

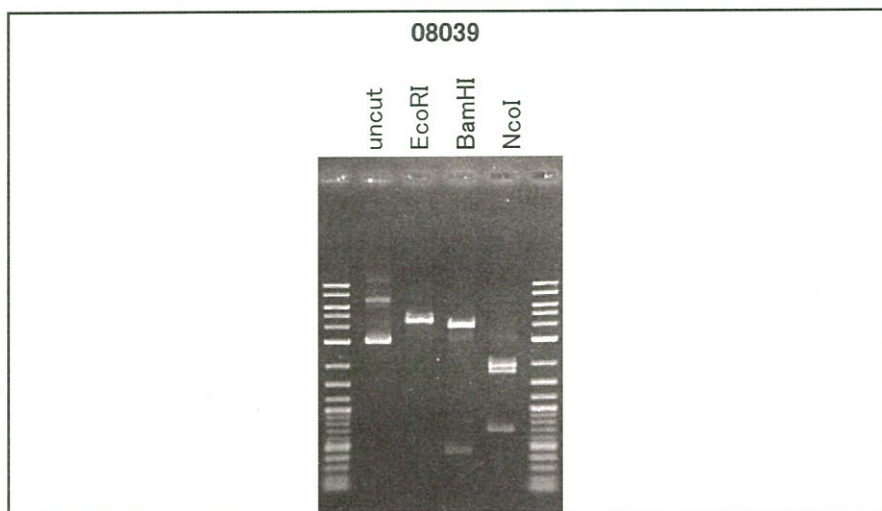
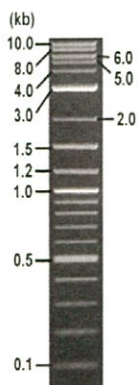


RIKEN DNA BANK

clone name : pRBS-EGFP

- Clone ID : RDB_08039
- Lot : 15877_A8Ck
- 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),
250 ng/well



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

Restriction enzyme	Expected size of fragment	
<u>EcoRI</u>	<u>4.5</u>	kbp
<u>BamHI</u>	<u>4.0, 0.4</u>	kbp
<u>NcoI</u>	<u>2.0, 1.8, 0.7</u>	kbp
		kbp
		kbp

● Confirmation of the insertion sequence

Sequence name	Primer name	Sequence name	Primer name
Sequence - A	EGFP-N	Sequence - E	-
Sequence - B	pAxEF R2	Sequence - F	-
Sequence - C	f1ori_R3	Sequence - G	-
Sequence - D	-	Sequence - H	-



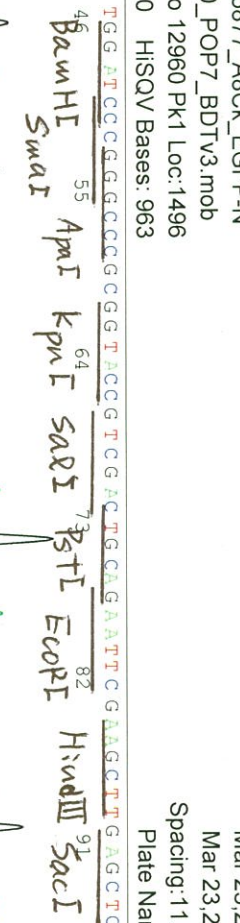
APPROVED BY :

S/N G:121 A:214 T:223 C:353 primer name **A : EGFP-N**

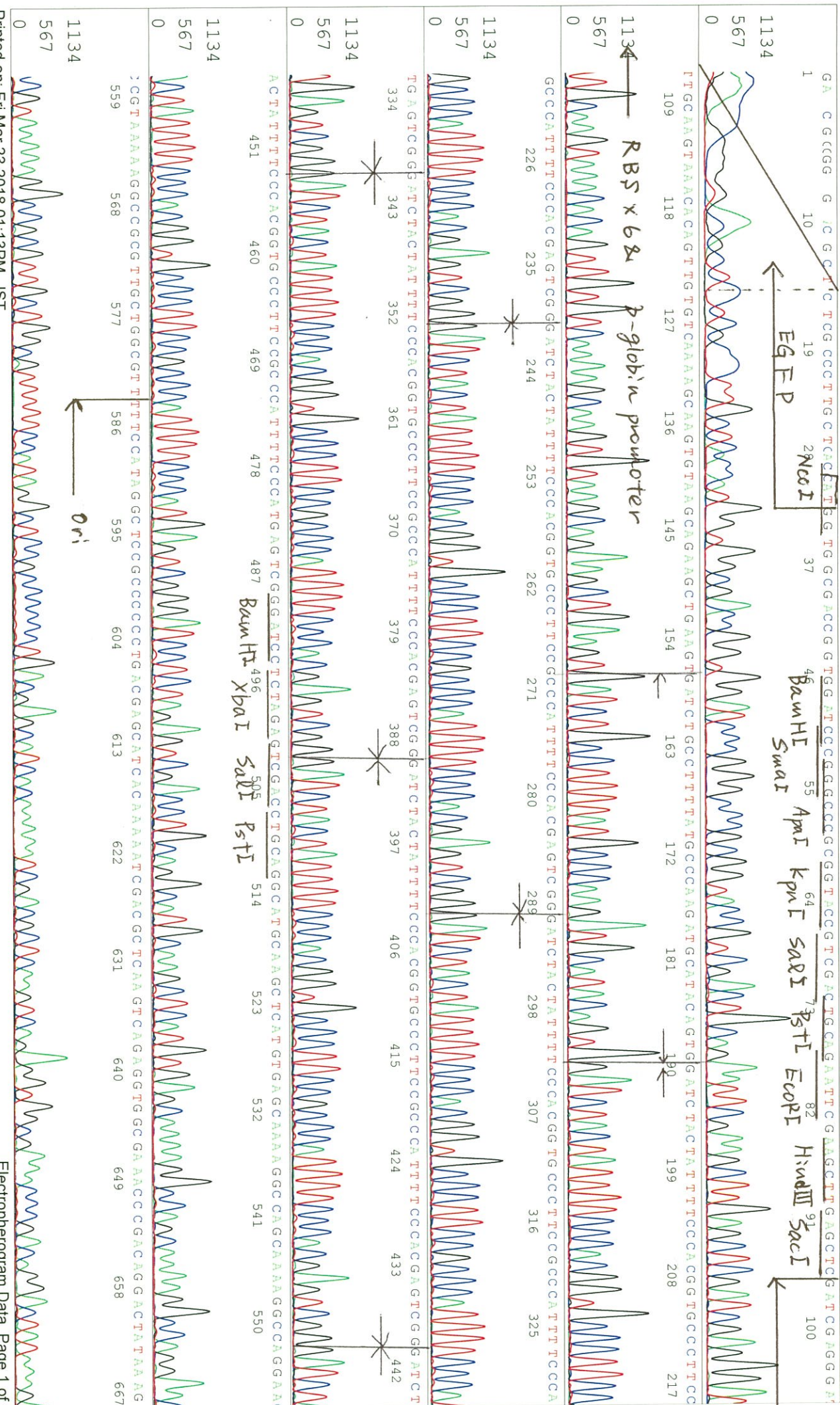
KB_bcp KB_3500_POP7_BDTV3.mob
 Pts 1519 to 12960 Pk1 Loc:1496
 Version 6.0 HiSeqV Bases: 963

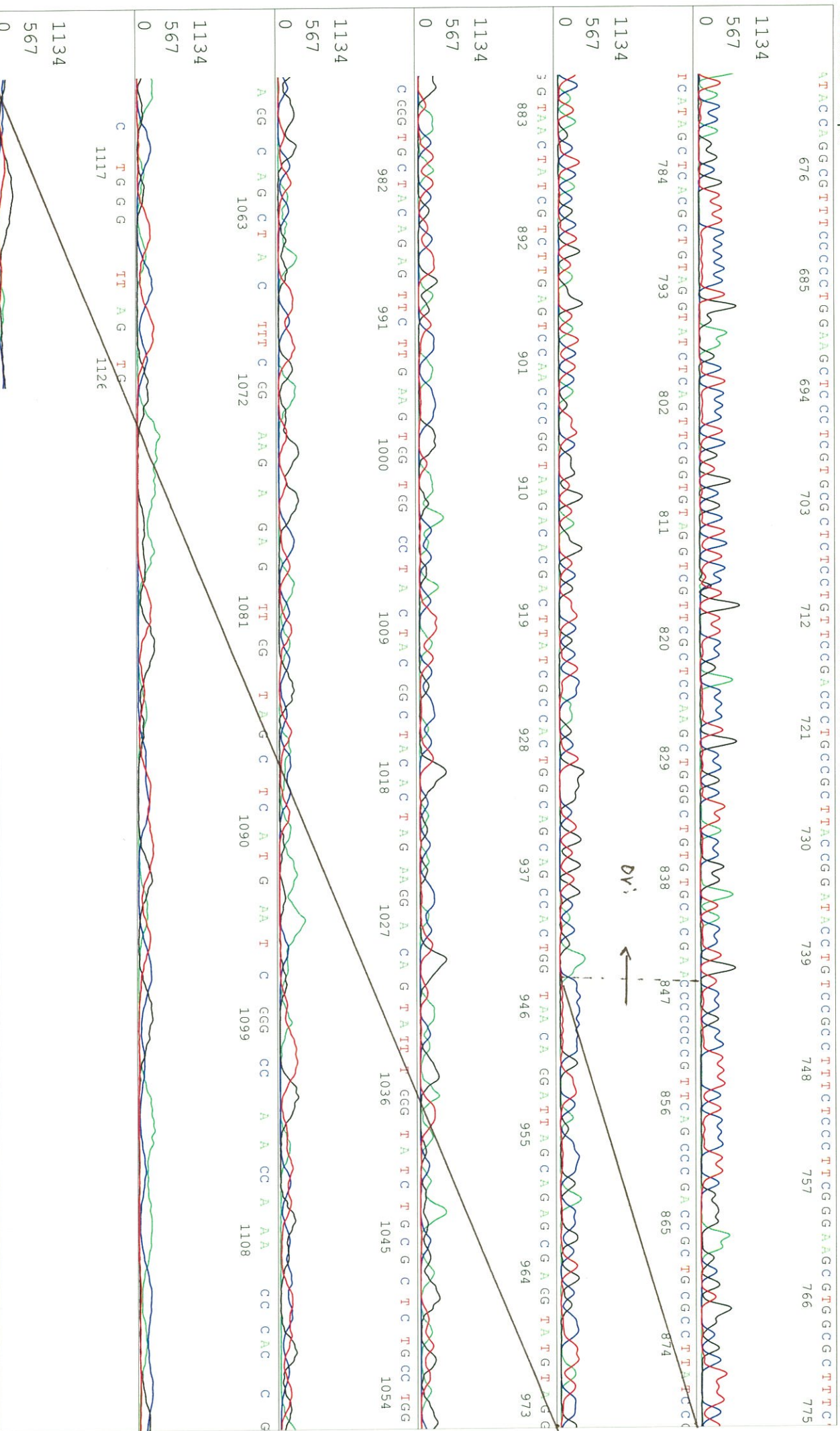
KB 1.4.1.8 Cap:8

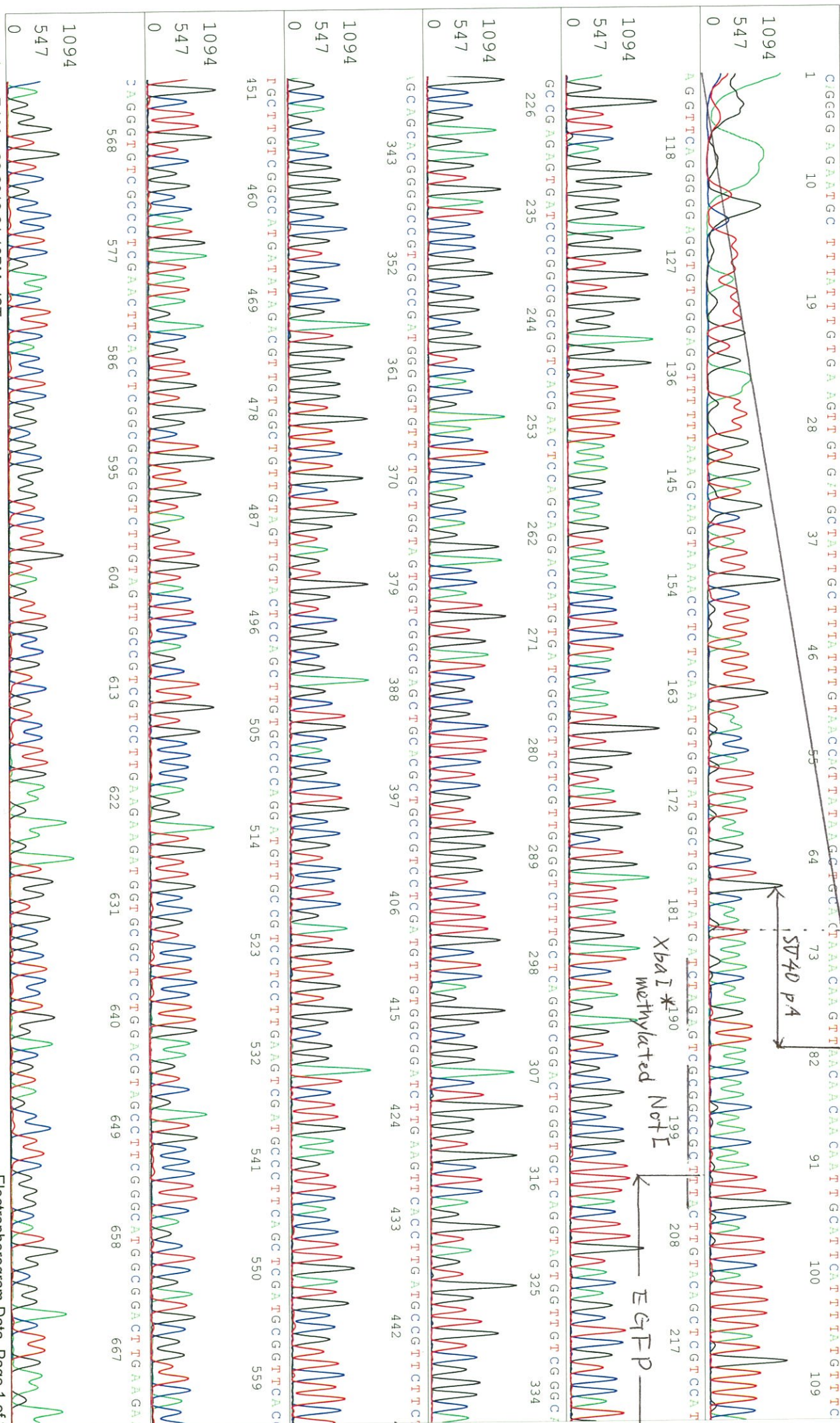
5'-CGTCCGGCTCCAGCTCGACCAG-3'



RBS x 6 & beta-globin promoter







1094 547 0
T G T C G T G C C T G C T T C A T G T G G T C C G G G G T A G C C G G C T G A A G C A C T G C A C C C C G T A G G T C A G G G T G C C A C G A G G G T G G C C A G G C A C G C T T G C C G G T G G T G C A G

1094 547 0
T G A A C T T C A G G G T C A G C T T G C C C G T A G G T G G C A T C G C C C T C G C C G G A C A C G C T G A A C T T G G C C G T T T A C G T C G C C G T C C A G C T C G A C C A G G A T G G

1094 547 0
3 C A C C A C C C C G G T G A A C A G C T C C T C G C C C T T G C T C A C C A T G G T G G C G A C C G G T G G A T C C C G G G C C C G C G G T A C C G T C G A C T G C A G A A T T C G A A G

EgFP



837 BsmHI
946 SmaI
955 KpnI
964 SclI
973 PstI

1094 547 0
C T T G A G C T C G A T C C G A G G G A T T G C A A G T A A A C A C A G T T G T C A A A A G C A A G G T G T A G C A G A G C T G A G T G A T C T G C C C

1094 547 0
T T T A T G G C C C A A G A T G C A T A C A G T G A T C T A C C T A T T A T C C C C A C C G A T G C C C G T T C C G A C C G

1094 547 0
A A T T T T T C G C
1126

SN G:140 A:238 T:167 C:270

primer name C : f1ori_R3

KB.bcp

5- TTAATGCCCGCTACAGGGC -3'

KB 1.4.1.8 Cap:14

5- TTAATGCCCGCTACAGGGC -3'

Version 6.0 HiSQV Bases: 960

Plate Name: 20180323_mix

Ampr R promoter

ST40 pro/ori

ST40 pro/ori

clai*

methyated

NeoR / kan R

