

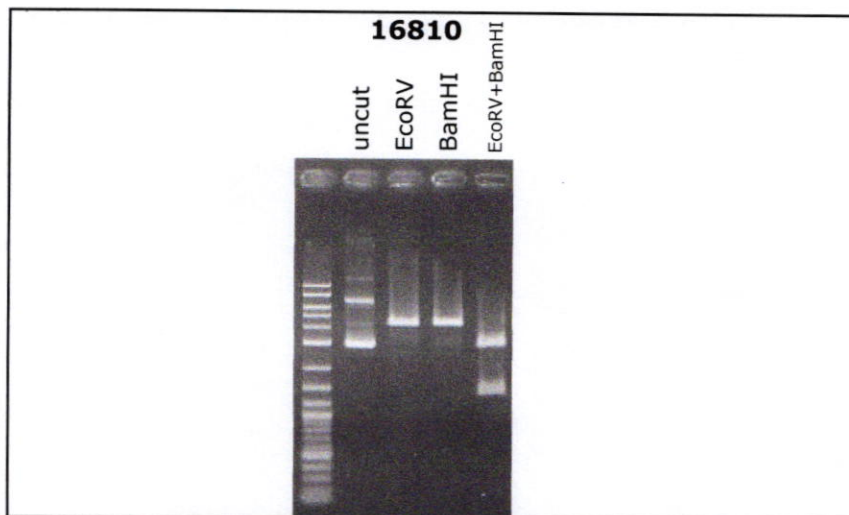
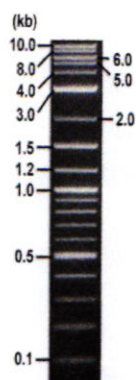


**RIKEN DNA BANK**

clone name : **pMK349 (BSD-P2A-mAID-mCherry2)**

- Clone ID : RDB\_16810
- Lot : 16810\_A8Lp
- 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

1 kb Plus 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
<b>EcoRV</b>	<b>4.4</b> kbp
<b>BamHI</b>	<b>4.4</b> kbp
<b>EcoRV+BamHI</b>	<b>2.9, 1.4</b> kbp
	kbp

● Confirmation of the insertion sequence

Please be sure to check our sequence analysis results before your request.

Sequence name	Primer ID	Primer name	Confirmed feature
Sequence - A	Pr0310	pUC-M13_-100	T7 pro,MCS,insert 5'(BSD,P2A,mAID 5')
Sequence - B	Pr0099	reverse	MCS,insert 3'(liker,mCherry2 3')
Sequence - C	Pr0527	mCherry-check_R4	insert mid(mCherry2 5',mAID,P2A,BSD 3')
Sequence - D	-	-	-
Sequence - E	-	-	-
Sequence - F	-	-	-
Sequence - G	-	-	-
Sequence - H	-	-	-

APPROVED BY :



primer name A : pUC-M13\_-100

KB 3500\_POP7\_BDTV3.mob

Feb 20, 2019 03:15PM, JST

5'-ATTACGCCAGCTGGCGAAAGG-3'

Pts 1581 to 13088 Pk1 Loc:1558

Spacing:11.69 Pts/Panel1350

S/N G:279 A:235 T:173 C:210

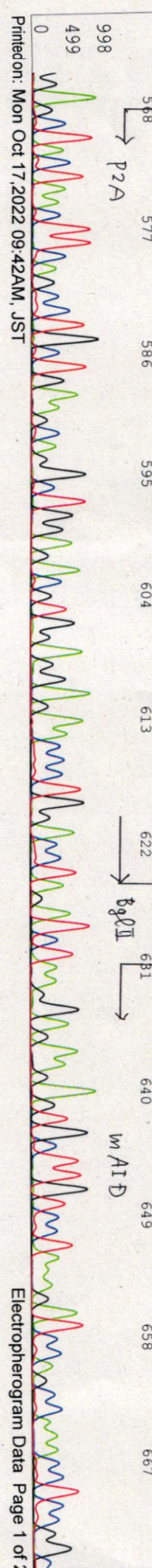
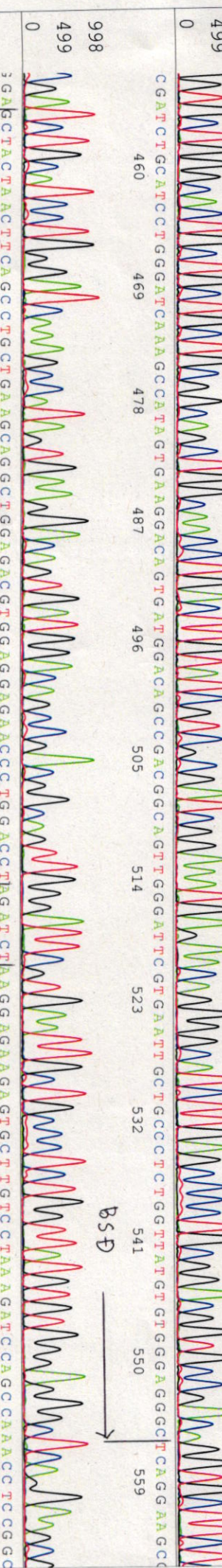
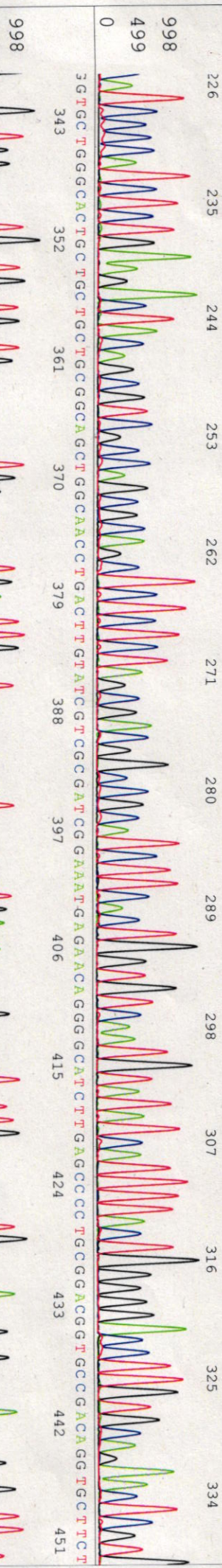
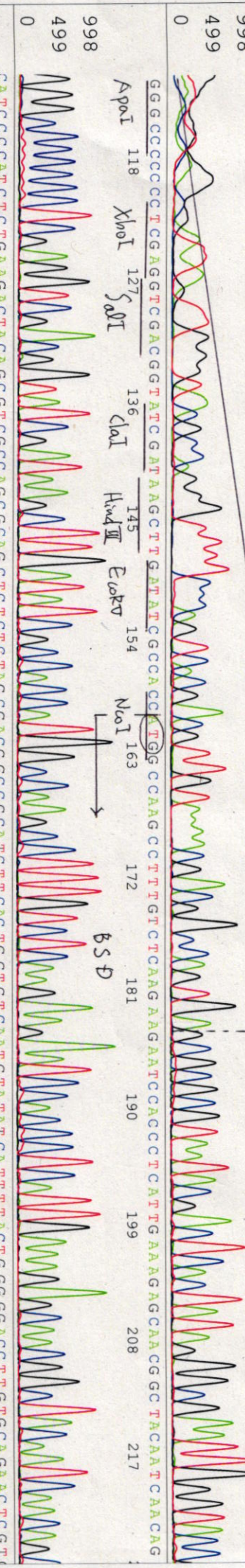
Version 6.0 HISQV Bases: 862

Plate Name: 20190220 kitaku

NNNNNNNN N NNN NNNNN NNN G GN NN GCNN GGG TTTTCCNNN TCNCGACG TTG TAAACG ACCGCCAATGT NGCCGCCGCTAATACG ACTCACCTATA GCGCGAAT TGGTACC

TT promoter

Kpn I



S/N G:279 A:235 T:173 C:210

D06157A6\_A8LP\_2\_pUC-M13\_-100

Feb 20, 2019 02:39PM, JST

KB.bcp

KB\_3500\_POP7\_BDTV3.mob

Feb 20, 2019 03:15PM, JST

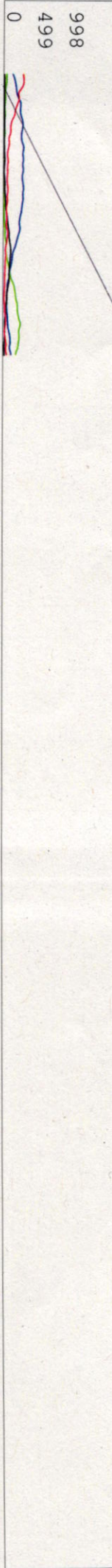
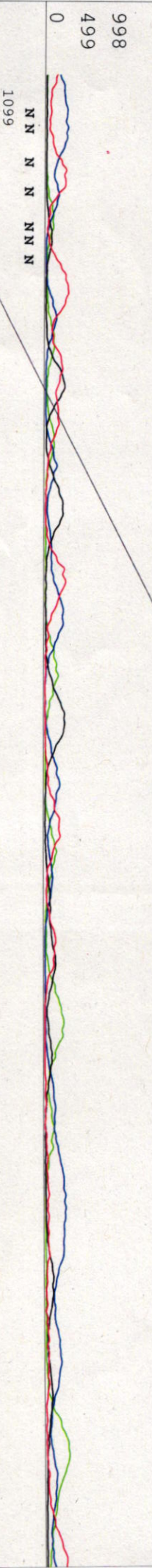
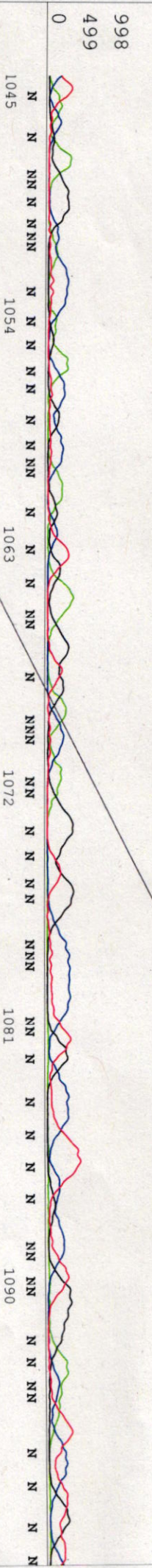
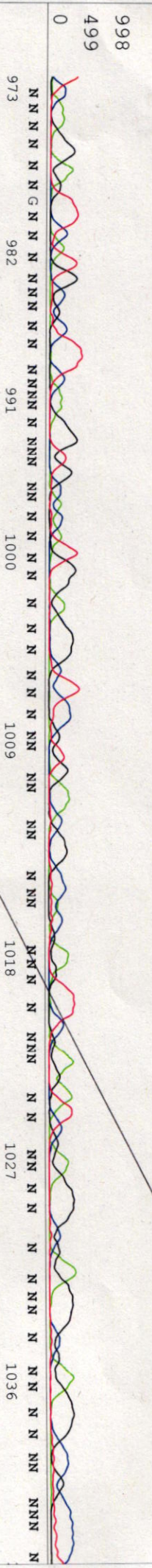
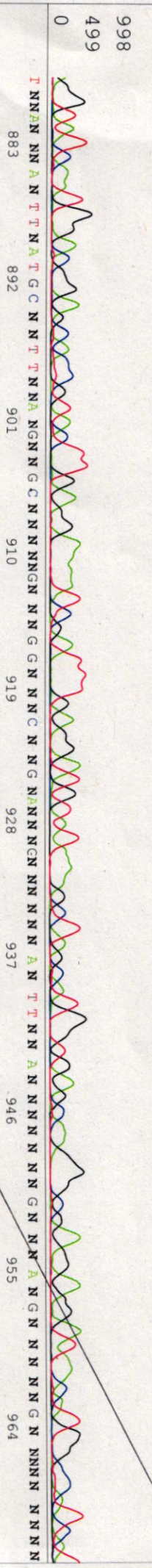
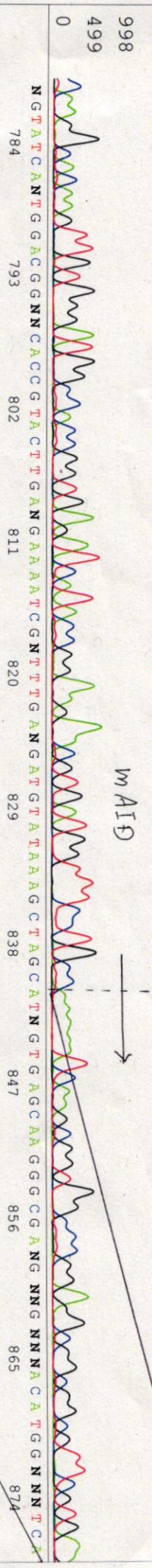
KB 1.4.1.8 Cap.3

Pts 1581 to 13088 Pk1 Loc:1558

Spacing: 11.69 Pts/Panel1350

Version 6.0 HISQV Bases: 862

M A I D





S/N G:217 A:138 T:131 C:173

D06157A6\_A8LP\_2\_reverse

Feb 20,2019 02:39PM, JST

KB.bcp

KB\_3500\_POP7\_BDTV3.mob

Feb 20,2019 03:15PM, JST

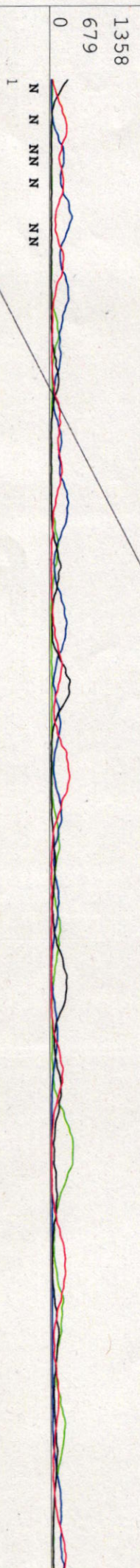
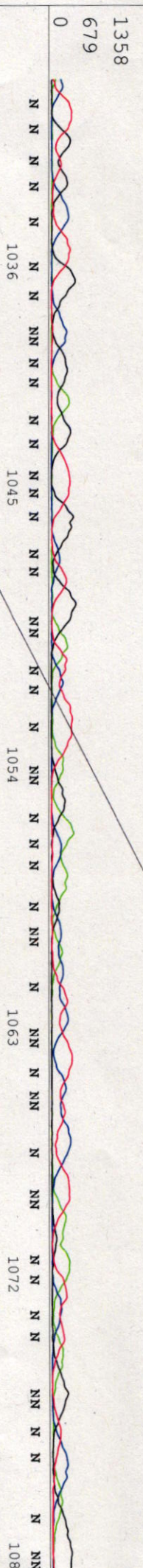
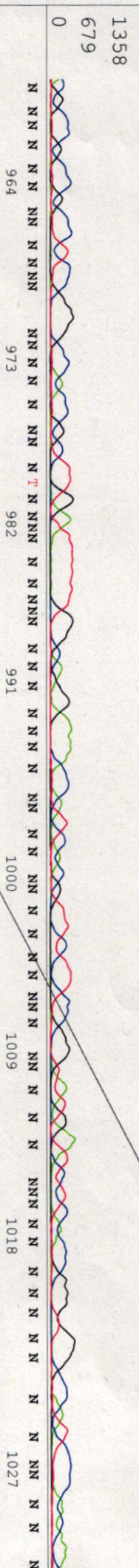
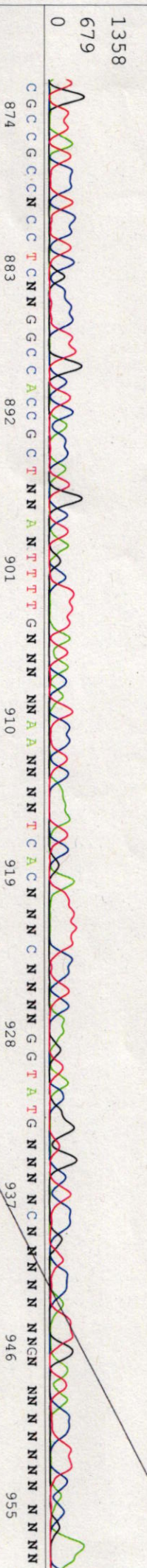
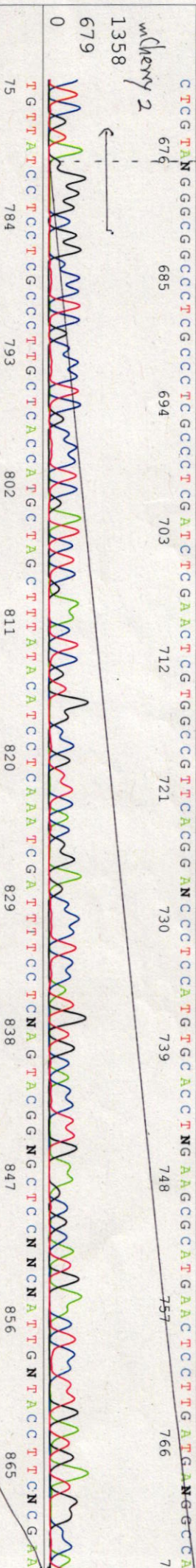
KB 1.4.1.8 Cap:6

Pts 1582 to 13007 Pk1 Loc:1559

Spacing:11.67 Pts/Panel1350

Version 6.0 HISQV Bases: 887

Plate Name: 20190220 Kitaku



Printed on: Mon Oct 17, 2022 09:42AM, JST  
 Electropherogram Data Page 2 of 2

S/N G:196 A:125 T:138 C:174

primer name C : mCherry-check\_R4

KB 3500\_POP7\_BDTV3.mob

Feb 20, 2019 02:39PM, JST

KB.bbp

KB 1630 to 13157 Pk1 Loc:1607

Version 6.0 HISQV Bases: 901

Spacing:11.62 Pts/Panel1350  
Plate Name: 20190220 Kitaku

1 NNNNNNN NNN NNN N NNN G IN NN TNNNTG NACTGNN GGG NN G TCCCCAG GCG AAG GGCAG GGG GGC CA C C C T T G G T C A C C T T C A G C T T G G C G G T G C C

mCherry 2

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

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

mCherry 2

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

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

BglII

P2A

BS-D

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

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