp |
| <u>XbaI</u> | <u>3.5, 0.5</u> kbp |
| _____ | _____ kbp |
| _____ | _____ kbp |
| _____ | _____ kbp |

● Confirmation of the insertion sequence

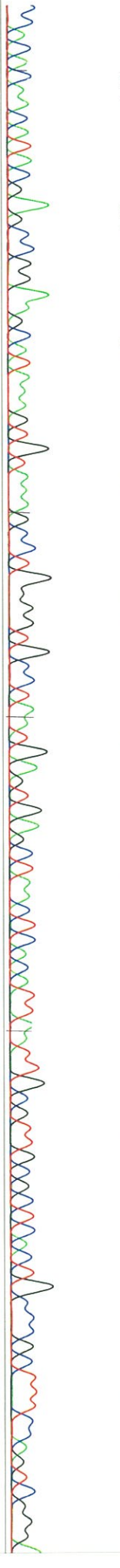
| Sequence name | Primer name | Sequence name | Primer name |
|---------------|-------------|---------------|-------------|
| Sequence - A | T7_20bp | Sequence - E | - |
| Sequence - B | - | Sequence - F | - |
| Sequence - C | - | Sequence - G | - |
| Sequence - D | - | Sequence - H | - |

APPROVED BY :

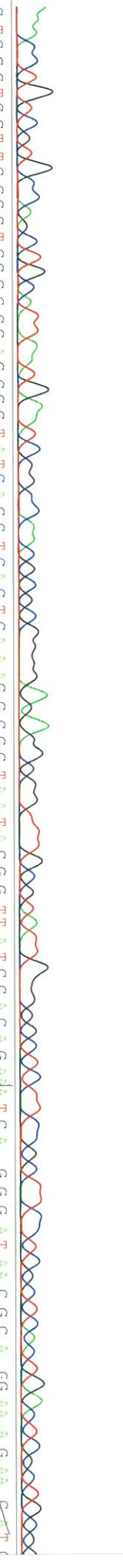




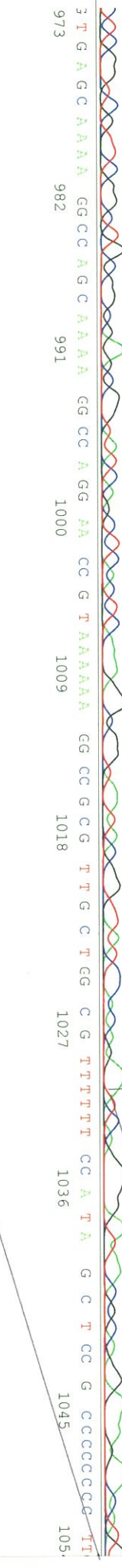
C C A C A C A A C A T A C C G A G C C C G A A G C A T T A A A G T G T A A A A G C C T G G G G T G C C T A A T G A G T G A G C T A A C T C A C A T A T T G C G T T G C C C T C A C T G C C C G C T T C C A G T C G G G



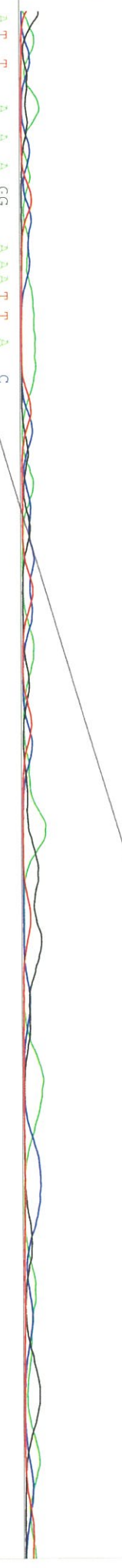
A A A C C T G T C G T G C C A G C T G C A T T A A T G A A T C G G C C A A C G C G C G G G A G A G C G G T T T G C G T A T T G G G C C T C C G C T C C G C T G A C T C G C T G C G



C T C G G T C G T T C G G C T G C C G G C G A G C G G T A T C A G C T C A C T C A A A G C G G T A A T A C G G T T A T C C A C A G A A T C A G G A T A A C G C A E G A A A G A A C A T



T G A G C A A A A G G C C A G C A A A A G G C C A G G A A C C G T A A A A A A G G C C G C G T T T T T C C A T A G C T C C C C C C G T T



A T T A A A G G A A A T T A C A C G A A C G C T C A G T C A G A G T T G C C G A A A G C C C G A C A G G A C A G G A C