

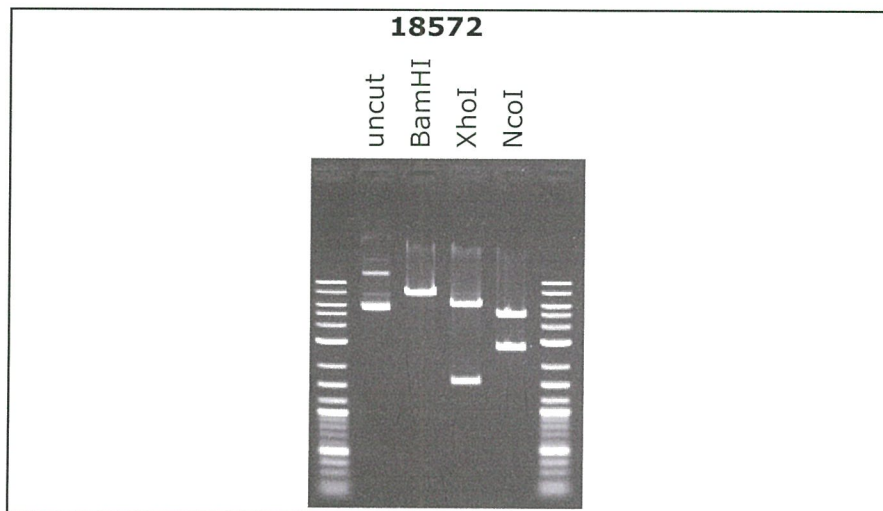
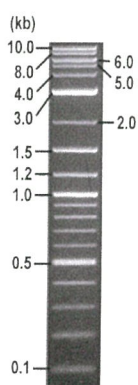


RIKEN DNA BANK

clone name : pSFL61 pRS316-GPDp-lfa38-mCherry-GFP11

- Clone ID : RDB_18572
- Lot : 18572_B0J5
- 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
BamHI	7.6 kbp
XhoI	6.0, 1.6 kbp
NcoI	4.9, 2.7 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	Pr0800	HB-NOS_R	T7 pro, insert 5' (GPD pro, lfa38 5')
Sequence - B	Pr0108	SV40pA3'Element Reverse	T3 pro, insert 3' (CYC1 ter)
Sequence - C	Pr0022	CYC1ter_R	insert mid (CYC1 ter, GFP11, mCherry)
Sequence - D	Pr0170	URA3pro_F	URA3 pro, URA3
Sequence - E	Pr0431	TDH3pro_F	insert mid (GPD pro, lfa38 5')
Sequence - F	Pr0897	lfa38-C_F	insert mid (lfa38 3', mCherry 5')
Sequence - G	Pr0008	Amp_R	AmpR pro, CEN_ARS
Sequence - H	-	-	-

APPROVED BY :



S/N G:357 A:286 T:274 C:245

primer name A : HB-NOS_R

D07393A6_B0J5_2-HB-NOS_R
KB_3500_POP7_BDTV3.mob

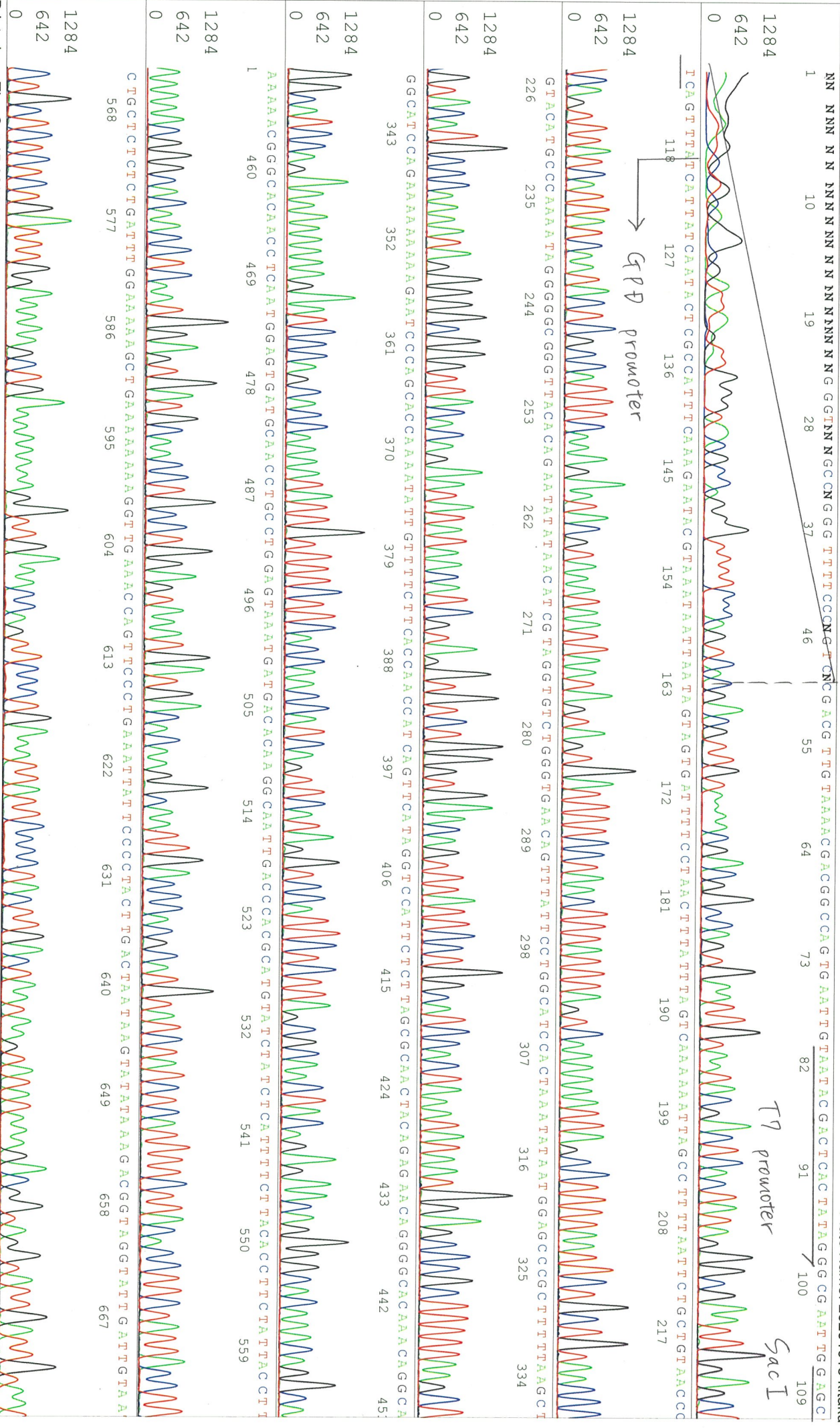
Oct 15, 2020 10:40AM, JST
Oct 15, 2020 11:08AM, JST

KB.bcp
KB 1.4.1.8 Cap:1

5'-TCTTCGCTATTACGCCAGCT-3'

Pts 1504 to 13223 PK1 Loc:1481
Version 6.0 HiSQV Bases: 947

Spacing:11.71 Pts/Panel1350
Plate Name: 20201015 kitaku



S/N G:357 A:286 T:274 C:245

KB.bcp

KB 1.4.1.8 Cap:1

D07393A6_B0J5_2-HB-NOS_R_A04_01_AB124

D07393A6_B0J5_2-HB-NOS_R

KB_3500_POP7_BDTV3.mob

Pts 1504 to 13223 Pk1 Loc:1481

Version 6.0 HiSQV Bases: 947

Inst Model/Name 3500/3500 Instrument

Oct 15, 2020 10:40AM, JST

Oct 15, 2020 11:08AM, JST

Spacing: 11.71 Pts/Panel1350

Plate Name: 20201015 Kitaku

I T C T G T A A A T C T A T T T C T T A A A C T T C T T A A A T T C T A C T T T T A T A G T T A G T T C T T T T T T A G T T T T A A A C A C C A G A A C T T A G T T T C G A C G G A T G C G C C G C T C T A G A A
676 685 694 703 712 721 730 739 748 757 766 775

GFP promoter → NotI XbaI

C T A G T G G A T C C C A T G A C T T T A C T T T A T G C A A C A G C C T T C N A G A N G C T G G G G N N A G A N T T A G G T G T A T C A A T G G T C T T T A T G G T T G T T T T G G G C T T G G T C T T A A
784 793 802 811 820 829 838 847 856 865 874 883

SpeI BamHI → I f a 98 →

A A T G T A C C A A C G N T A T C A C T T A N A T T T T A N C T C T T A T T T T T G A T C T T T T T T A C T A N N A N C A N N C N A N T T N C N A N N N N A T N G N G N N N A A C N N G N N
892 901 910 919 928 937 946 955 964 973 982

A A A T A C N G N G C N A T C N N N G N N G N
991 1000 1009 1018 1027 1036 1045 1054 1063

I N
1072 1081 1090 1099 1108 1117 1126

N
1135

0 642 1284

S/N:G:53 A:48 T:54 C:61

D07393A6_B0J5_2_SV40pA3ElementReverse

Oct 13, 2020 03:07PM, JST

KB:bop

primer name β : SV40pA3Element Reverse

KB_3500_POP7_BDTV3.mob

Oct 13, 2020 03:49PM, JST

KB 1.4:1.8 Cap:2

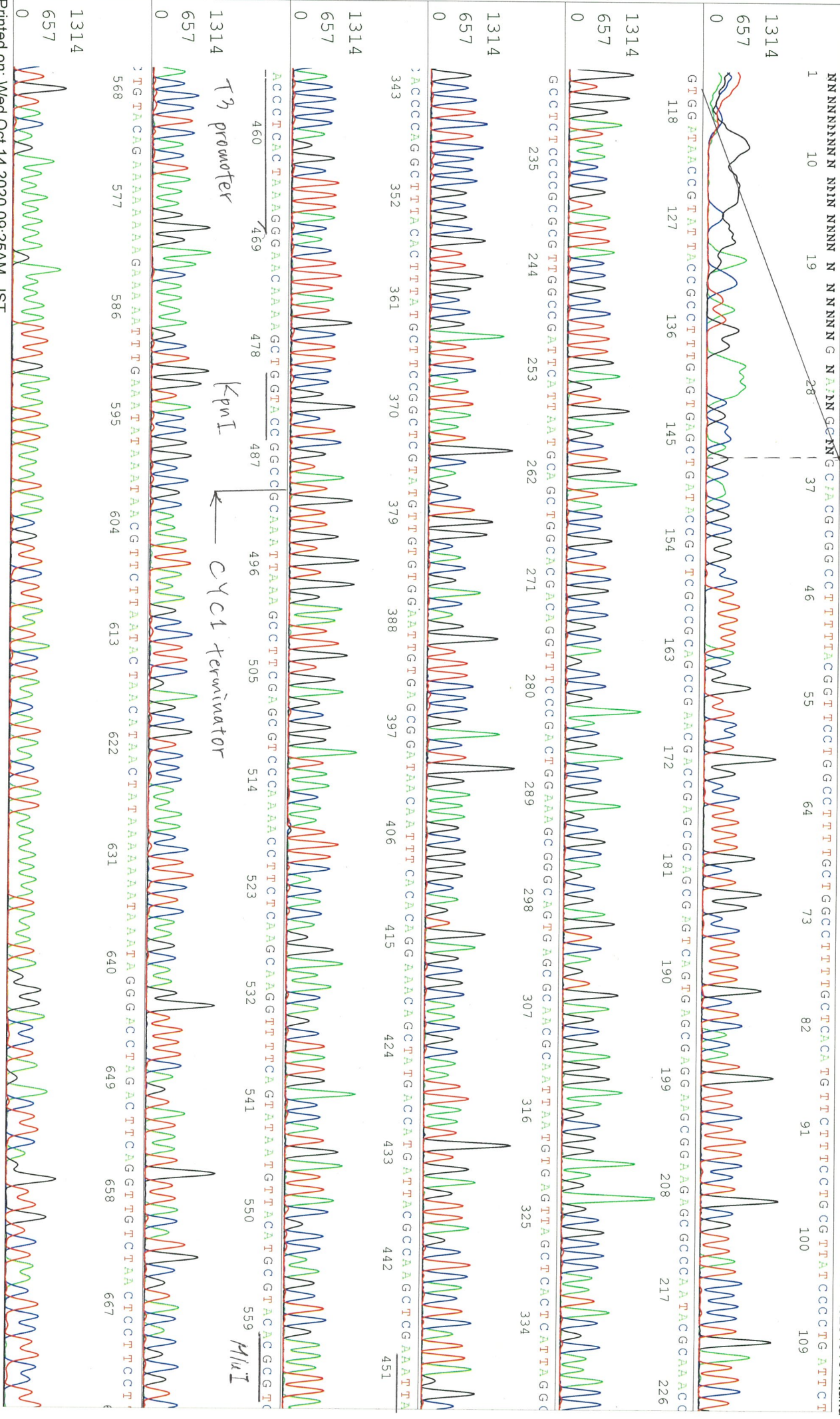
5'-CTCTGACTTGAGCGTCGATTT-3'

Pts 1454 to 12287 PK1 Loc:1431

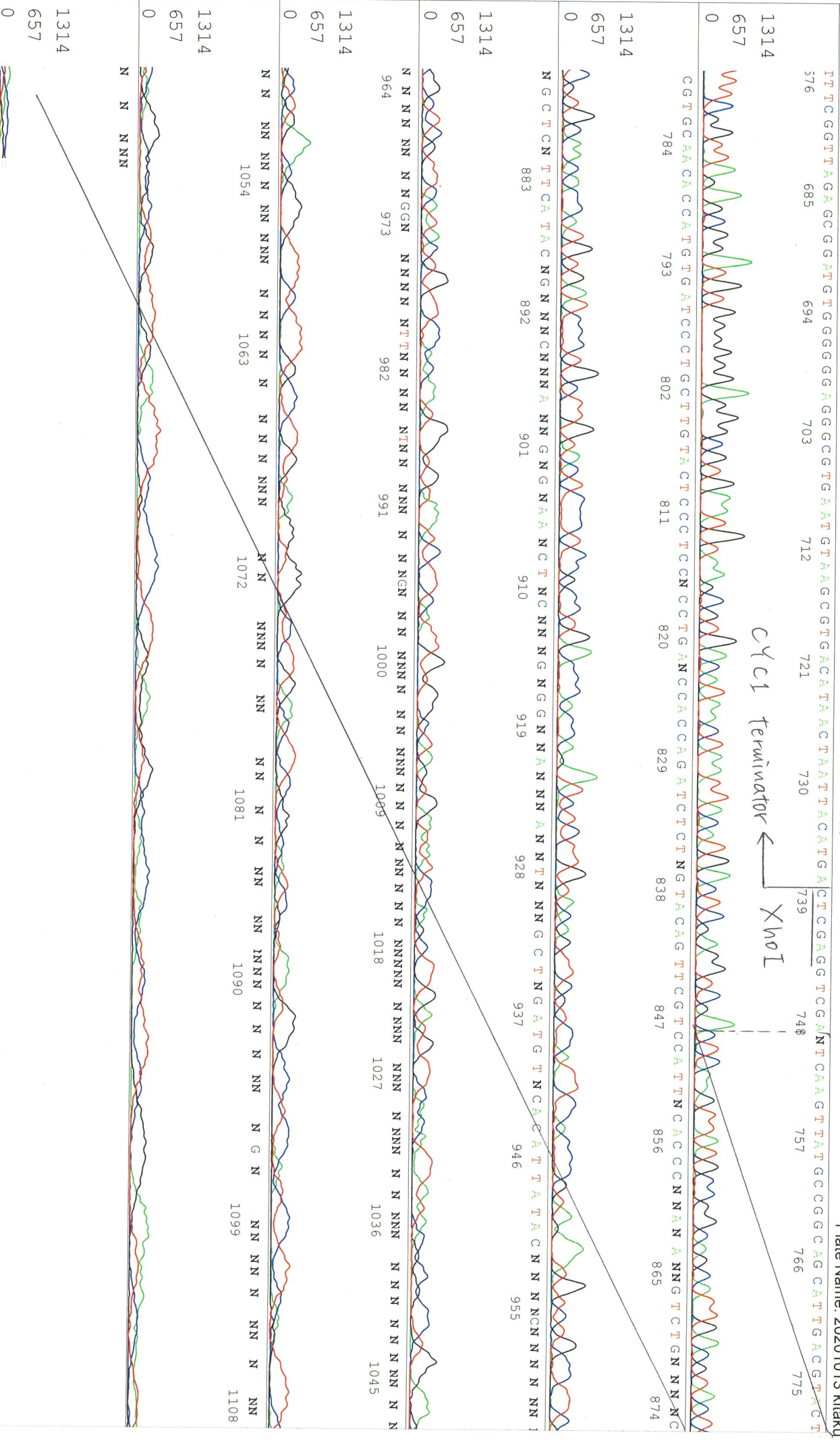
Spacing:11.18 Pts/Panel1350

Version 6.0 HISQV Bases: 893

Plate Name: 20201013 kitaku



S/N G:53 A:48 T:54 C:61
KB.bcp
KB 1.4.1.8 Cap.2



SN/G:198 A:144 T:170 C:171

primer name C : CYC1ter_R

D07393A6_B0J5_2-CYC1Ter_R

Oct 15,2020 10:40AM, JST

KB.bcp

5'-AATAGGACCTAGACTTCAG-3'

KB_3500_POP7_BDTV3.mob

Oct 15,2020 11:08AM, JST

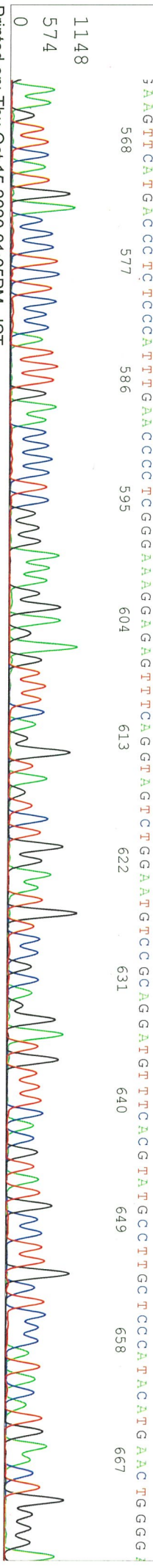
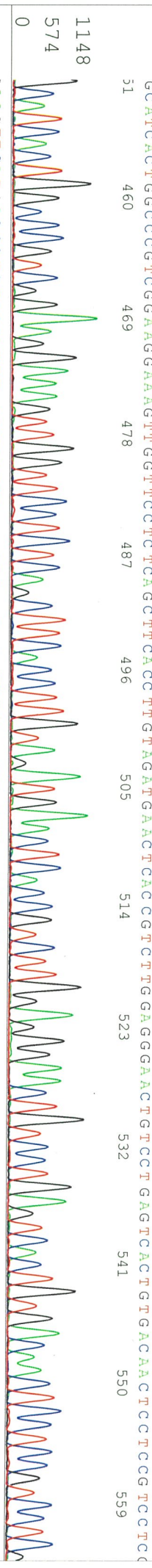
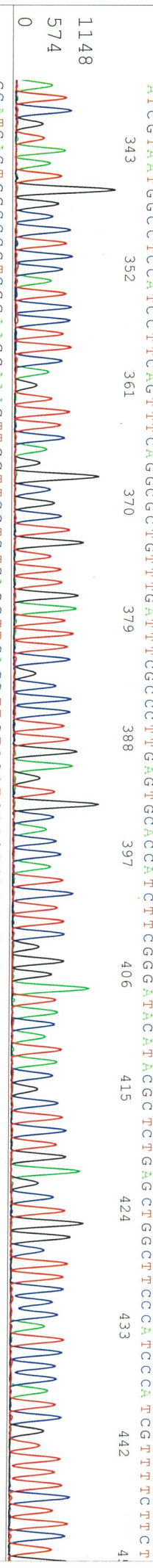
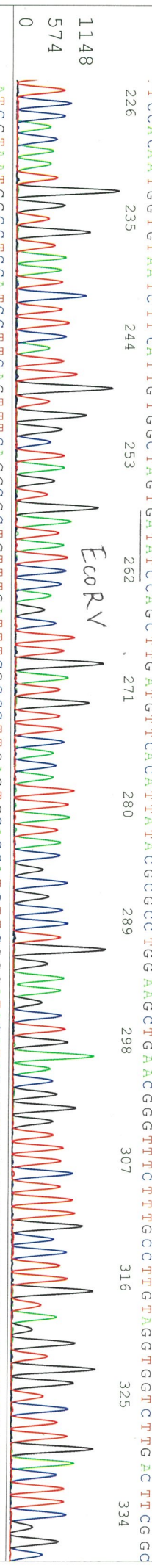
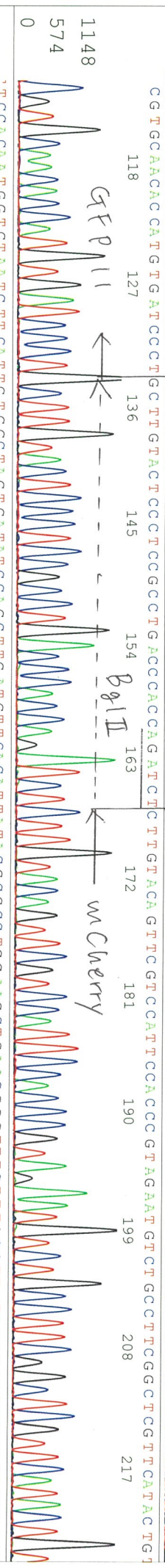
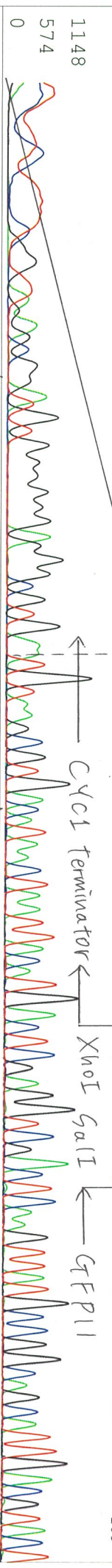
KB 1.4.1.8 Cap:7

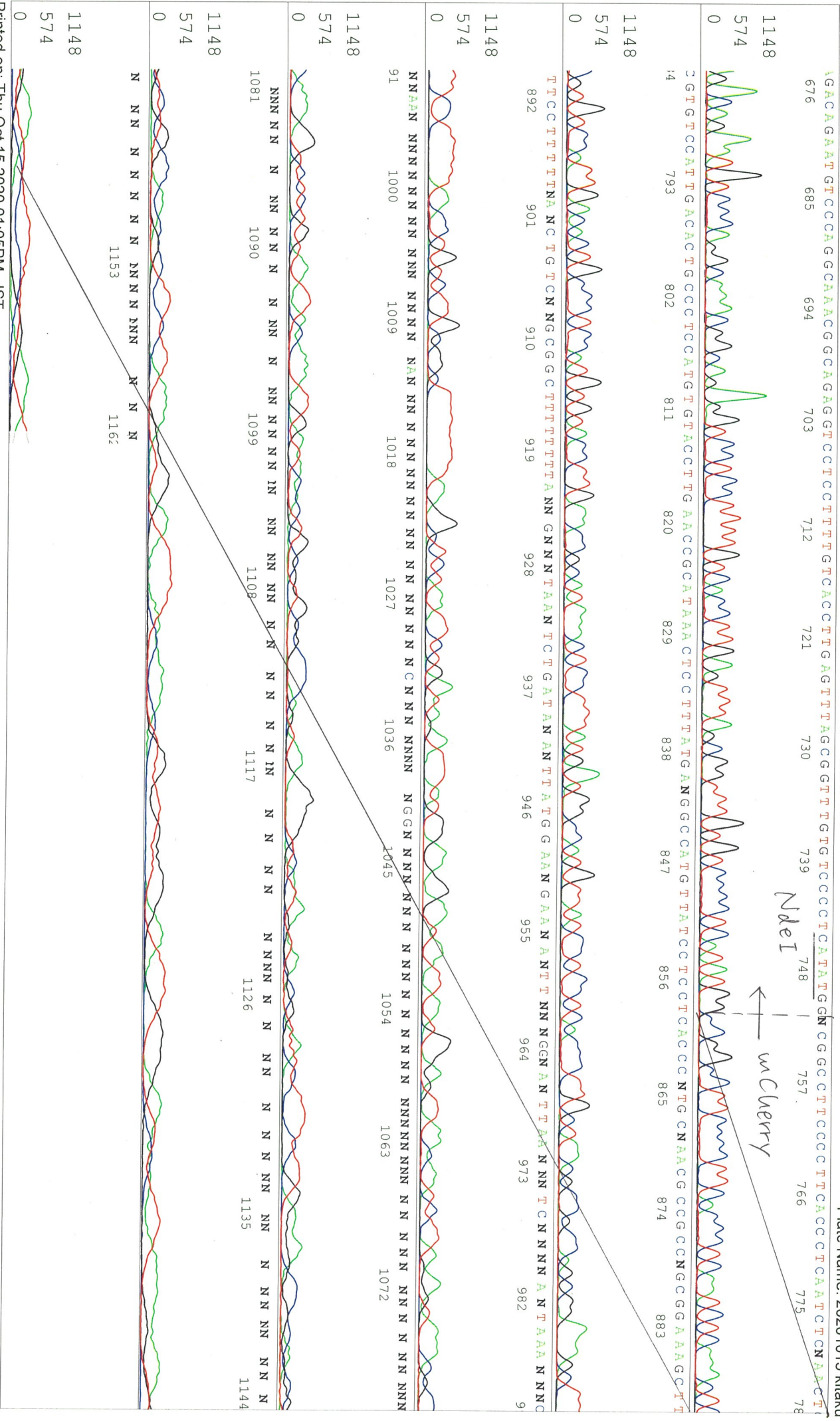
5'-AATAGGACCTAGACTTCAG-3'

Pis 1450 to 13233 Pk1 Loc:1427

Spacing:11.77 Pts/Panel1350

1 NNN NN NNNNNNNN NNNNNN GGN GGGGGNN GGGGTG NNTGTAAGCCGTGACATAACTAATTACTGACTTCGAGTTCGACTTCAAATTATTGCCGGCAGCATTCGACT



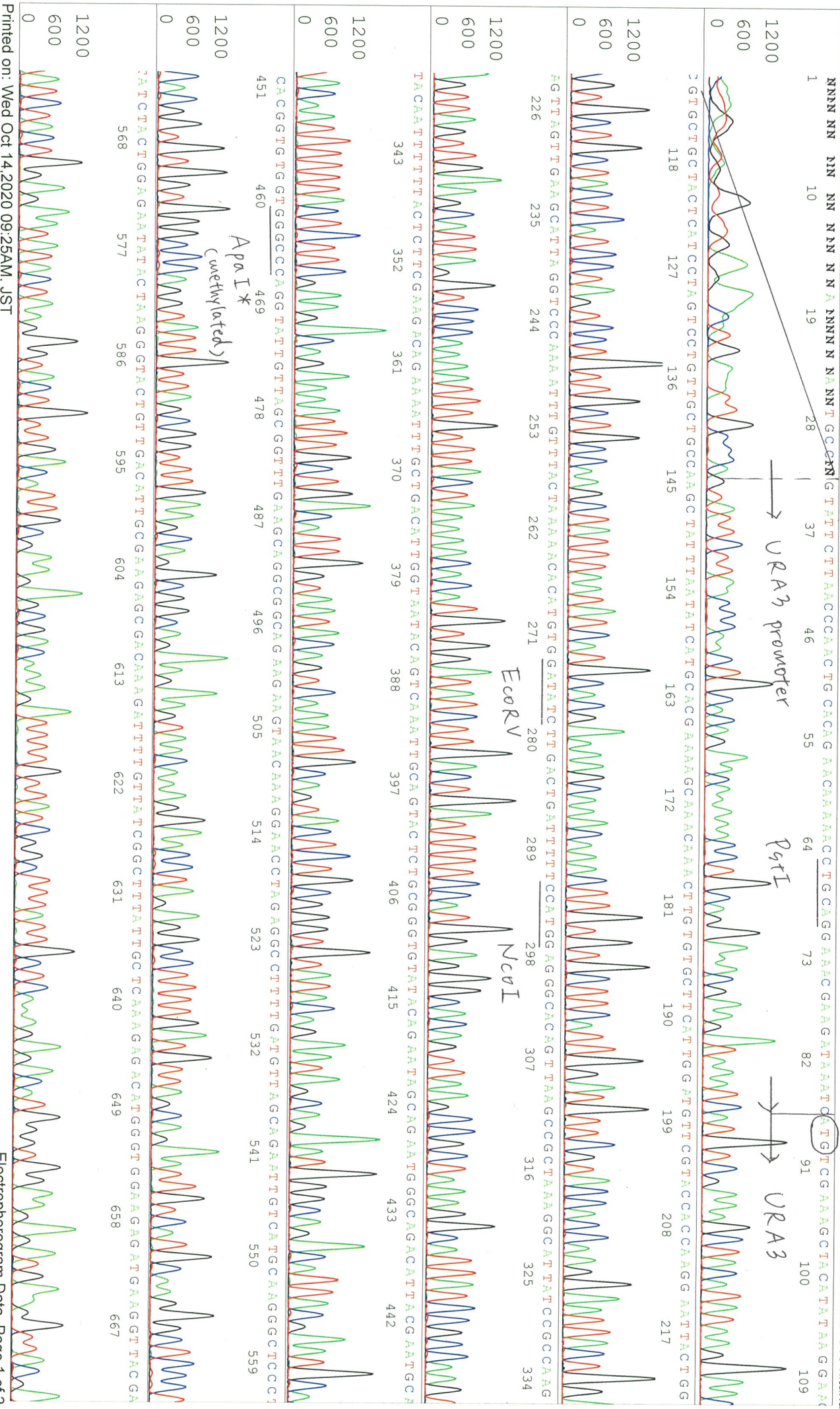


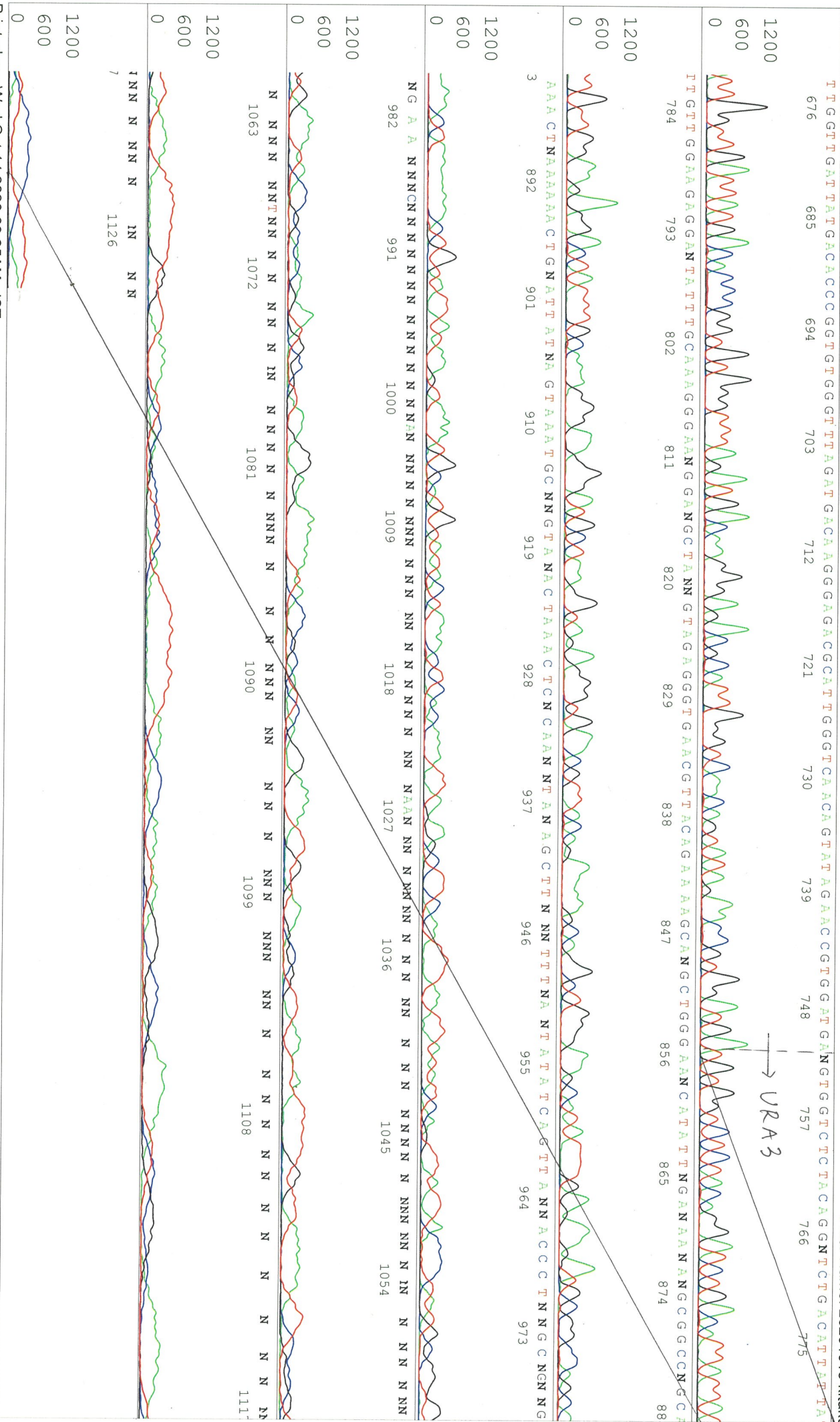
S/N G:78 A:84 T:86 C:67
KB.bcp
KB 1.4.1.8 Cap.3

primer name ϕ : URA3pro_F
5'-AAGGAGCACAGACTTAGATTGG-3'

D07393A6_B0J5_2_URA3pro_F
KB_3500_POP7_BDTv3.mob
Pis 1426 to 12472 PK1 Loc:1403
Version 6.0 HISQV Bases: 935

Oct 13, 2020 03:07PM, JST
Oct 13, 2020 03:49PM, JST
Spacing: 11.2 Pis/Panel1350
Plate Name: 20201013 Kitaku





S/N G:115 A:134 T:153 C:125

primer name E : TDH3pro_F

D07393A6_B0J5_2_TDH3pro_F
KB_3500_POP7_BDTV3.mob

Oct 13, 2020 03:07PM, JST
Oct 13, 2020 03:49PM, JST

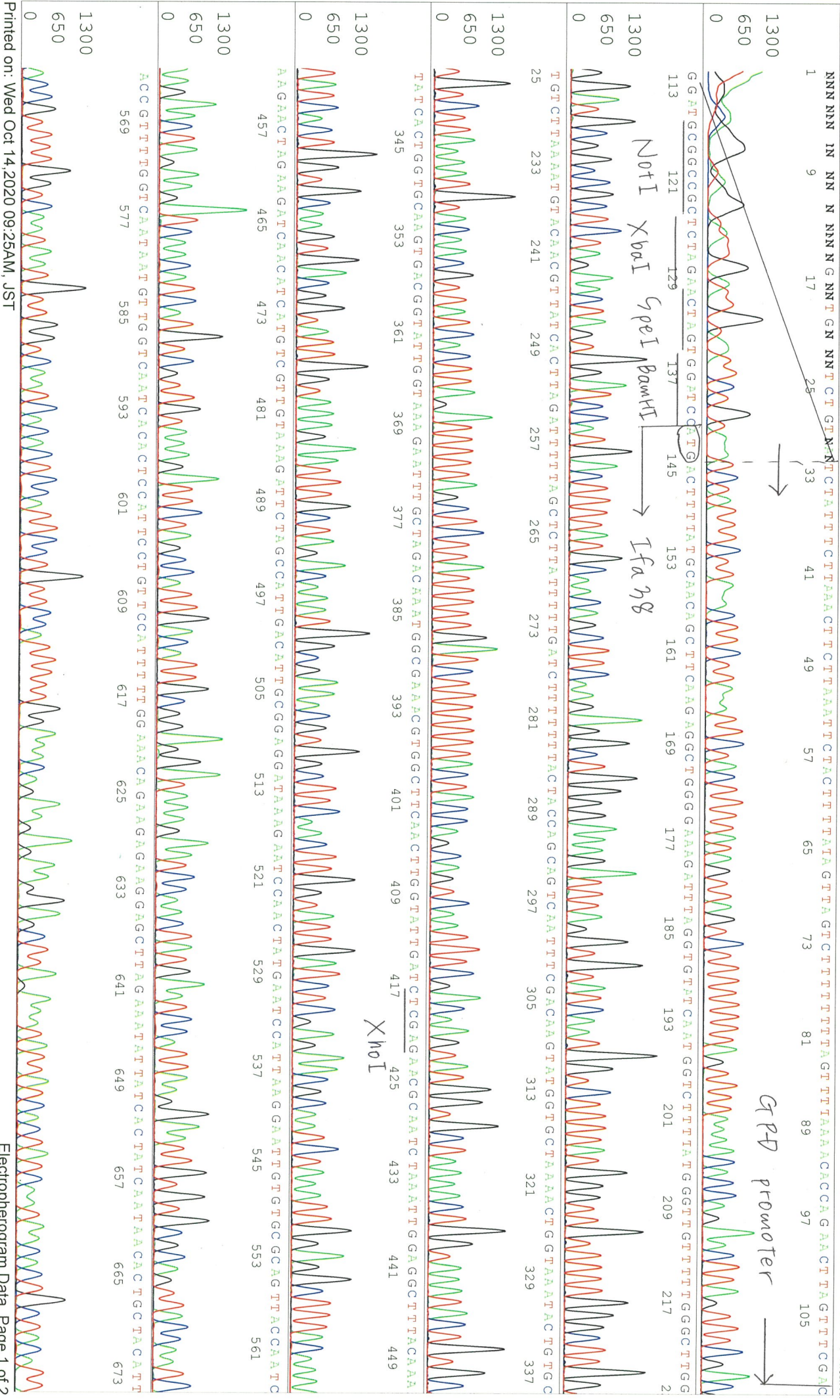
KB.bpp

KB 1.4.1.8 Cap:5

5'-AAATTATTCCCTACTTGAC-3'

Pts 1425 to 12564 PK1 Loc:1402
Version 6.0 HISQV Bases: 922

Spacing: 11.35 Pts/Panel1350
Plate Name: 20201013 Kitaku



S/N G:115 A:134 T:153 C:125

D07393A6_B0J5_2_TDH3pro_F

KB_3500_POP7_BDTV3.mob

Pts 1425 to 12564 Pk1 Loc:1402

Version 6.0 HISQV Bases: 922

KB.bcp

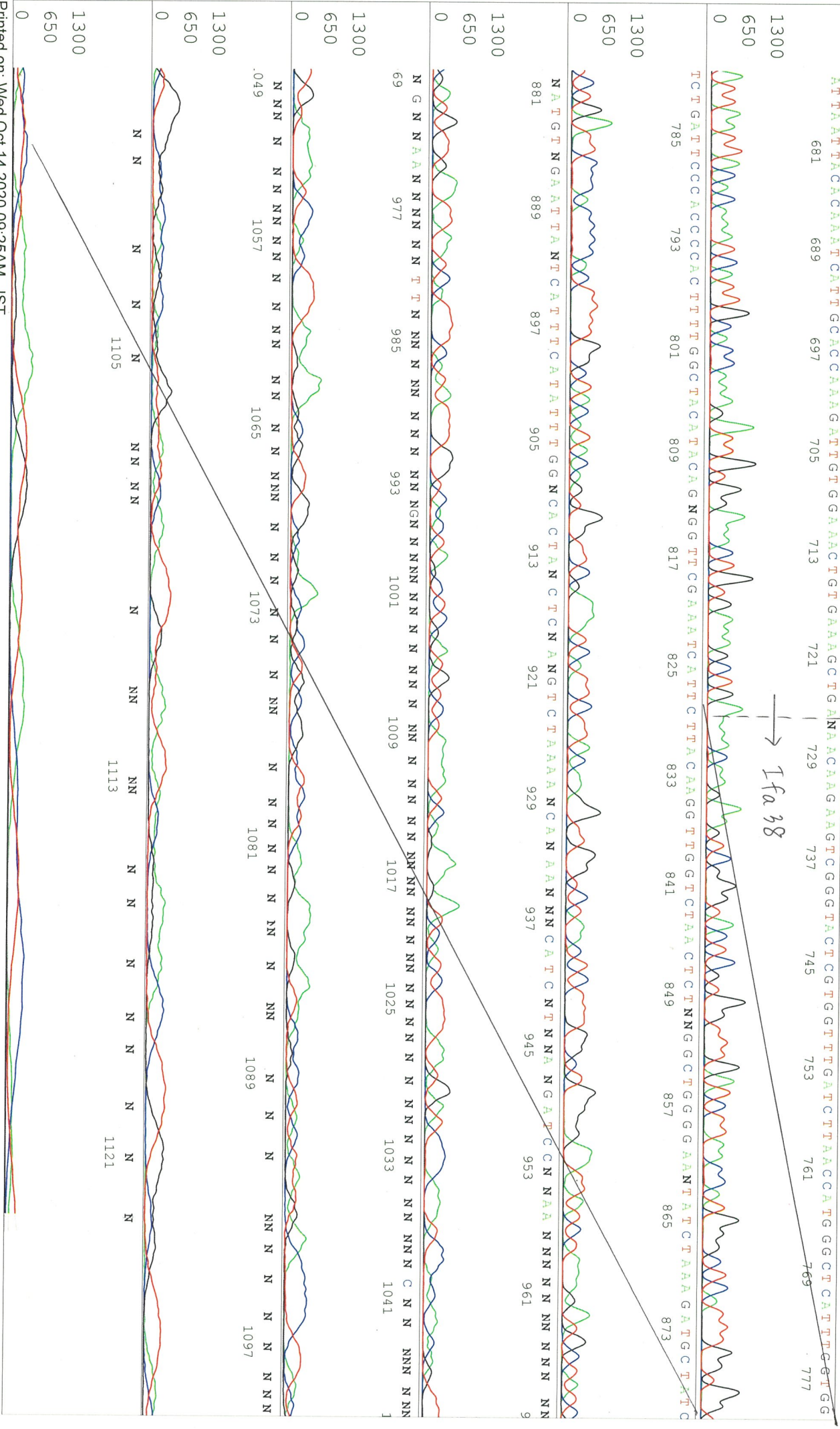
KB 1.4.1.8 Cap:5

Oct 13, 2020 03:07PM, JST

Oct 13, 2020 03:49PM, JST

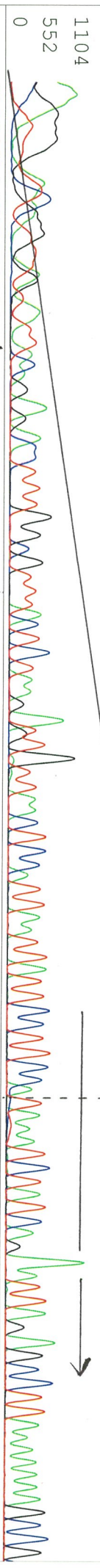
Spacing: 11.35 Pts/Panel1350

Plate Name: 20201013 Kitaku



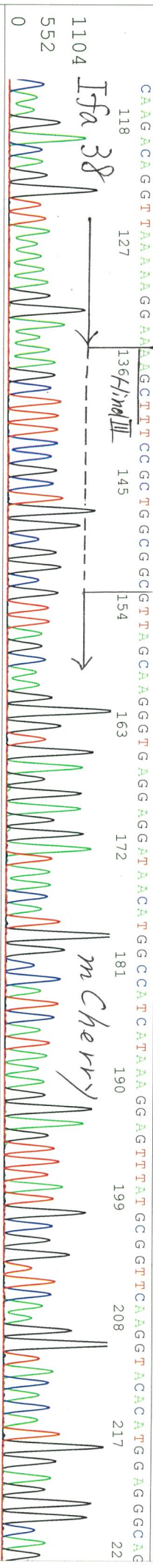
S/N G:115 A:128 T:109 C:106 primer name F : Ifa38_C-F
KB:bcop KB_3500_POP7_BDTV3.mob Pts 1479 to 12541 Pk1 Loc:1456
KB 1.4.1.8 Cap:2 5- TACGCTACTATGACCCCTTACTGG -3' Version 6.0 HISQV Bases: 926

1 NNNNNNN NNNNNNN NNNNNNN G NN NCT T T G CCGCTTANN TCTTAAG #INTGTNAACT C CNTTAAATTTATTCCTTCCTTCCNTTAAATCTATCAAG AATTAGAGCCCTTAAAAAGCCCG

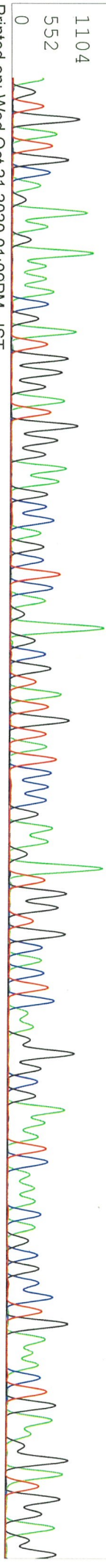
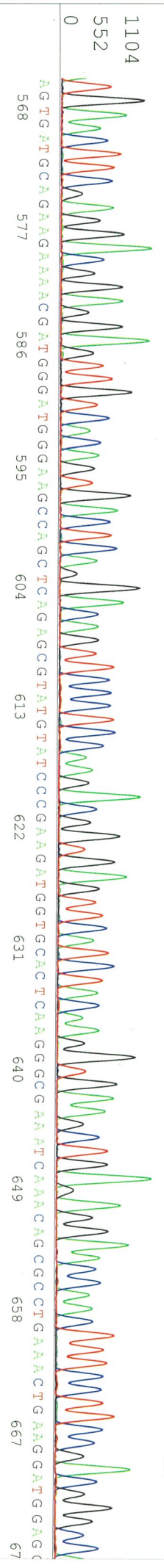
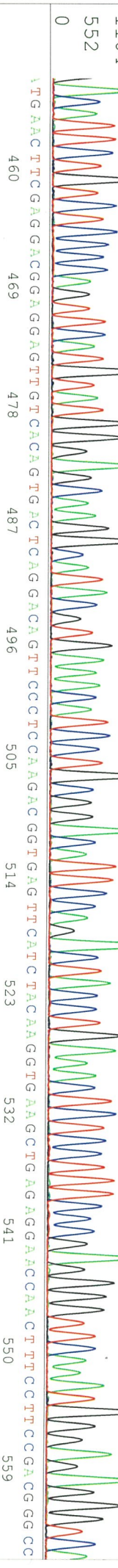
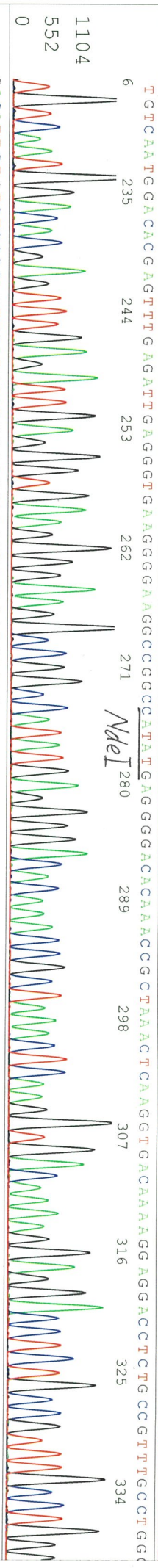


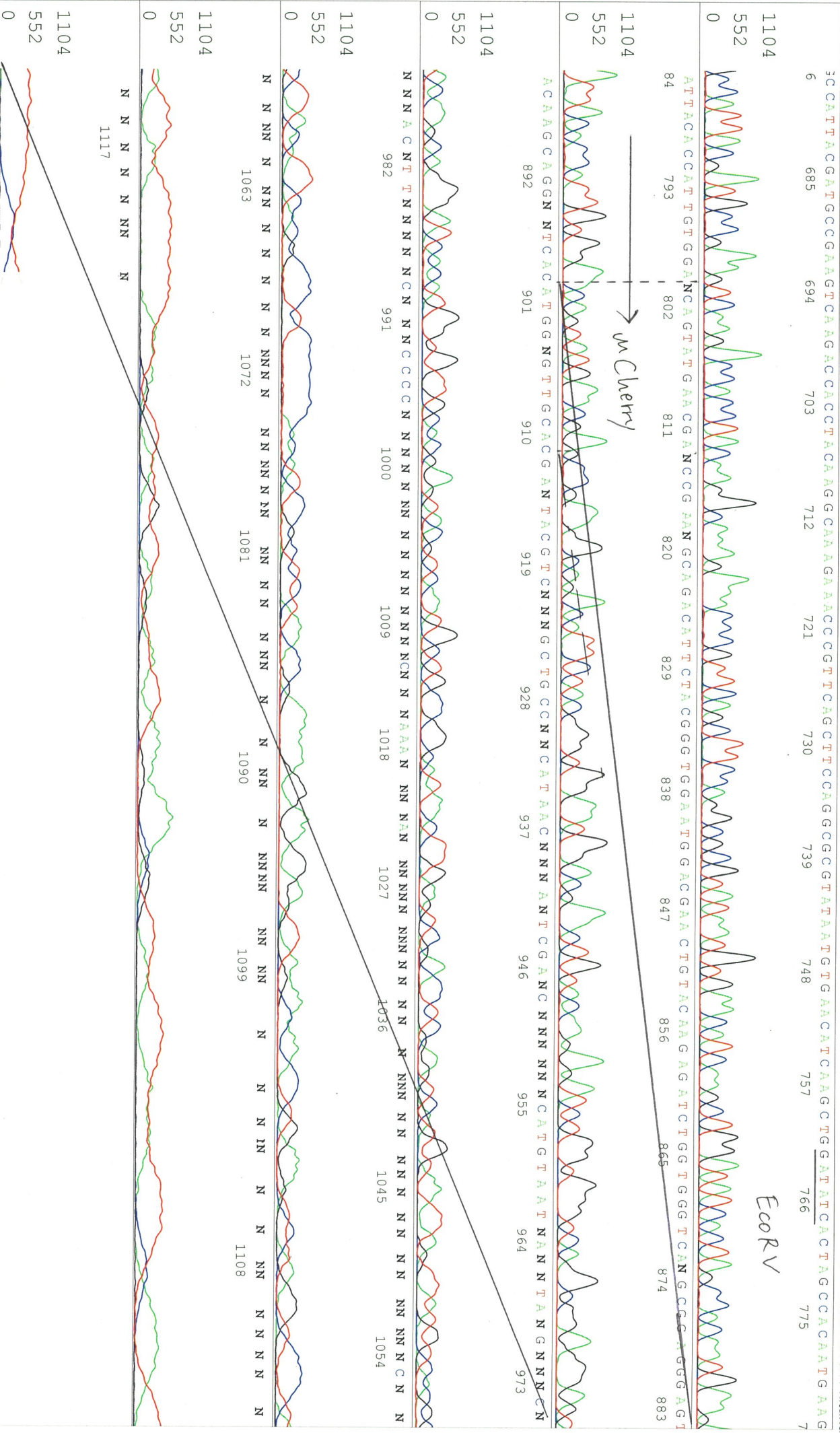
Ifa 38

mCherry



NdeI



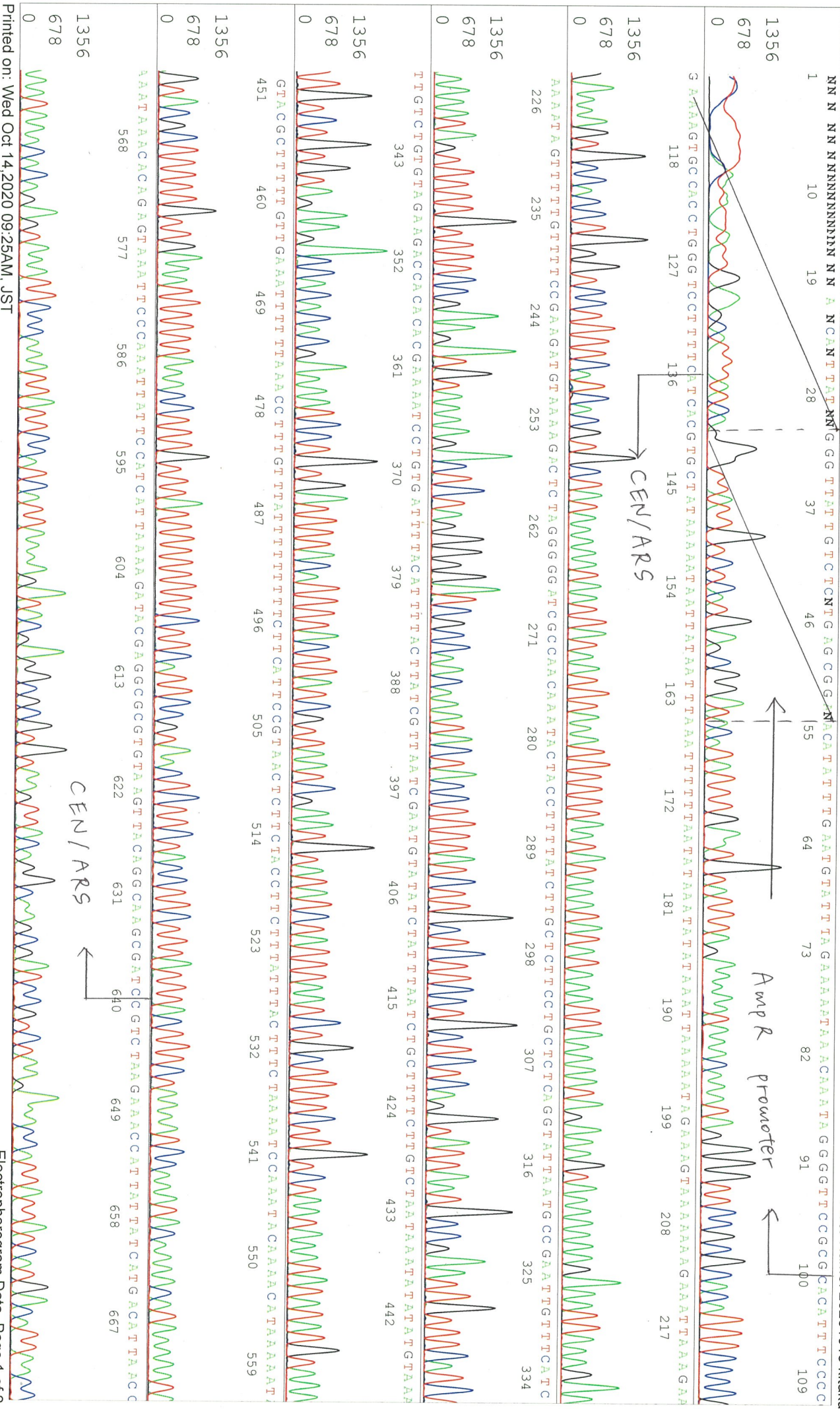


S/N G:46 A:58 T:67 C:56
 KB.bcp
 KB 1.4.1.8 Cap:8

primer name **Q** : Amp_R
 5'-GCGACACGGAAATGTTGAATA-3'

D07393A6_B0J5_2_Amp_R
 KB_3500_POP7_BDTV3.mob
 Pts 1433 to 12612 Pk1 Loc:1410
 Version 6.0 HISQV Bases: 917

Oct 13, 2020 03:07PM, JST
 Oct 13, 2020 03:49PM, JST
 Spacing: 11.25 Pts/Panel1350
 Plate Name: 20201013 Kitaku



S/N G:46 A:58 T:67 C:56

D07393A6_B0J5_2_Amp_R

KB_3500_POP7_BDTV3.mob

Pts 1433 to 12612 PK1 Loc:1410

Version 6.0 HISQV Bases: 917

Oct 13, 2020 03:07PM, JST

Oct 13, 2020 03:49PM, JST

Spacing: 11.25 Pts/Panel 1350

Plate Name: 20201013 Kitaku

KB.bcp

KB 1.4.1.8 Cap:8

