

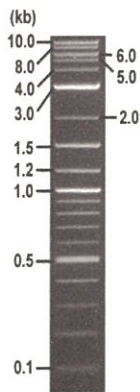


RIKEN DNA BANK

clone name : pET21c_Tr-cel74a-His

- Clone ID : RDB _ 08298
- Lot : 08298 _ A6G4
- 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>HindIII</u>	<u>7.9</u> kbp
<u>EcoRV</u>	<u>4.7, 3.2</u> kbp
<u>EcoRI</u>	<u>6.6, 1.3</u> kbp
_____	_____ kbp
_____	_____ kbp

● Confirmation of the insertion sequence

Sequence name	Primer name	Sequence name	Primer name
Sequence - A	T7_20bp	Sequence - E	-
Sequence - B	f1ori_R3	Sequence - F	-
Sequence - C	pGL3_RV4	Sequence - G	-
Sequence - D	-	Sequence - H	-



APPROVED BY :

S/N G:391 A:357 T:378 C:544

primer name A : T7_20bp

KB_bcp

Jul 07,2016 06:14PM, JST

KB 1.4.1.8 Cap:10

5'-TAATACGACTCACTAATAGG-3'

KB_3500_POP7_BDTV3.mob

Jul 07,2016 06:40PM, JST

KB 1.4.1.8 Cap:10

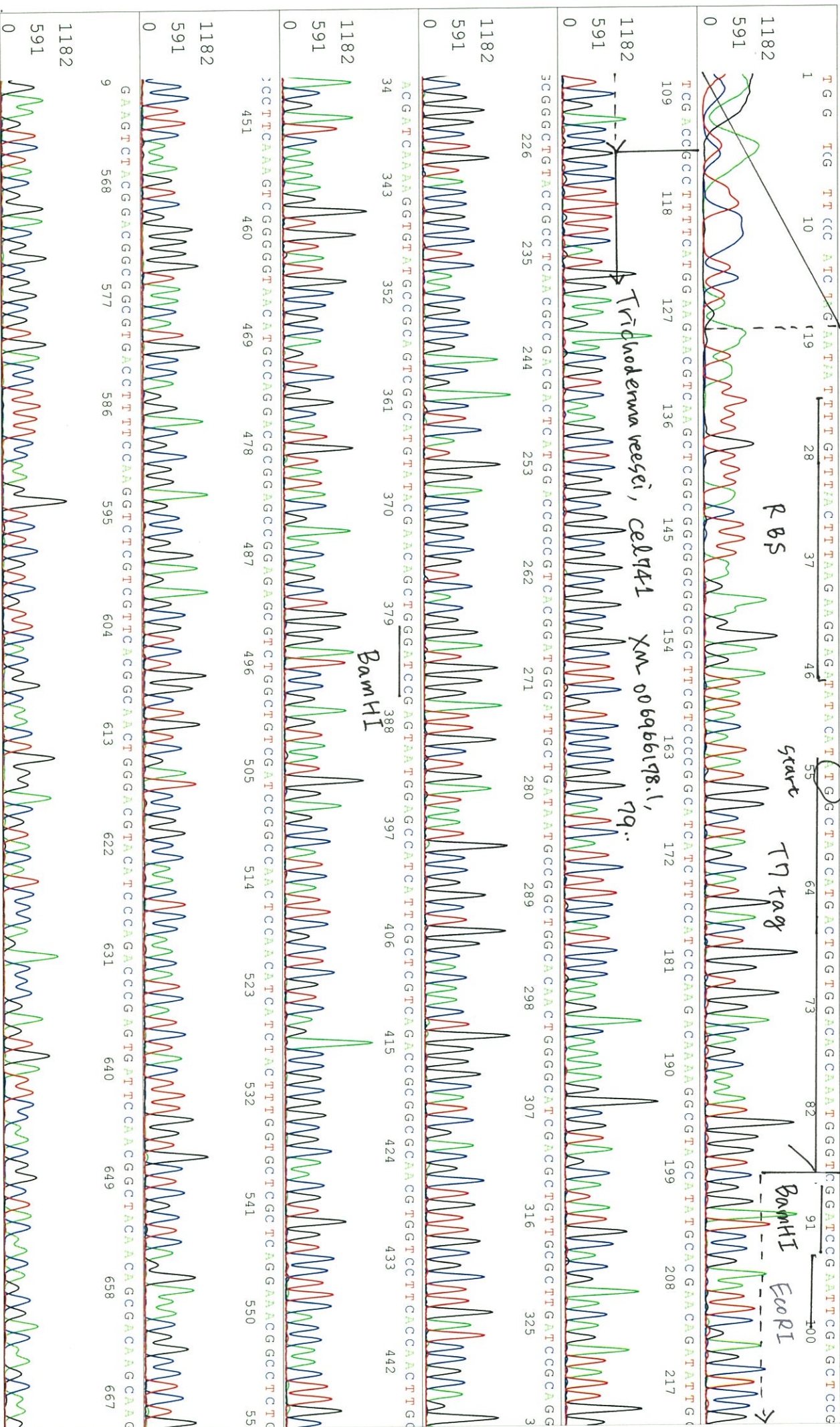
5'-TAATACGACTCACTAATAGG-3'

Pis 1392 to 12764 Pk1 Loc:1369

Spacing:11.32 Pts/Panel1350

Version 6.0 HISQV Bases: 979

Plate Name: 20160707_mix



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



Psi I

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

Bgl II

Xm, /! ..968

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

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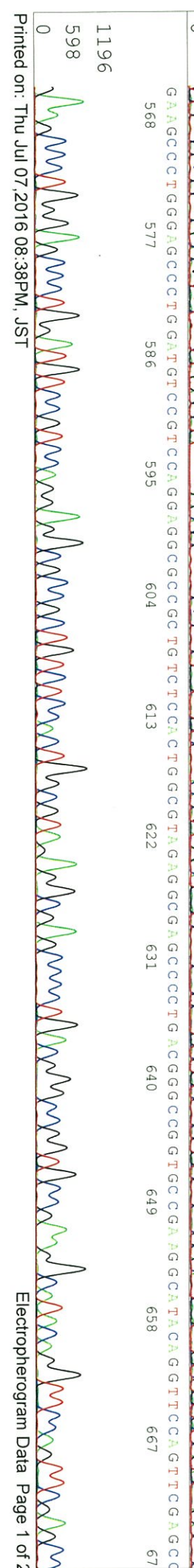
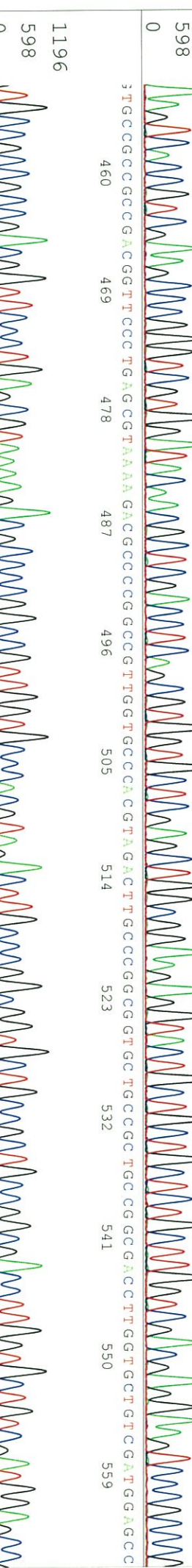
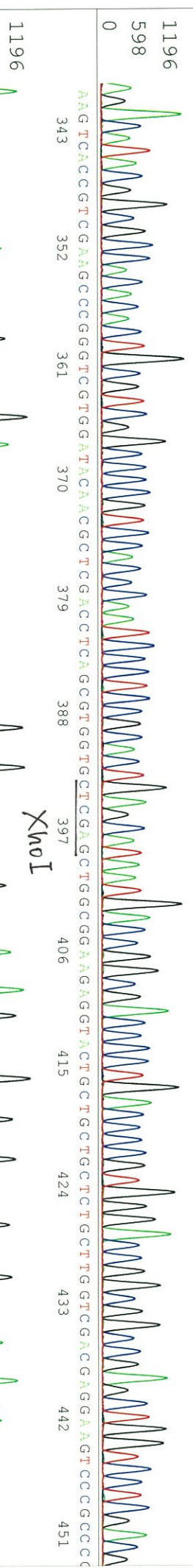
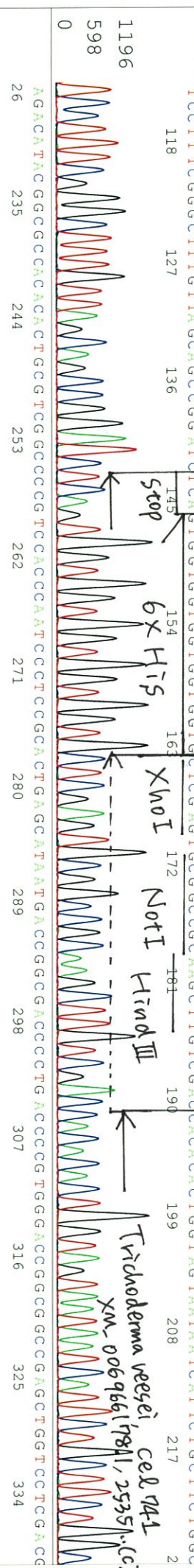
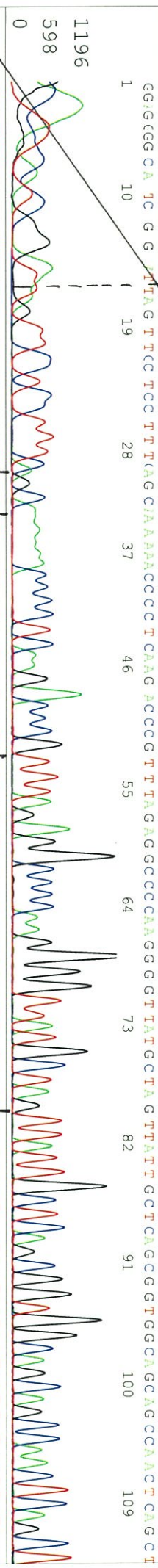
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1117 1126



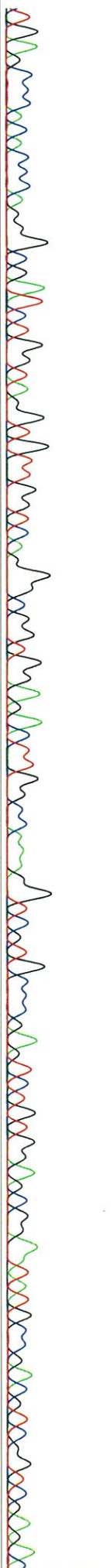
primer name *β* : f1ori_R3
5'-TTAATGCCCGCTACAGGGC-3'

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08298_08298_A6G4_f1ori_R3
KB_3500_POP7_BDTV3.mob
Pis 1373 to 12888 Pk1 Loc:1350
Version 6.0 HISQV Bases: 988

Inst Model/Name 3500/3500 Instrument
Jul 07 2016 06:14PM, JST
Jul 07 2016 06:40PM, JST
Spacing: 11.46 Pts/Panel1350
Plate Name: 20160707_mix

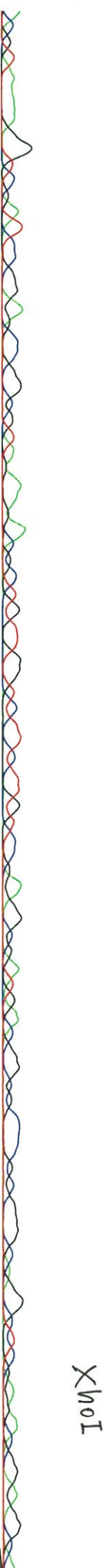


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EcoRV

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



XhoI

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



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



S/N G:52 A:36 T:42 C:56

primer name C : pGL3_RV4

08298_08298_A6G4_pGL3_RV4

Jul 07, 2016 06:14PM, JST

KB bcp

5-GACGATAGTCATGCCCGCG-3'

KB_3500_POP7_BDTV3.mob

Jul 07, 2016 06:40PM, JST

KB 1.4.1.8 Cap:11

Version 6.0 HISQV Bases: 1009

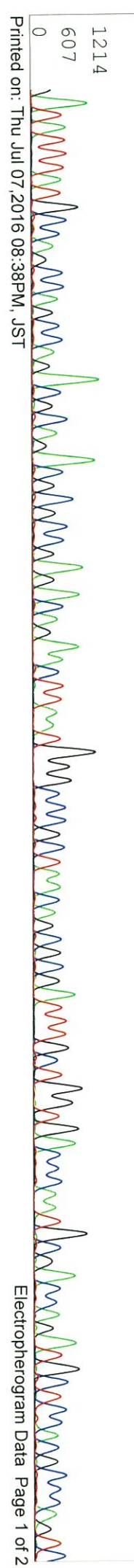
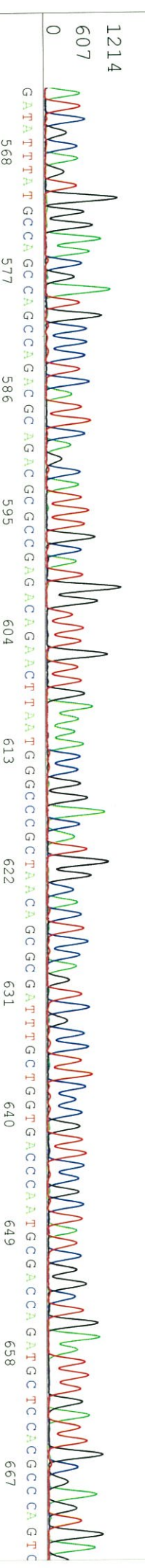
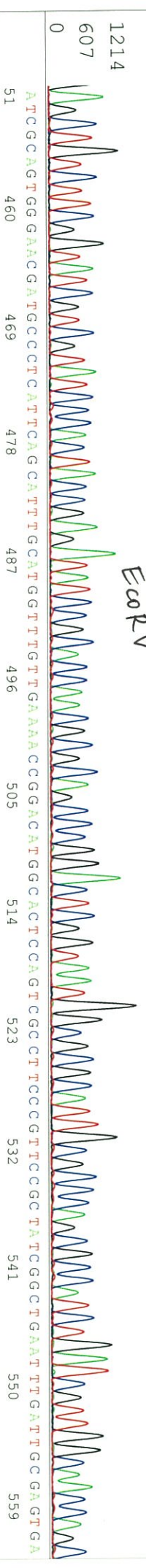
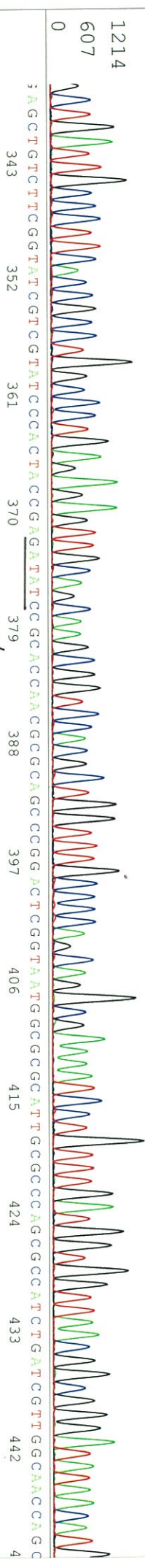
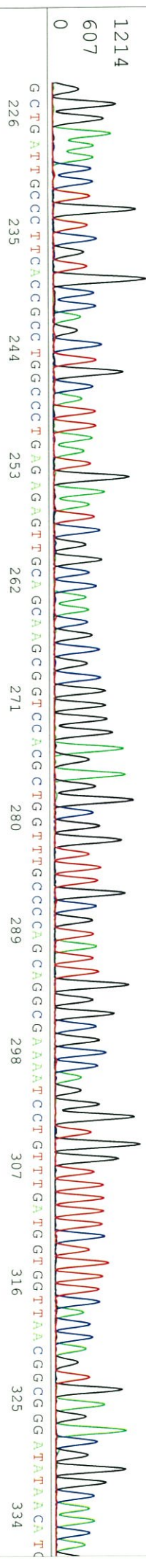
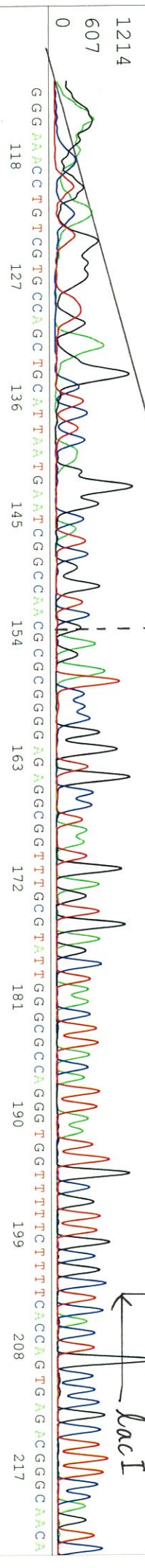
Pis 1328 to 12654 PK1 Loc:1305

Spacing:11.19 Pts/Panel1350

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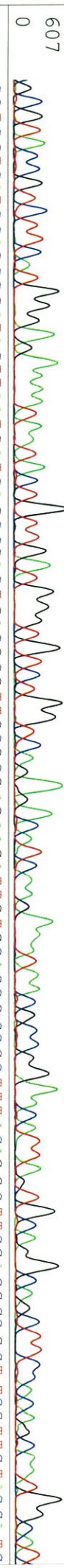
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5' stop lacI



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1214
607



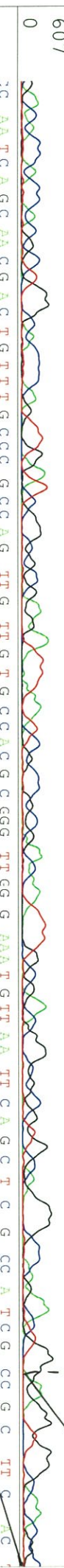
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MluI



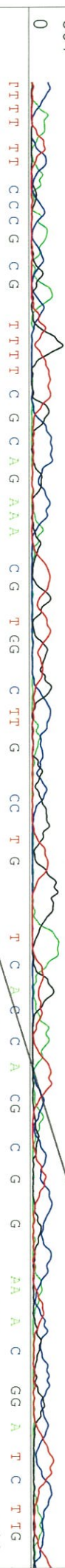
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1214
607



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1214
607



1072 1081 1090 1099 1108 1117 1126

1214
607



1135

1214
607



1126