

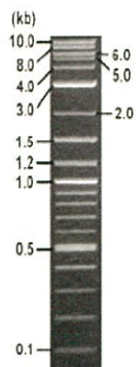


RIKEN DNA BANK

clone name : pMFGhB7-1 (CD80)

- Clone ID : RDB\_02977
- Lot : 15968\_A8F6
- 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),  
250 ng/well



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

Restriction enzyme	Expected size of fragment	
<u>NcoI</u>	<u>7.0</u>	kbp
<u>XbaI</u>	<u>4.2, 1.6, 1.2</u>	kbp
<u>NheI</u>	<u>4.2, 2.8</u>	kbp
		kbp
		kbp

● Confirmation of the insertion sequence

Sequence name	Primer name	Sequence name	Primer name
Sequence - A	pMFG_F	Sequence - E	Reverse2
Sequence - B	pMXs-3LTRup_R2	Sequence - F	-
Sequence - C	M13fwd	Sequence - G	-
Sequence - D	pMFG_1	Sequence - H	-

APPROVED BY :



S/N G:52 A:T:3 T:62 C:90

primer name A : pMFG\_F

02977\_D5679\_A8F6\_1\_pMFG\_F

Jun 13, 2018 04:09PM, JST

KB.bcp

5'-CTTCTCTAGGGCCCATATG-3'

KB\_3500\_POP7\_BDTV3.mob

Jun 13, 2018 04:37PM, JST

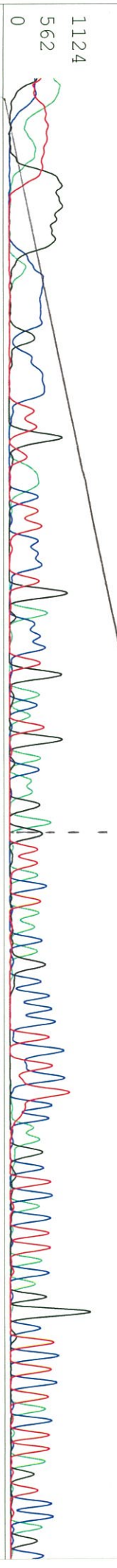
KB 1.4.1.8 Cap:1

Version 6.0 HISQV Bases: 956

Pts 1528 to 12355 PK1 Loc: 1505

Spacing: 10.83 Pts/Panel1350

TCTATAATGGCGGG CACC CCG C C C TTG T AACTTCCC TG ACCCTG ACATG AATTG AGTTAC TAAACA G C C C C T C T C C C A A G C T C A C T T A C A G G C T C T C T A C T T A G T C C A G



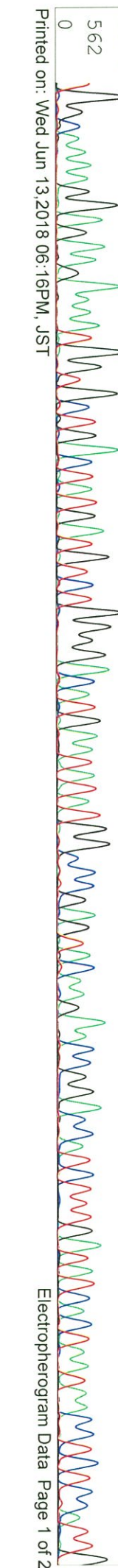
AGAACCTTAGAACCTTCCGCTGGAAAAGACCTTACACAGTCTGCTGACCAACCCCGCCCTCAAGTAGACGGCATCGGACTTG GATACACCGCCGACCGTGAAGGCTGCC



AGCCGGGGGGTGGACCATCTCTAGAACACCTGGGGCCACACACGGAGGCAAGGAACTCCACCAATTTCTTCAAGCTCTTGGTGGCTGGCT



TTCCTCACTTCTGTTCAGGTGTTATCCACGTTGACCAAGGAAAGTGGCCAAAGCTGTCCTGGTTCACAATGTTTCTGTTGAAAGAGCTGGCACAACCTCGCATCTAC



Printed on: Wed Jun 13, 2018 06:16PM, JST Electrotherogram Data Page 1 of 2







S/N G:149 A:264 T:329 C:294 primer name B : pMXs-3LTRup\_R2

KB.bcp KB 3500\_POP7\_BDTV3.mob

Jun 13, 2018 04:37PM, JST

KB 1.4.1.8 Cap:4

5- TGGGTCCTTTCATCCCCC-3'

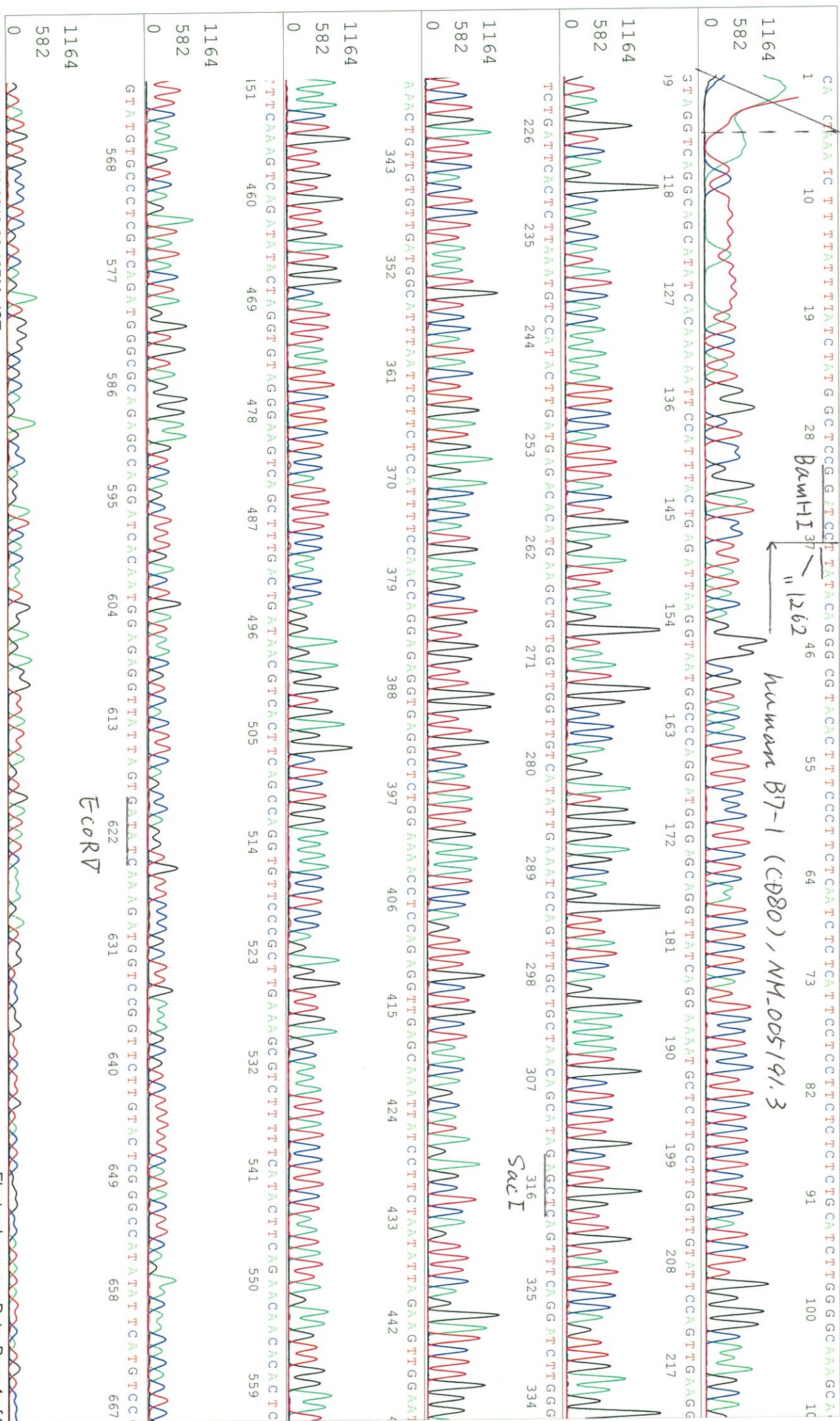
Pis 1559 to 11919 PK1 Loc:1536

Spacing:10.97 Pts/Panel1350

Version 6.0 HISQV Bases: 887

Plate Name: 20180613\_dnanbank

*human B17-1 (CB80), NH\_005191.3*



CCAGACAATCATAGTCAGCCACCATTCTCTCCCTTTGGCCAGTAGATGCGAGTTTGTGCCCA GCTCTTCAA CAGAAACAATTGTGACCA CAGACAGCGTTGC

1164  
582

CACCTCTTCTTCACTTCCCTTG GTCACCGTGGATAACA CCGTGAACAGAAAGTGA GAAAGAACCAAGCCAGCA CCAAGAGCTGAAA GAAATTGAGGTTA T

1164  
582

GACAC TTTGG GATGG TGATG TTCCCC TGCC TCCG TGG TGG TGG CCCC ATGG TGG TGC TTA GAA GGAA TGG TCC ACCC CCCC GG G TTT GGC A

1164  
582

G CC TTT CAC G TGG GCG CGCG TGT AT C AGCC TCG CG ATG CC GG TCTTAC TT TGAAG GCG CC GG TGG GGG TGG

1164  
582

TTCAA G C  
1018

1164  
582

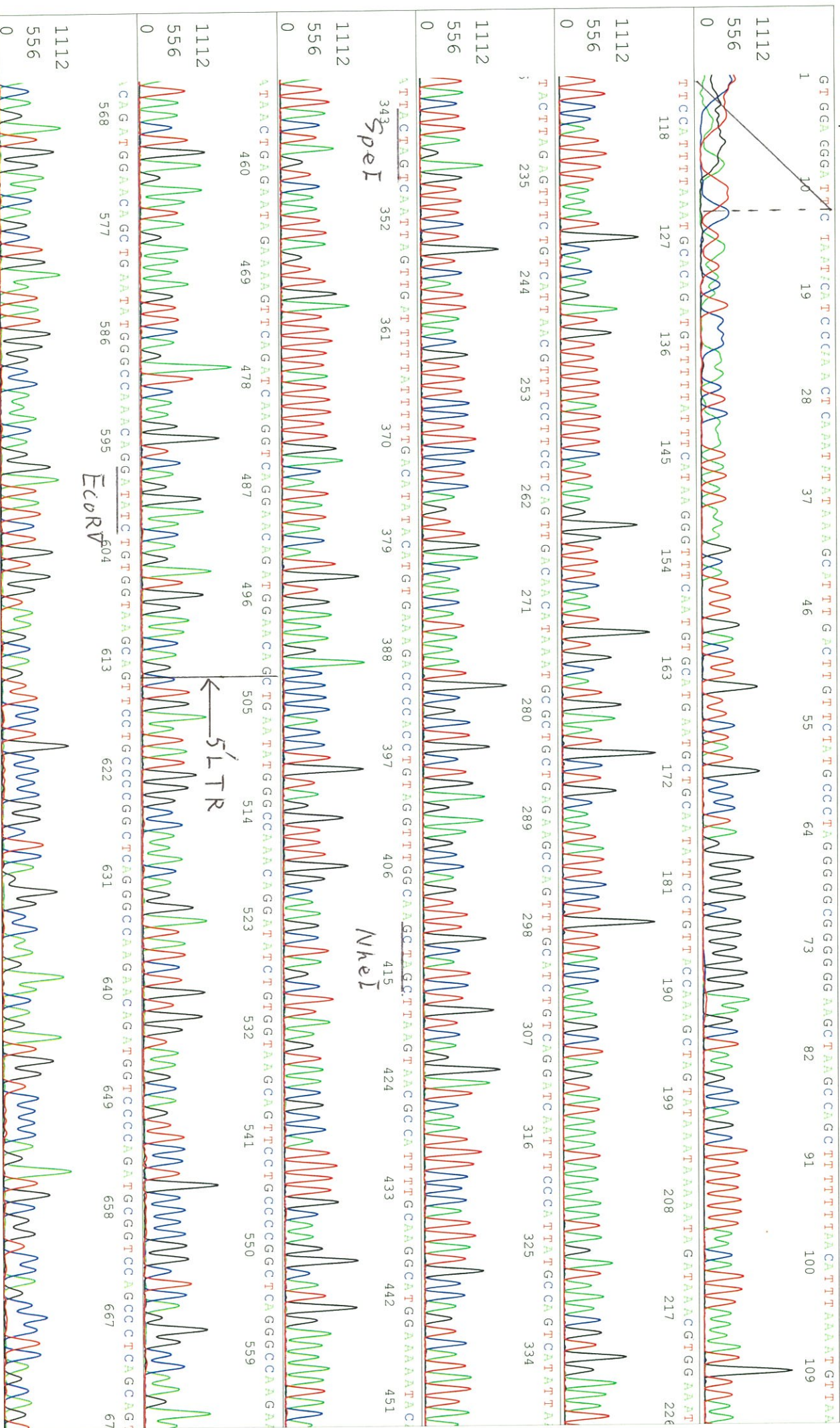


KB9-1 (CDB01), NH<sub>4</sub> →

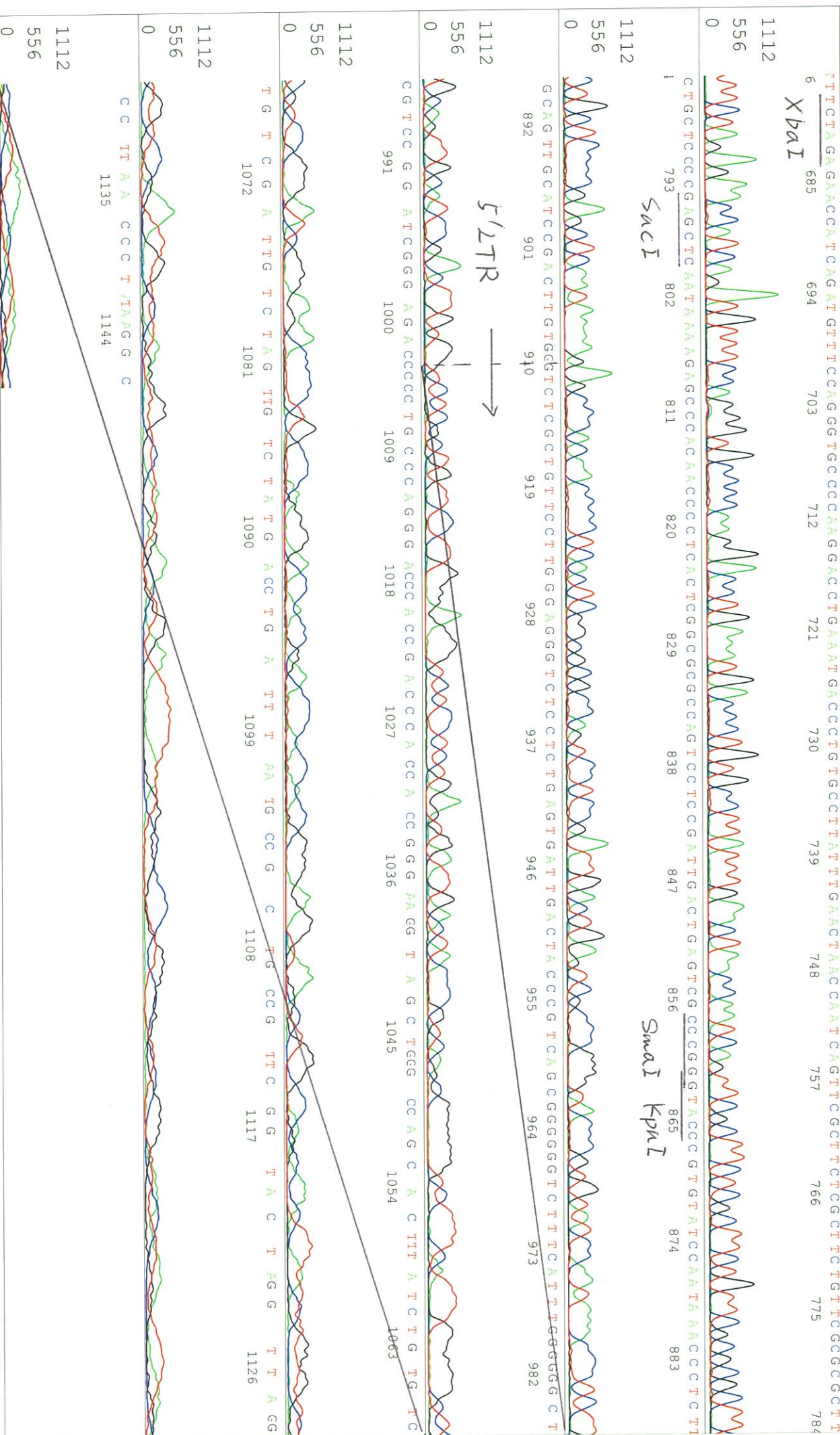


primer name C : M13fwd  
5- GTAAACGACGCGCCAGT-3'

Pts 1434 to 13156 Pk1 Loc:1411  
Version 6.0 HISQV Bases: 997









S/N G:21 A:32 T:25 C:36

KB.bcp

KB 1.4.1.8 Cap:6

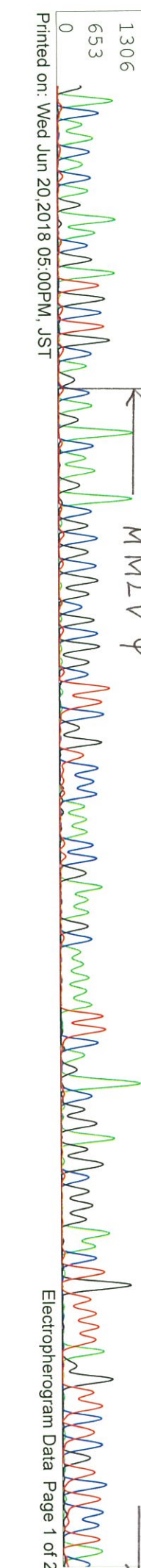
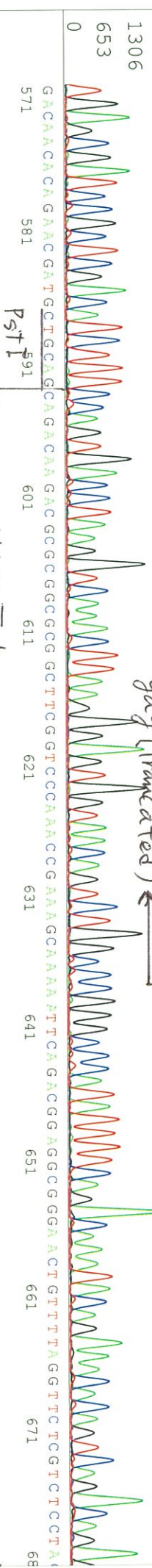
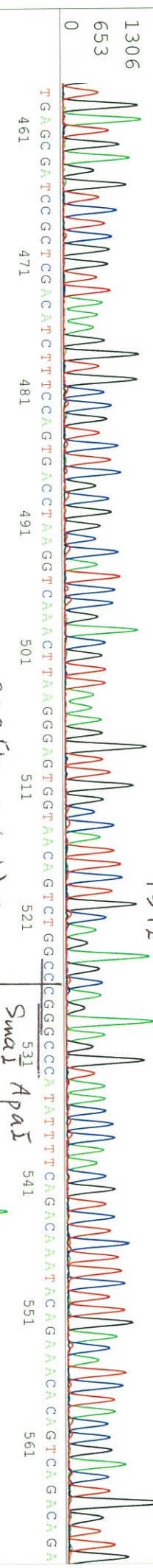
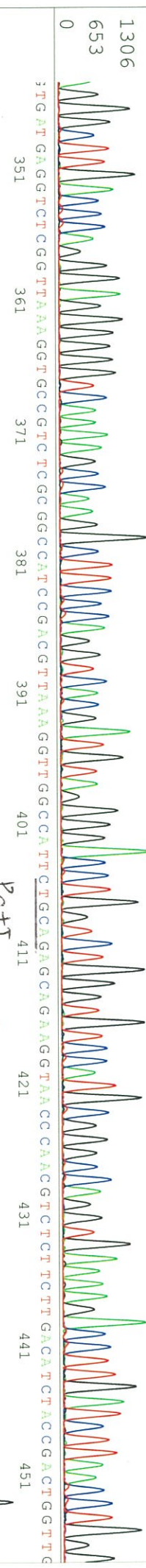
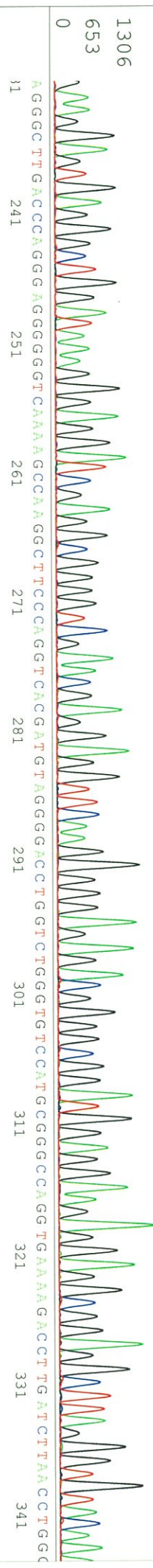
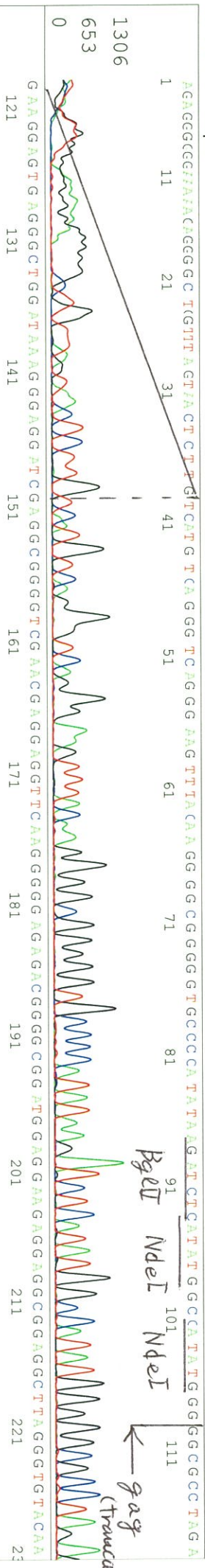
primer name D : pMFG\_1

5'-TGCTGGACTAAGTAGAGAG-3'

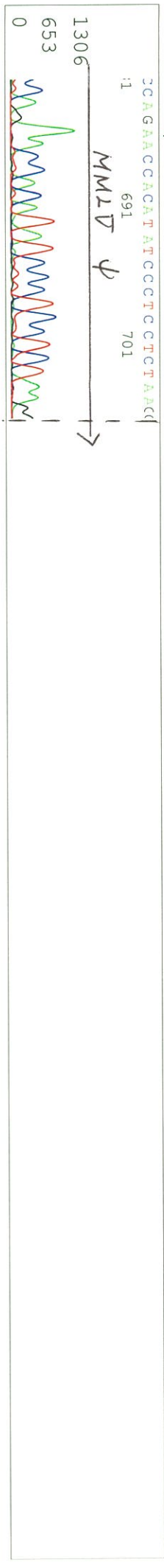
Version 6.0 HiSQV Bases: 674

BglII NdeI NdeI

gag (truncated)









S/N G:152 A:368 T:241 C:345

primer name E : Reverse2

KB\_3500\_POP7\_BDTV3.mob

Jun 13,2018 04:37PM, JST

KB.bcp

5- GCGGATTAACAATTTACACACAGG -3'

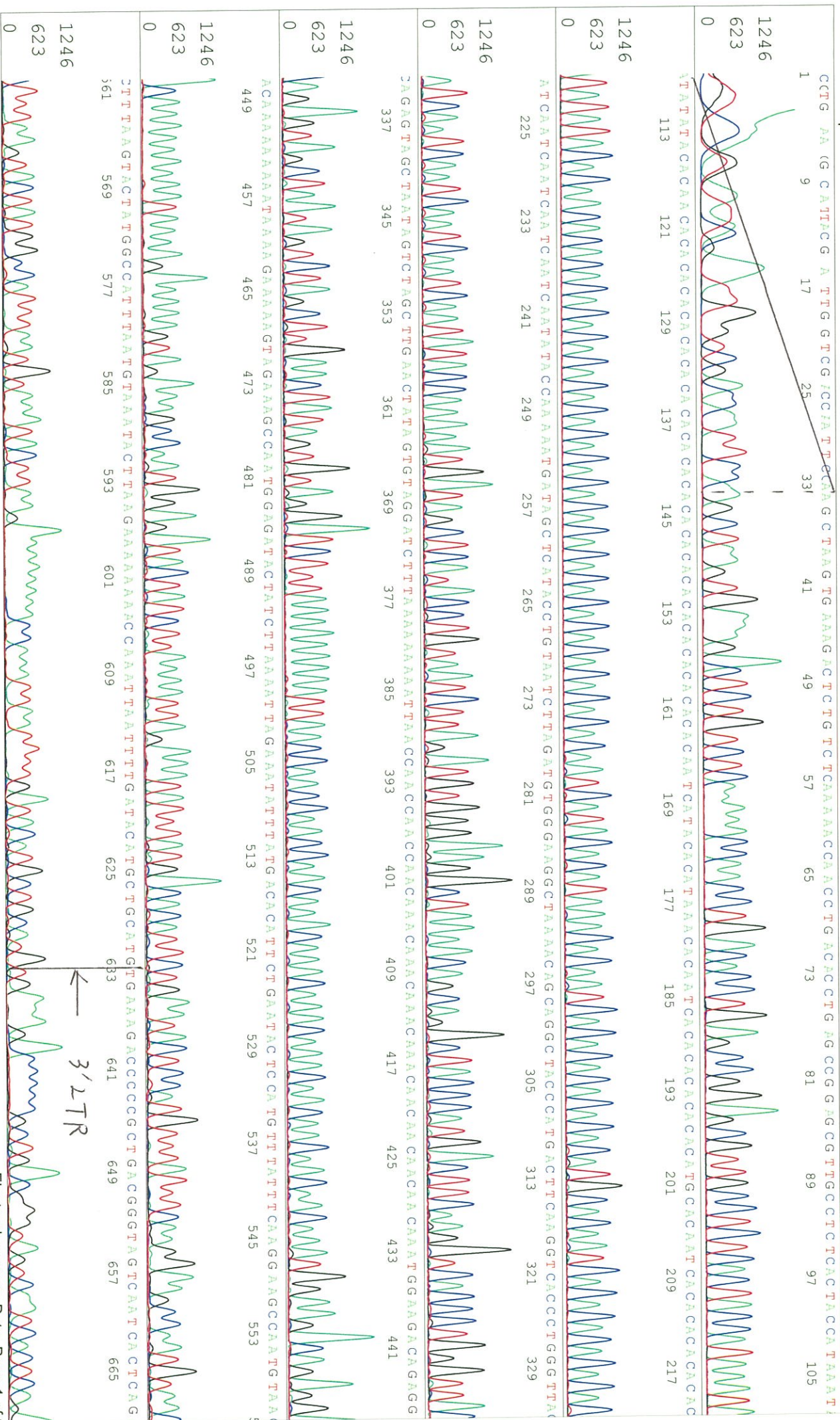
Pls 1506 to 12562 Pk1 Loc:1483

Spacing: 11.0 Pls/Panel1350

KB 1.4.1.8 Cap:13

Version 6.0 HiSeqV Bases: 854

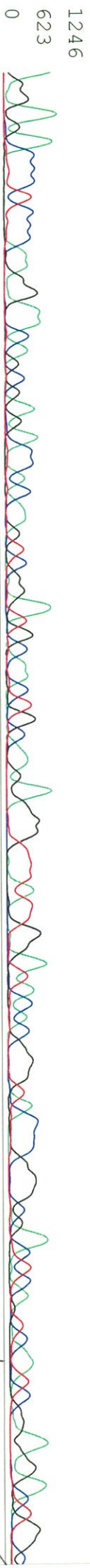
Plate Name: 20180613\_dnabank





AGGAGACCCCTCCCAAGG AACAGCGAGACCAAAAGTCGGATTGCCAACTGC AAGAGGGTTTATTGGATTACACGGGTACC CGGGCGGACCTCAGTCAATCCGAGACTGGC

673 681 689 697 705 713 721 729 737 745 753 761 769



SACI

3'LTR

→

GCCCCGAGTGA GGGGTTGTGGGCTCTTTTATTGAGCTCGGGG AGCAGAA GCGCGCG AACAGAA GCGA GAA GCG AACTGATTGTTTAA GTTCAAATAA

777 785 793 801 809 817 825 833 841 849 857 865

ATCTGTTCTTGGCCCTGGGC'CGGGCAAGACCTGC TACACA GGAATTC TGTTTGCCAATAATTCAGCTG

969 977 985 993 1001 1009 1017 1025

TCTATCTGTCGTGGCCCTGGGC'CGGGCAAGACCTGC TACACA GGAATTC TGTTTGCCAATAATTCAGCTG

1033 1041 1049 1057 1065

