

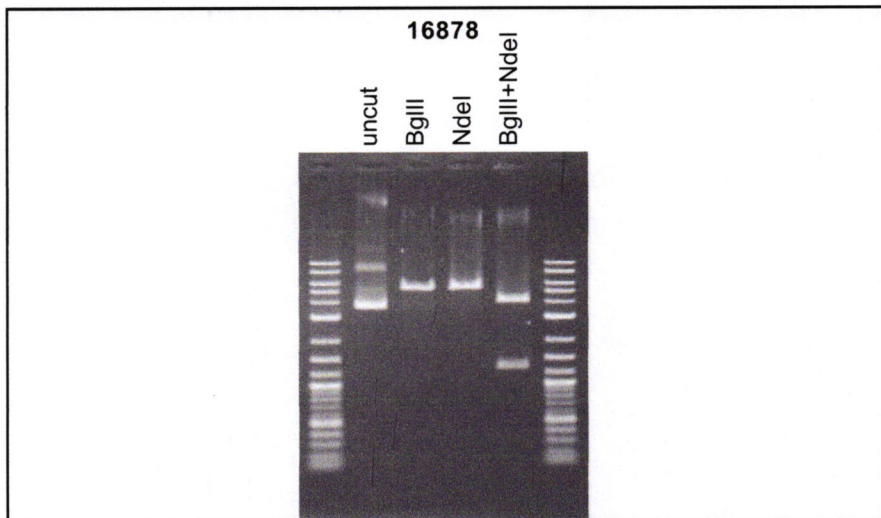
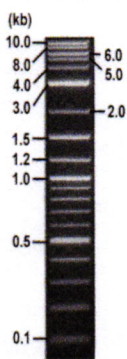


**RIKEN DNA BANK**

clone name : pEGFP-C1-Rab7-Q67L

- Clone ID : RDB \_ 16878
- Lot : 16878 \_ A9A8
- 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

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
<u>BgIII</u>	<u>5.4</u> kbp
<u>NdeI</u>	<u>5.4</u> kbp
<u>BgIII+NdeI</u>	<u>4.1, 1.3</u> 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	Pr0402	EGFP-C2	EGFP 3',insert
Sequence - B	Pr0623	SV40polyA_R2	insert 3'
Sequence - C	Pr0016	CMV_Forward	CMV pro,EGFP 5'
Sequence - D	Pr0154	SV40pro_F_V2	NeoR_KanR
Sequence - E	-	-	-
Sequence - F	-	-	-
Sequence - G	-	-	-
Sequence - H	-	-	-

APPROVED BY :



primer name A: EGFP-C2

5'-ACTACTGAGCACCAGTCC-3'

D06060F7\_A9A8\_3\_EGFP-C2\_E06\_15\_AB124

D06060F7\_A9A8\_3\_EGFP-C2

KB\_3500\_POP7\_BDTV3.mob

Pls 1343 to 13068 Pk1 Loc:1320

Version 6.0 HiSQV Bases: 986

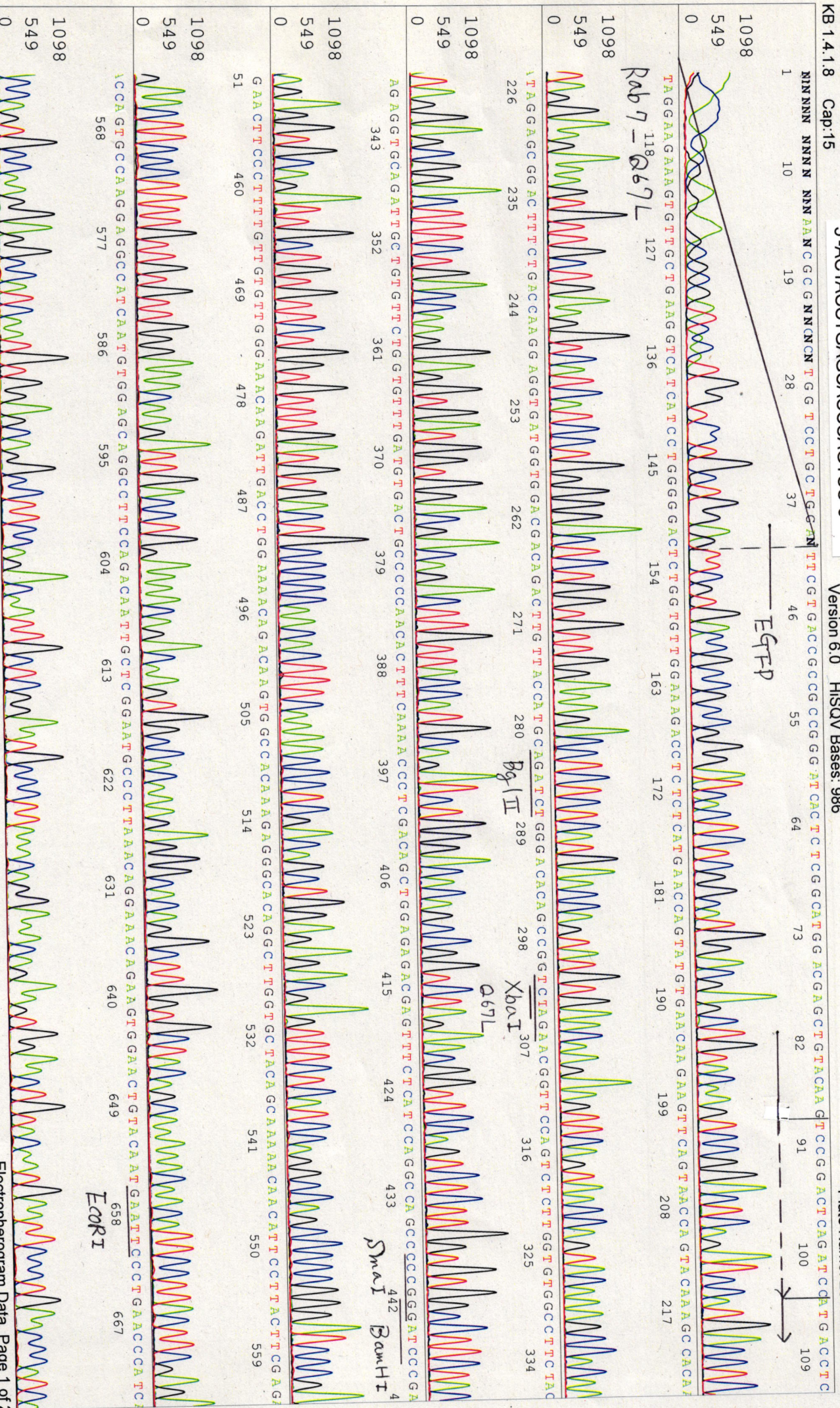
Inst Model/Name 3500/3500 Instrument

Jun 05, 2019 03:59PM, JST

Jun 05, 2019 04:25PM, JST

Spacing: 11.58 Pts/Panel1350

Plate Name: 20190605 kitaku



S/N G:84 A:98 T:77 C:112

D06060F7\_A9A8\_3\_EGFP-C2

Jun 05, 2019 03:59PM, JST

KB.bcp

KB\_3500\_POP7\_BDTv3.mob

Jun 05, 2019 04:25PM, JST

KB 1.4.1.8 Cap:15

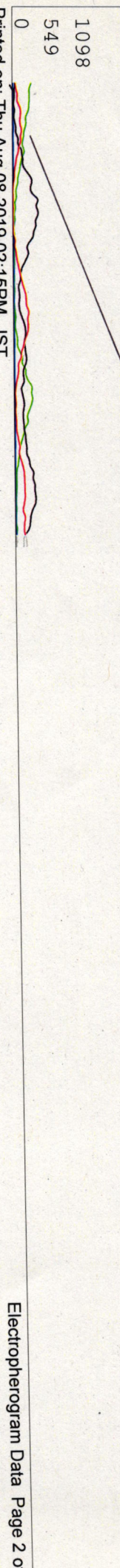
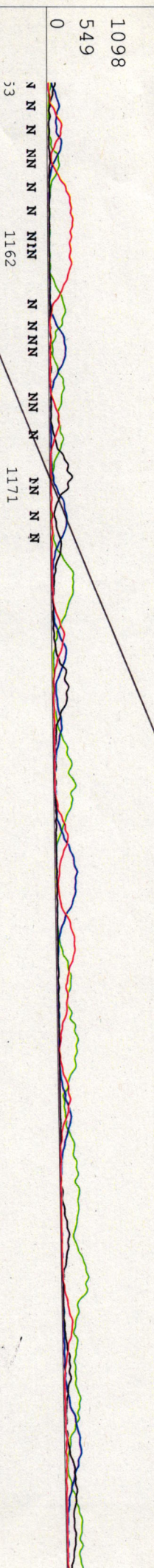
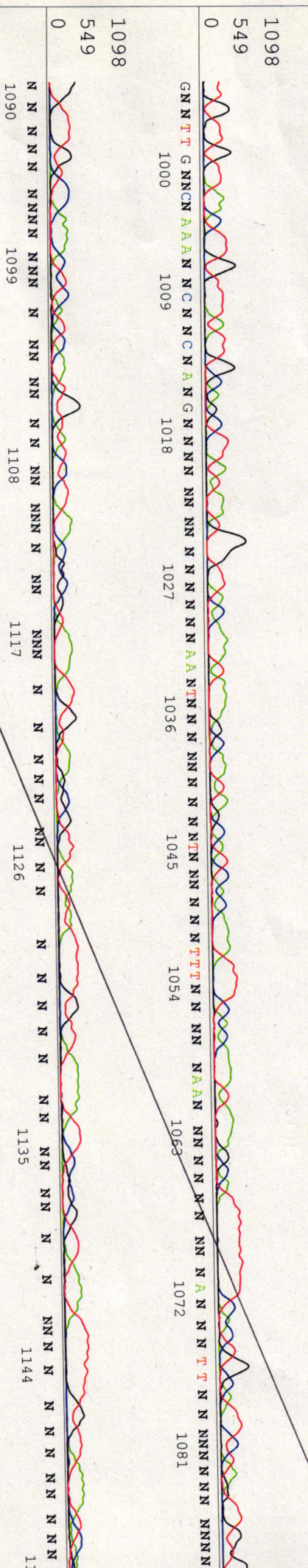
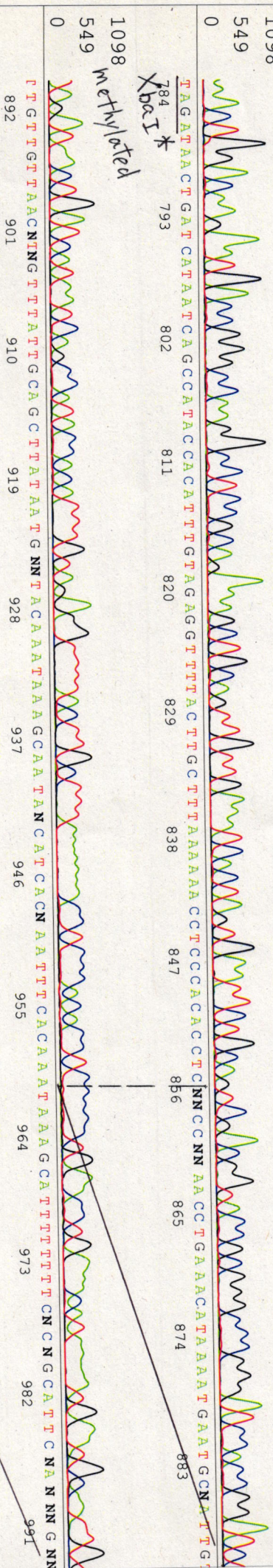
Pls 1343 to 13068 PK1 Loc:1320

Spacing:11.58 Pts/Panel1350

Version 6.0 HISQV Bases: 986

Plate Name: 20190605 Kitaku

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 676 685 694 703 712 730 739 748 757 766 775  
 XbaI \* 784 793 802 811 820 829 838 847 866 865 874 883  
 PstI 721 SpeI EcoRI PstI SalI KpnI ApaI SmaI BamHI  
 methylated



S/N G:305 A:283 T:319 C:371

D06060F7\_A9A8\_3\_SV40polyA-R2

KB\_3500\_POP7\_BDTV3.mob

Jun 05, 2019 03:59PM, JST

KB bcp

primer name **B** : SV40polyA\_R2

Pls 1355 to 13125 Pk1 Loc:1332

Jun 05, 2019 04:25PM, JST

KB 1.4.1.8 Cap:18

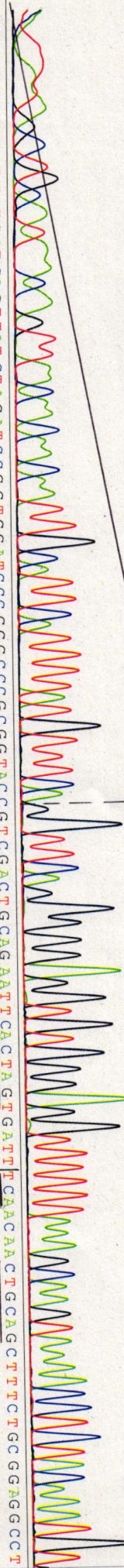
5' GTGAATTTGTGATGCTATTGCG 3'

Version 6.0 HISQV Bases: 936

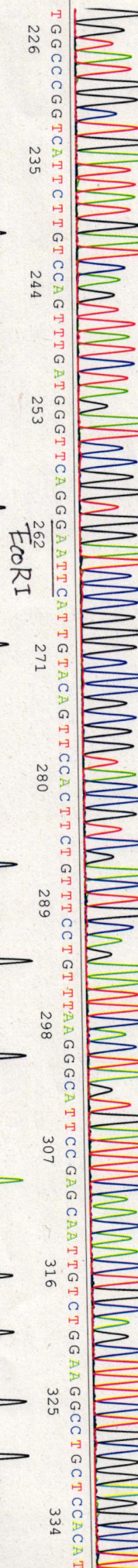
Spacing: 11.65 Pls/Panel1350

Plate Name: 20190605 Kitaku

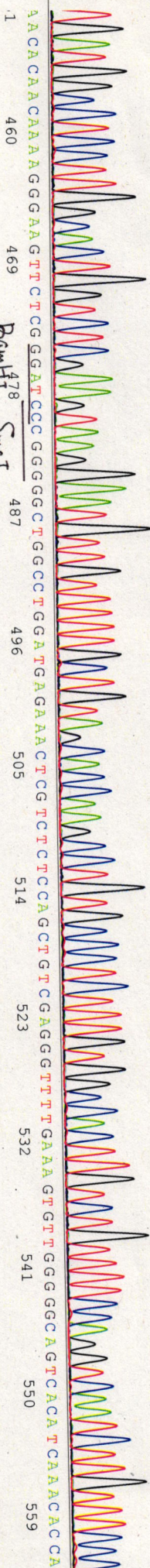
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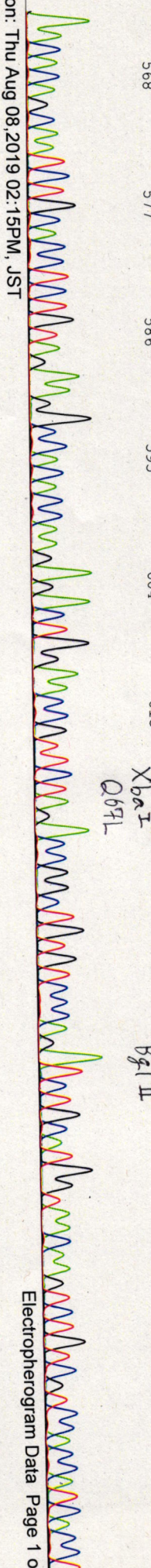
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 118 127 136 XbaI \* 145 BamHI SmaI ApaI KpnI SalI PstI EcoRI SpeI  
 methylated  
 ← PstI 199 Rab 7-Q67L 217



TGGCCCGTCACTTCTGTCCAAGTTGATGGGTCCAAGGAATTCATTGTACACAGTTCCACTTCTTTAAAGGCAATCCGAGCAATTGTCTGGAAAGCCCTGCTCCACAT  
 226 235 244 253 262 EcoRI 271 280 289 298 307 316 325 334



TGATGGCTCCCTGGCCACTGGTCTCGAAGTAAGGAATGTTGTTTTGCTGTAGCACCAAGCCCTGTCCTGGCCACTTGTGGCCACTTGCTCTGTTTTCCAGGTCATTCTGTTCC  
 343 352 361 370 379 388 397 406 415 424 433 442 45



AACACCAAAAGGGAATTCTCGGATCCC GGGGCTGGCCCTGGATGAGAAAAGCTCGTCTCCAGCTGTCGAGGTTTGAAGA GTTGGGGGCAATGTCACATCAAAACCA  
 460 469 BamHI SmaI 478 SmaI 487 496 505 514 523 532 541 550 559  
 ACACAGCAATCTGCACTCTGTAGAAAGCCACACCAAGAGACTGGAACCGTTCTTAGACCGGCTGTGTCACCA GATCTGCATGTTAAACAAGTCTGTCTCCACCATCACCT  
 568 577 586 595 604 613 XbaI Q67L 622 BamHI 640 Bgl II 649 658 667

JCTTGGTTCAGAAAGTCCCGCTCCCTATGTGGCTTTGTACTGGTTACTGAACCTTCTGTTCACATACTGGTTCCATGAGAGAGGTCTTCCACACCAAGAGTCCCGGAGATG  
 676 685 694 703 712 721 730 739 748 757 766 775

ATGANCTTCAGCAACACTTCTTCCCTAGAGGTCATGGATCTGANCCCCGGANTGTGTAACGCTCCGATGCGGANAGTGATCCCAGGCGGTCAGGAACTCCNGCN  
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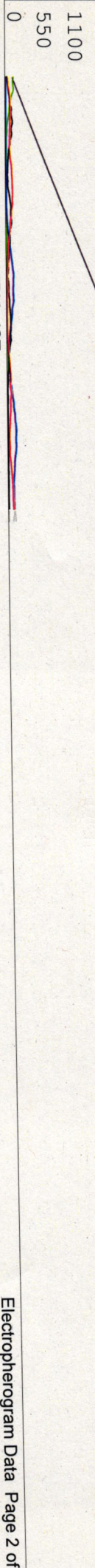
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 892 901 910 919 928 937 946 955 964 973 982

GGNGNNCTGNNGGNANNN  
 91 1000 1009 1018 1027 1036 1045 1054 1063 1072 1082

NN  
 81 1090 1099 1108 1117 1126 1135

NN  
 14 1153



S/N G:400 A:476 T:299 C:615

D06060F7\_A9A8\_3\_CMV\_Forward

KB\_3500\_POP7\_BDTV3.mob

Pls 1336 to 12875 Pk1 Loc:1313

Version 6.0 HISQV Bases: 918

KB.bcp

KB 1.4.1.8 Cap:21

primer name C : CMV\_Forward  
5' GCACCAAAATCAACGGGACTT 3'

Jun 05, 2019 03:59PM, JST  
Jun 05, 2019 04:25PM, JST  
Spacing: 11.5 Pls/Panel1350  
Plate Name: 20190605 kitaku

1 N N N N N N N N N N N N N N N N T G N G C N N T T G G C C G G T A G G C C G T G T A C C G T G G G A G G T C T A T A T A A G C A G A G C T G G T T T A G T G A A C C G T C A G A T C C G C T A C C G T C C G

CMV promoter

109 C A C C A T G G T G A G C A A G G G C G A G G A G C T G T T C A C C C G G G G T G G T G C C C A T C C T G G T C G A G C T G G A C G G C G A C G T A A A C G G C A A G T T C A G C G T G T C C G G C G A G G G C G  
NcoI 118 127 EGF-P 136 145 154 163 172 181 190 199 208 217

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

343 V C C C C G A C C A C A T G A A G C A G C A C G A C T T C T T C A A G T C C C G C C A T G C C C G A A G G C T A C G T C C A G G A G C G C A C C A T C T T C T C A A G A C G A C G A C G G C A A C T A C A A G A C C C G C C G A G

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

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

573 1146  
0 573 1146  
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SN G:400 A:476 T:299 C:615

D06060F7\_A9A8\_3\_CMV\_Forward

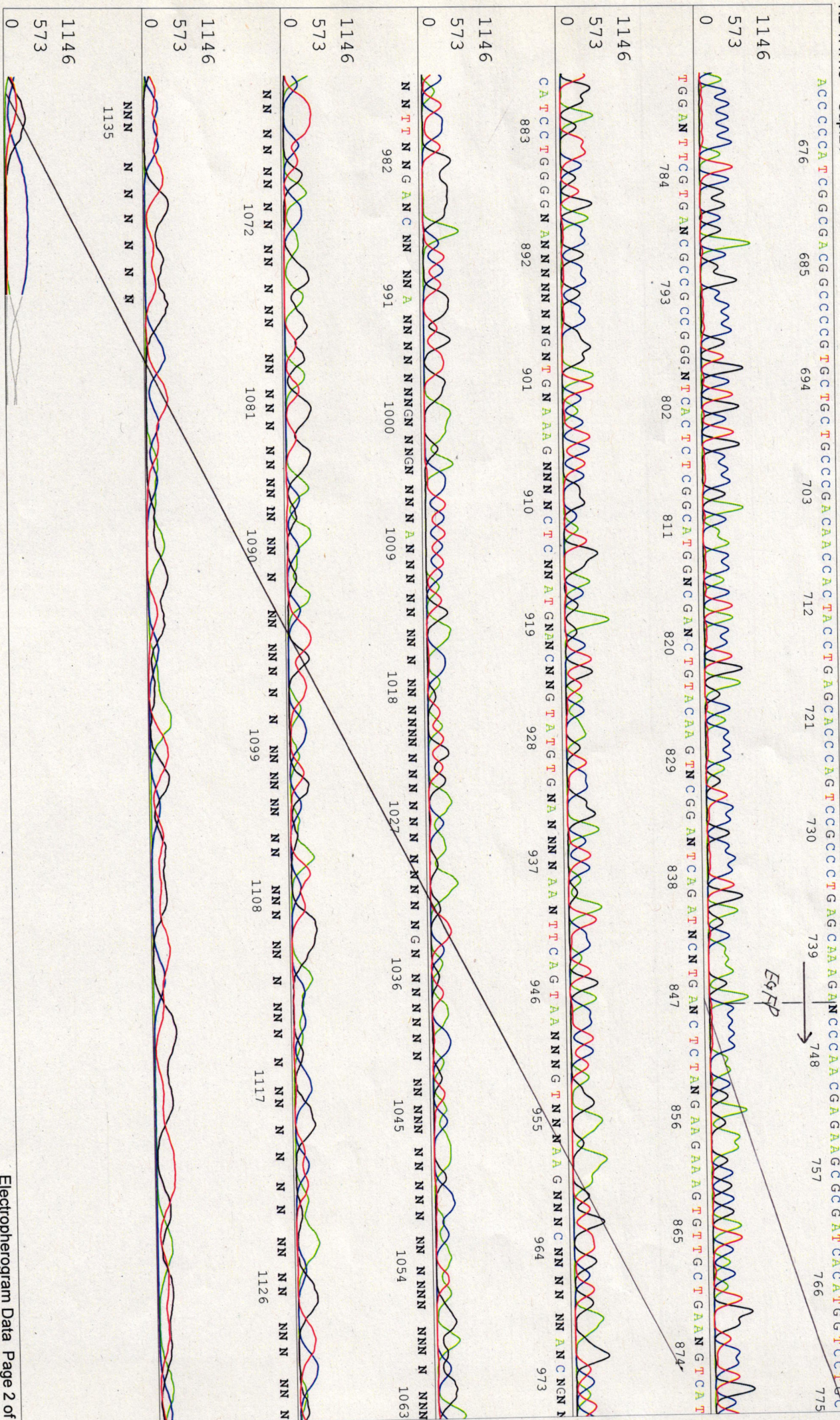
KB\_3500\_POP7\_BDTv3.mob

Pts 1336 to 12875 Pk1 Loc:1313

Version 6.0 HISQV Bases: 918

Jun 05, 2019 03:59PM, JST  
Jun 05, 2019 04:25PM, JST  
Spacing: 11.5 Pts/Panel1350  
Plate Name: 20190605 Kitaku

KB hcp KB 1.4.1.8 Cap:21

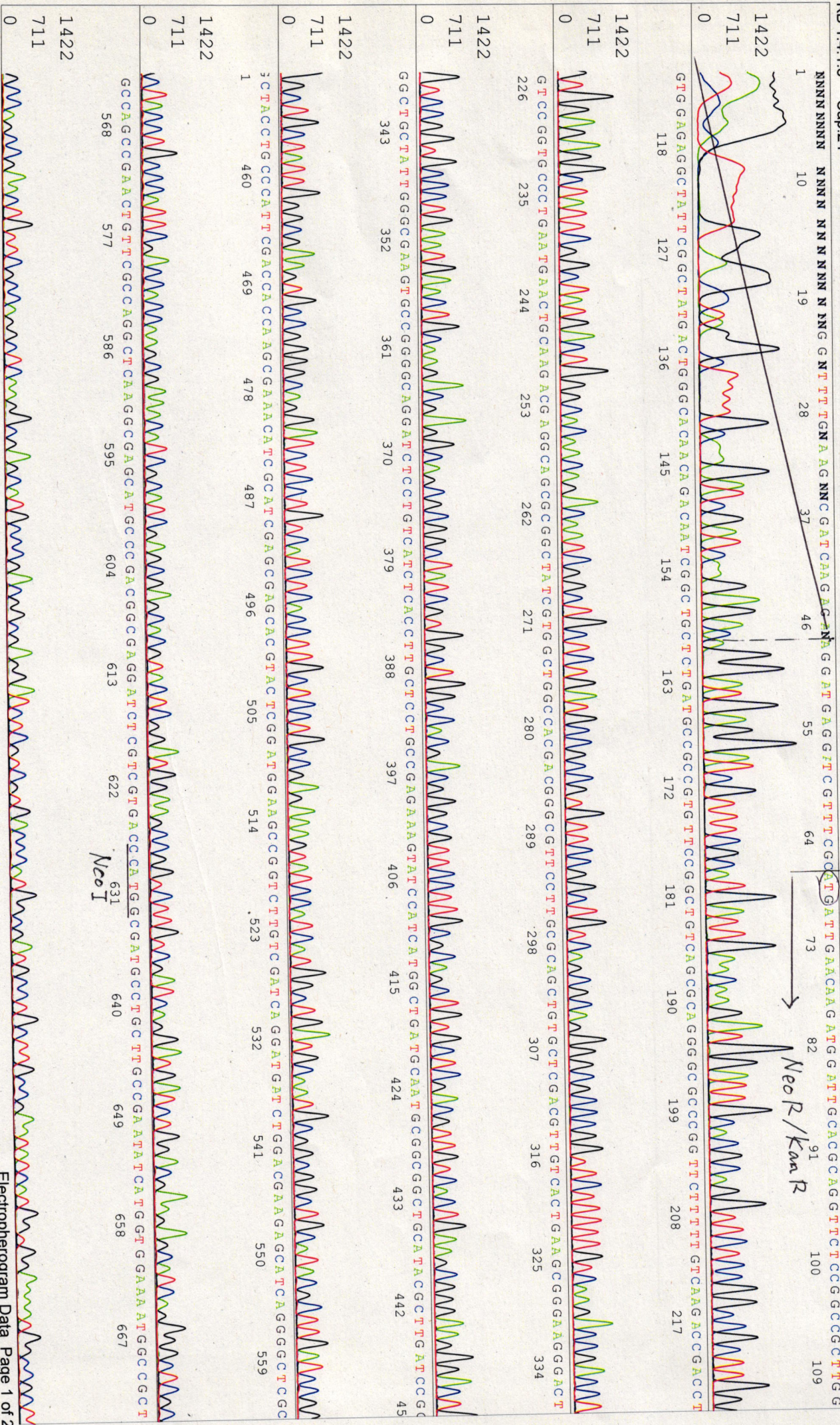


S/N G:92 A:61 T:58 C:84  
KB:bcp  
KB 1.4.1.8 Cap:24

primer name **D** : SV40pro\_F\_V2  
5- TCGGCCTCTGAGCTATTC-3'

KB\_3500\_POP7\_BDTv3.mob  
Pis 1338 to 13093 Pk1 Loc:1315  
Version 6.0 HISQV Bases: 950

Neo R / Kan R





S/N G:92 A:61 T:58 C:84

D06060F7\_A9A8\_3\_SV40pro\_F\_V2

Jun 05, 2019 03:59PM, JST

KB.bcp

KB\_3500\_POP7\_BDTV3.mob

Pls 1338 to 13093 Pk1 Loc:1315

Jun 05, 2019 04:25PM, JST

KB 1.4.1.8 Cap:24

Version 6.0 HISQV Bases: 950

Spacing: 11.54 Pls/Panel1350

Plate Name: 20190605 Kitaku

