

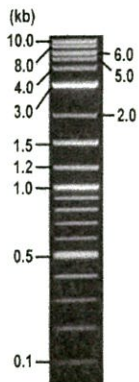


RIKEN DNA BANK

clone name : pGL4-JF1_886-1146anti

- Clone ID : RDB _ 15334
- Lot : 15334 _ A7Hm
- DNA Concentration : 25 nanogram/microliter
- Volume : 40 microliter
- Form : DNA solution in TE buffer
- Host : DH5 alpha
- Culture : LB medium
- Antibiotics : 100 microgram/ml Ampicillin
- Purification : QIAGEN QIAprep Spin Miniprep kit
- Digestion by restriction enzyme

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



Electrophoresis : 100 nanogram DNA per lane ; 1% agarose gel , 1 x TAE Buffer

Restriction enzyme	Expected size of fragment
<u>Sall</u>	<u>4.5</u> kbp
<u>PstI</u>	<u>4.5</u> kbp
<u>Sall + PstI</u>	<u>3.4, 1.1</u> kbp
	kbp
	kbp

● Confirmation of the insertion sequence

Sequence name	Primer name	Sequence name	Primer name
Sequence - A	pGL4-4174F	Sequence - E	-
Sequence - B	pGL4-136R	Sequence - F	-
Sequence - C	pAxCALNLF1	Sequence - G	-
Sequence - D	-	Sequence - H	-



APPROVED BY :

S/N G:256 A:199 T:199 C:254

primer name **A** : pGL4-4174F

KB_bcp KB_3500_POP7_BDV3.mob

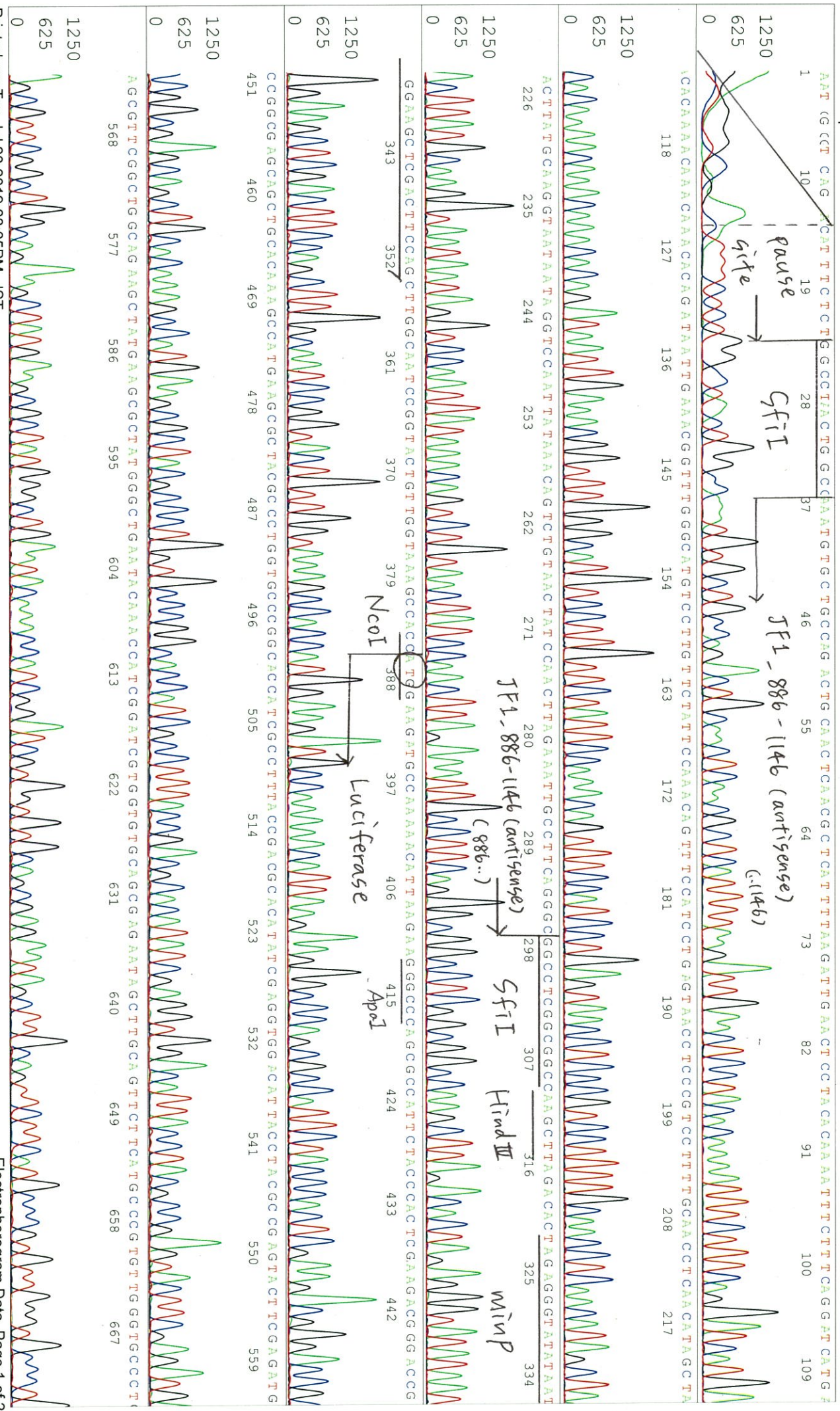
Nov 01.2017 10:08AM, JST

KB 1.4.1.8 Cap:4

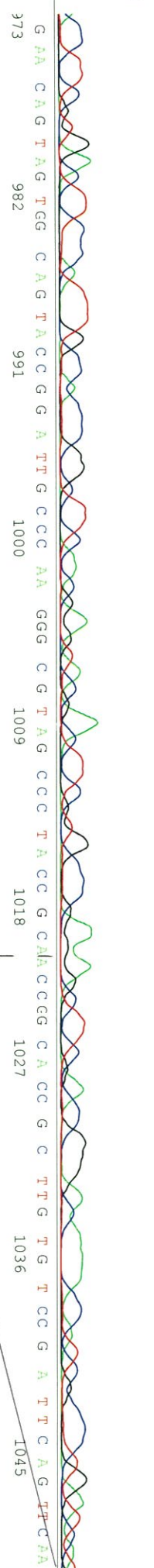
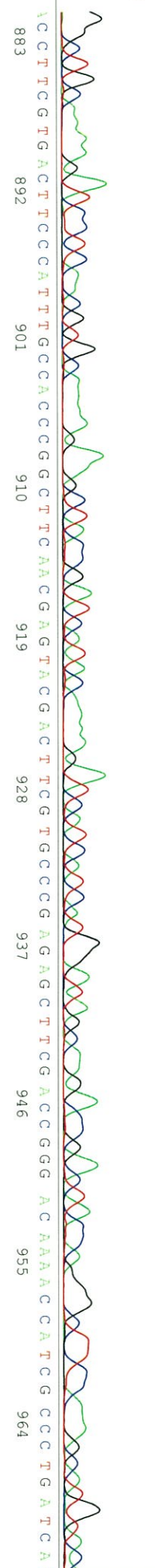
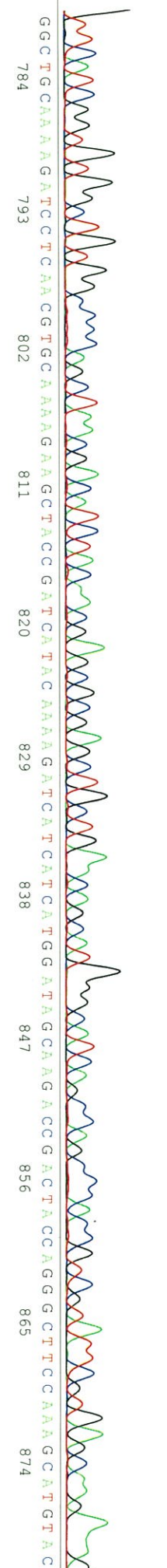
5'- TAGCAAAATAGGCTGTCCCC -3'

Pis 1585 to 13069 PK1 Loc:1562

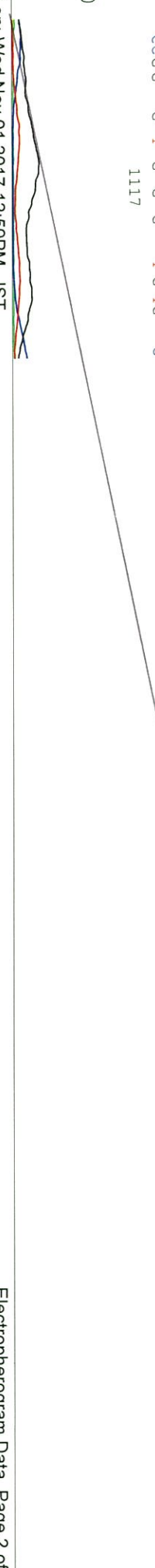
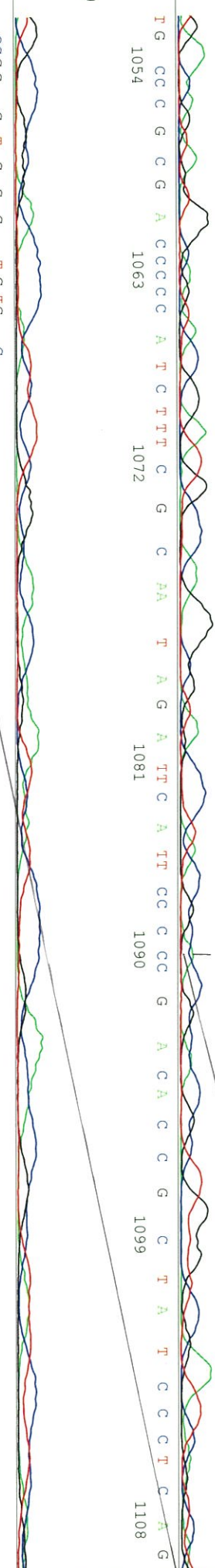
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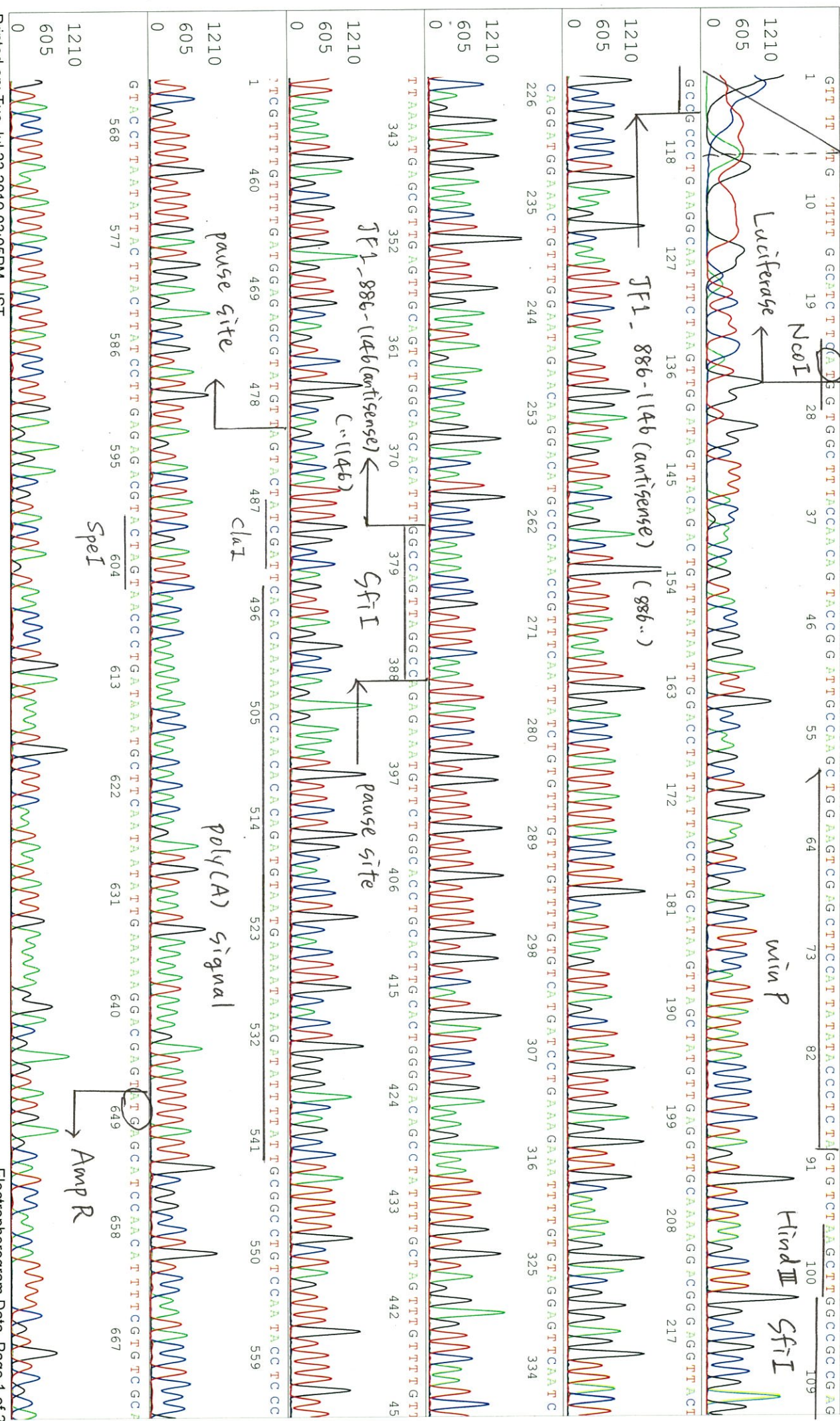


3 T T C A T C G G T G T G G C T T G G C C C C C A G C T A A C G A A C A T C T A C A A C G A G C C G G C G A G C T G A A C A G C A T G G G C A T C A G C C A G C C C A C C G T C G T A T T C G T G A G C A A G A A G

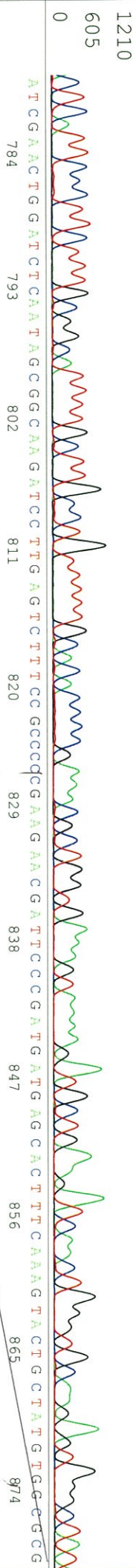


Luciferase →



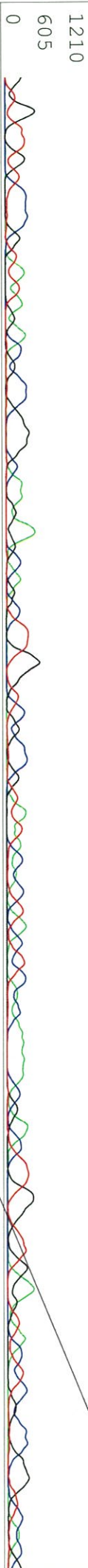


C T C A T T C C C T T C T T T G C C G G C A T T T T G C C T T G C C C T T T T T G C A C A C C C G A A A C G C T G G T G A A A G T A A A A G A T G C T G A A G A T C A A C T G G T G C A A G A G T G G C T A T

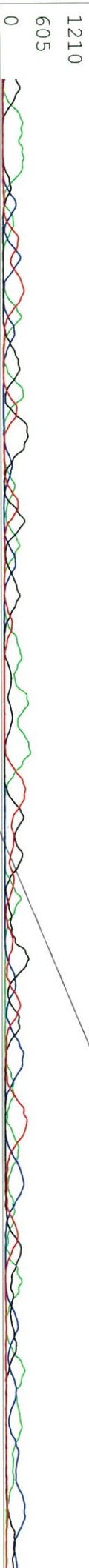


→ Amp R

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



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



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



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



1 10 19 28 37 46 55 64 73 82 91 100 109

XbaI

← Luciferase



3CGGGCGTCCAACTTGGCCGGTCAAGTCCCTTTAGGCCAACACAAACCACCGCGCAGCTTCTTGGCGTTGTAACCTGGCTGGCCACATAGTCCACGATCTCCCTT

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