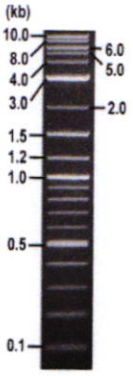
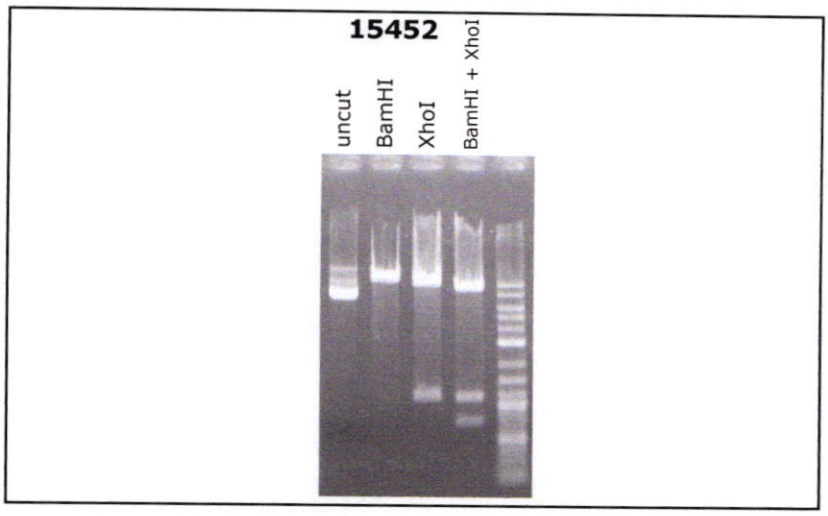
Gene Engineering Division
RIKEN BioResource Research Center

RIKEN DNA BANK clone name : tFucci(CA)2/pCSII-CMV

- **Clone ID** : RDB _ 15452
- **Lot** : 15452 _ A7Jv
- **DNA Concentration** : 25 nanogram/microliter
- **Volume** : 40 microliter
- **Form** : DNA solution in TE buffer
- **Host** : NEB stable
- **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	:	**10.8**	kbp
XhoI	:	**9.6, 1.1**	kbp
BamHI + XhoI	:	**8.9, 1.1, 0.7**	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	Pr0674	mRFP-M_R	insert 5'(tFucci(CA)2 5',CMV2)
Sequence - B	Pr0250	PRE_rev	PRE,insert 3'(tFucci(CA)2 3')
Sequence - C	Pr0453	mCherry-C_F	insert mid (tFucci(CA)2 mid)
Sequence - D	Pr0673	HIV-B_R	HIV- psi,5'LTR,CMV1
Sequence - E	Pr0132	HIVgp_R1	HIV- psi,5'LTR
Sequence - F	Pr 725	PPT/CTS-E_R	cTTP_CTS
Sequence - G	Pr0021	CSII-CMV5'	insert mid(tFucci(CA)2 mid)
Sequence - H	Pr 1232	EGFP-B_R2	insert mid (tFucci(CA)2 mid)
Sequence - I	Pr0885	bGH_rev3	3'LTR,PRE
Sequence - J	Pr0110	SV40pro_F	EM7 pro,Zeo,SV40 pA

APPROVED BY :

確認 22.10.17 岸川

Applied Biosystems

S/N G:46 A:36 T:31 C:36
KB.bcp
KB 1.4.1.8 Cap:8

primer name A : mRFP-M_R
5' GAAGGACAGCTTCAAGTAGTCG 3'

15452_15452_B2G7F_1_mRFP-M_R_H01_08_ABI08
15452_15452_B2G7F_1_mRFP-M_R
KB_3500_POP7_BDTv3.mob
Pts 1347 to 13863 Pk1 Loc:1324
Version 6.0 HiSQV Bases: 987

Inst Model/Name 3500/3500 Instrument
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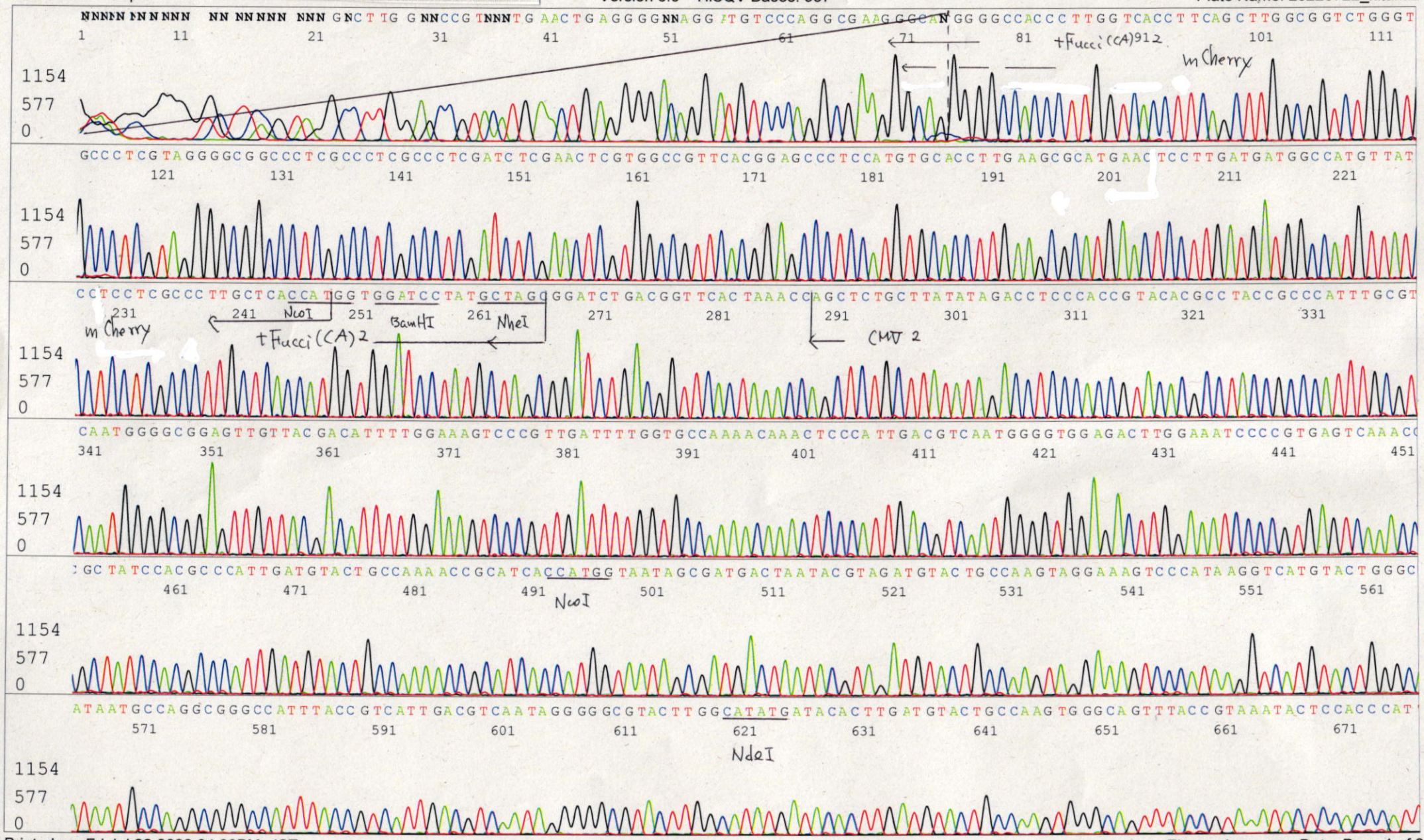
Jul 22,2022 02:22PM, JST
Spacing:12.43 Pts/Panel1350
Plate Name: 20220722_kitaku2



Applied Biosystems

S/N G:46 A:36 T:31 C:36
KB.bcp
KB 1.4.1.8 Cap:8

15452_15452_B2G7F_1_mRFP-M_R_H01_08_ABI08
15452_15452_B2G7F_1_mRFP-M_R
KB_3500_POP7_BDTv3.mob
Pts 1347 to 13863 Pk1 Loc:1324
Version 6.0 HiSQV Bases: 987

Inst Model/Name 3500/3500 Instrument
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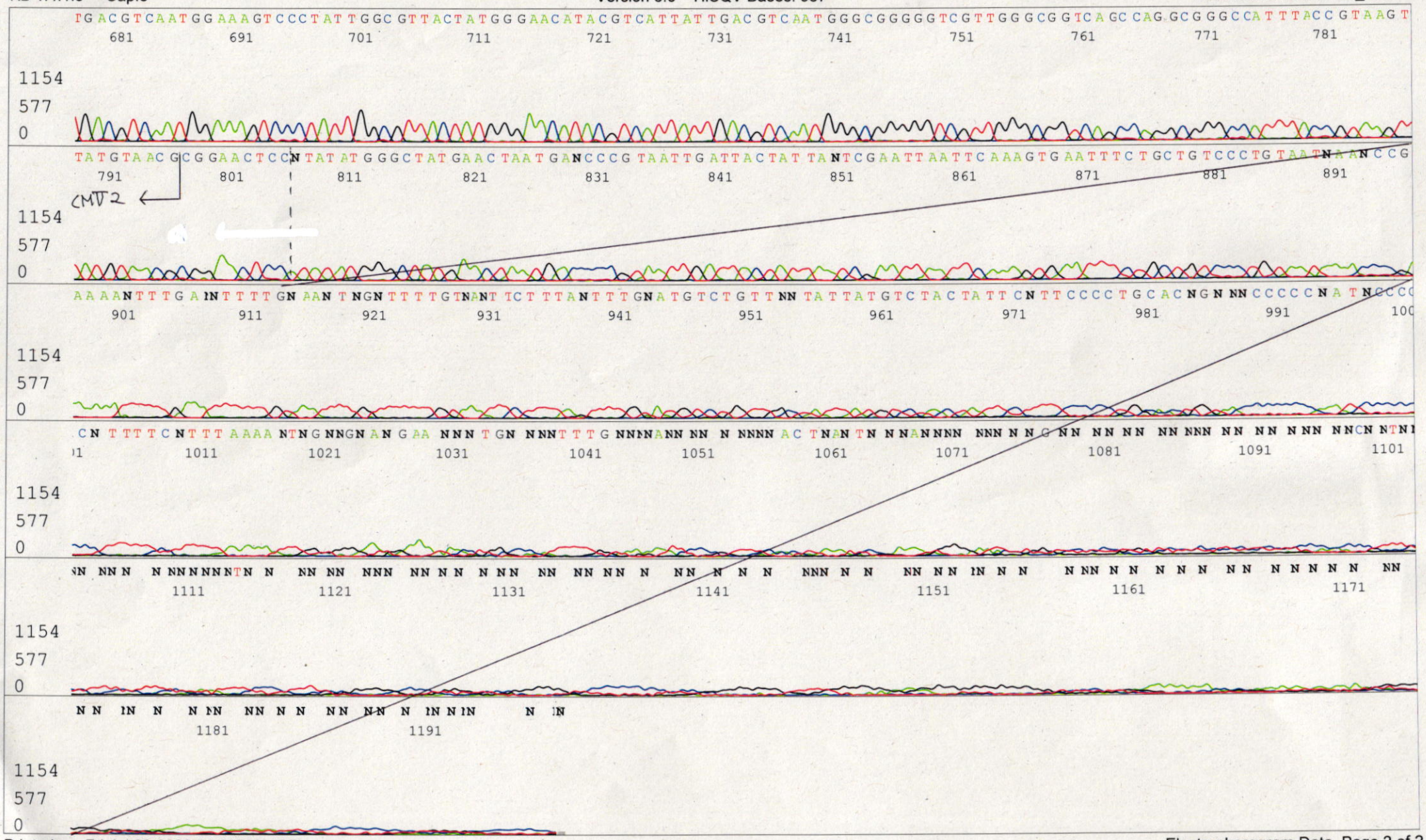
Jul 22,2022 02:22PM, JST
Spacing:12.43 Pts/Panel1350
Plate Name: 20220722_kitaku2



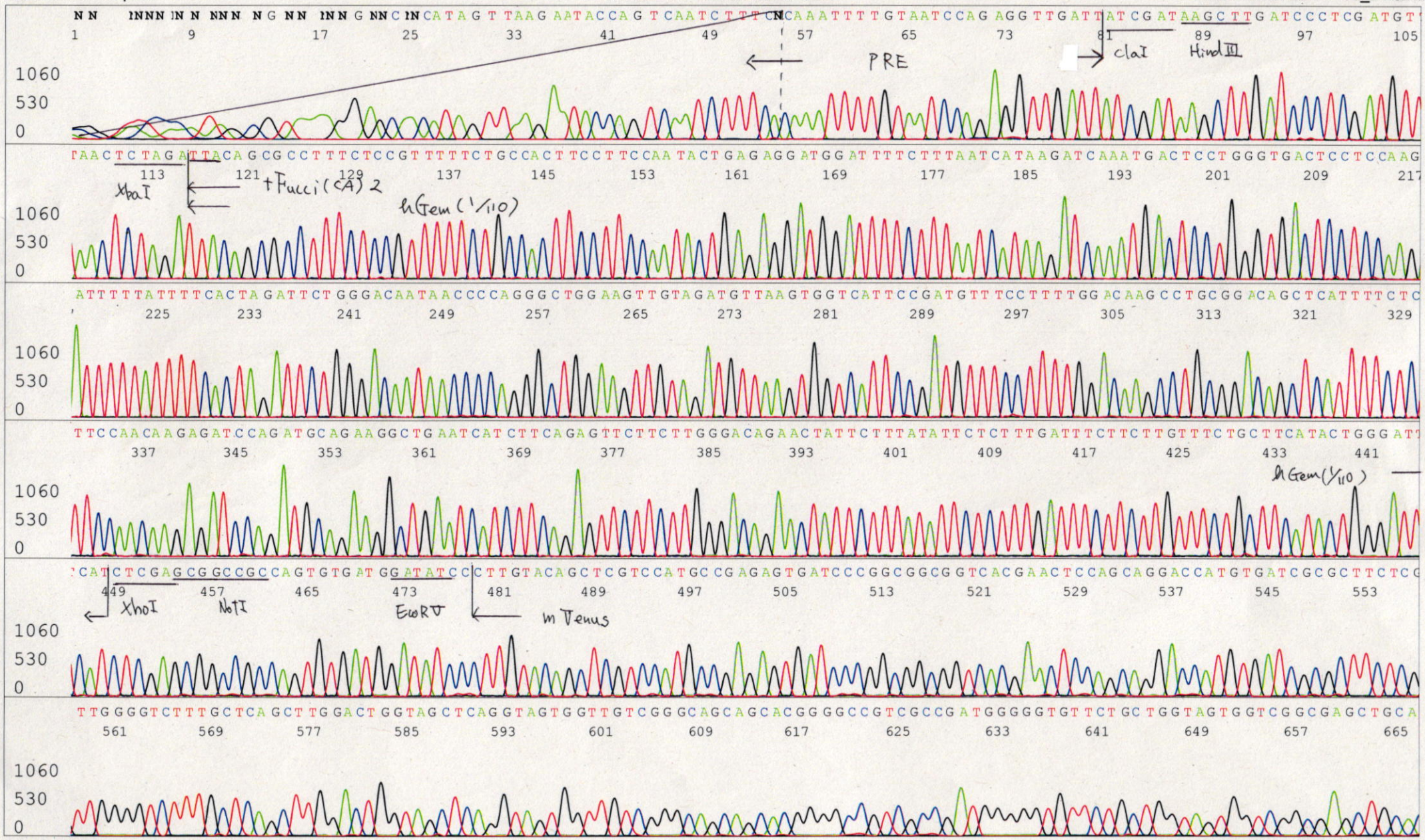
Applied Biosystems

S/N G:189 A:237 T:290 C:300
KB.bcp
KB 1.4.1.8 Cap:15

primer name B : PRE_rev
5'-AGCAATAGCATGATACAAAGGC-3'

D05018B3_1_A7Jv_PRE_rev_E12_15_ABI24
D05018B3_1_A7Jv_PRE_rev
KB_3500_POP7_BDTv3.mob
Pts 1607 to 13161 Pk1 Loc:1584
Version 6.0 HiSQV Bases: 821

Inst Model/Name 3500/3500 Instrument
Nov 06,2017 03:15PM, JST
Nov 06,2017 03:56PM, JST
Spacing:11.61 Pts/Panel1350
Plate Name: 20171106_2 kitaku



Applied Biosystems

S/N G:189 A:237 T:290 C:300
KB.bcp
KB 1.4.1.8 Cap:15

D05018B3_1_A7Jv_PRE_rev_E12_15_ABI24
D05018B3_1_A7Jv_PRE_rev
KB_3500_POP7_BDTv3.mob
Pts 1607 to 13161 Pk1 Loc:1584
Version 6.0 HiSQV Bases: 821

Inst Model/Name 3500/3500 Instrument
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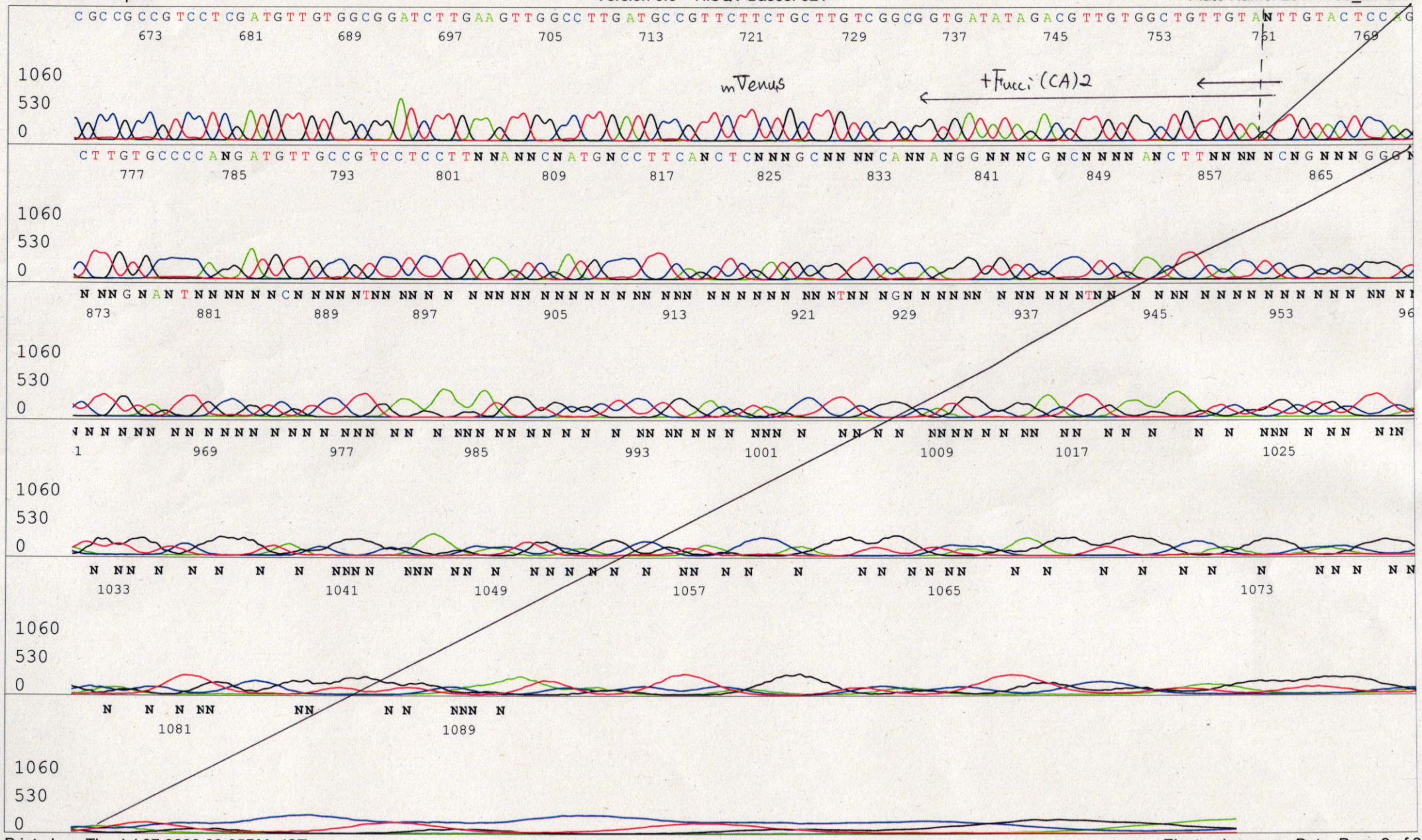
Spacing:11.61 Pts/Panel1350
Plate Name: 20171106_2 kitaku



Applied Biosystems

S/N G:61 A:67 T:48 C:111
KB.bcp
KB 1.4.1.8 Cap:7

primer name : mCherry-C_F
5'- ACTACGACGCTGAGGTCAAG -3'

D05018B3_1_A7Jv_mCherry-C_F_G03_07_ABI08
D05018B3_1_A7Jv_mCherry-C_F
KB_3500_POP7_BDTv3.mob
Pts 1480 to 12356 Pk1 Loc:1457
Version 6.0 HiSQV Bases: 900

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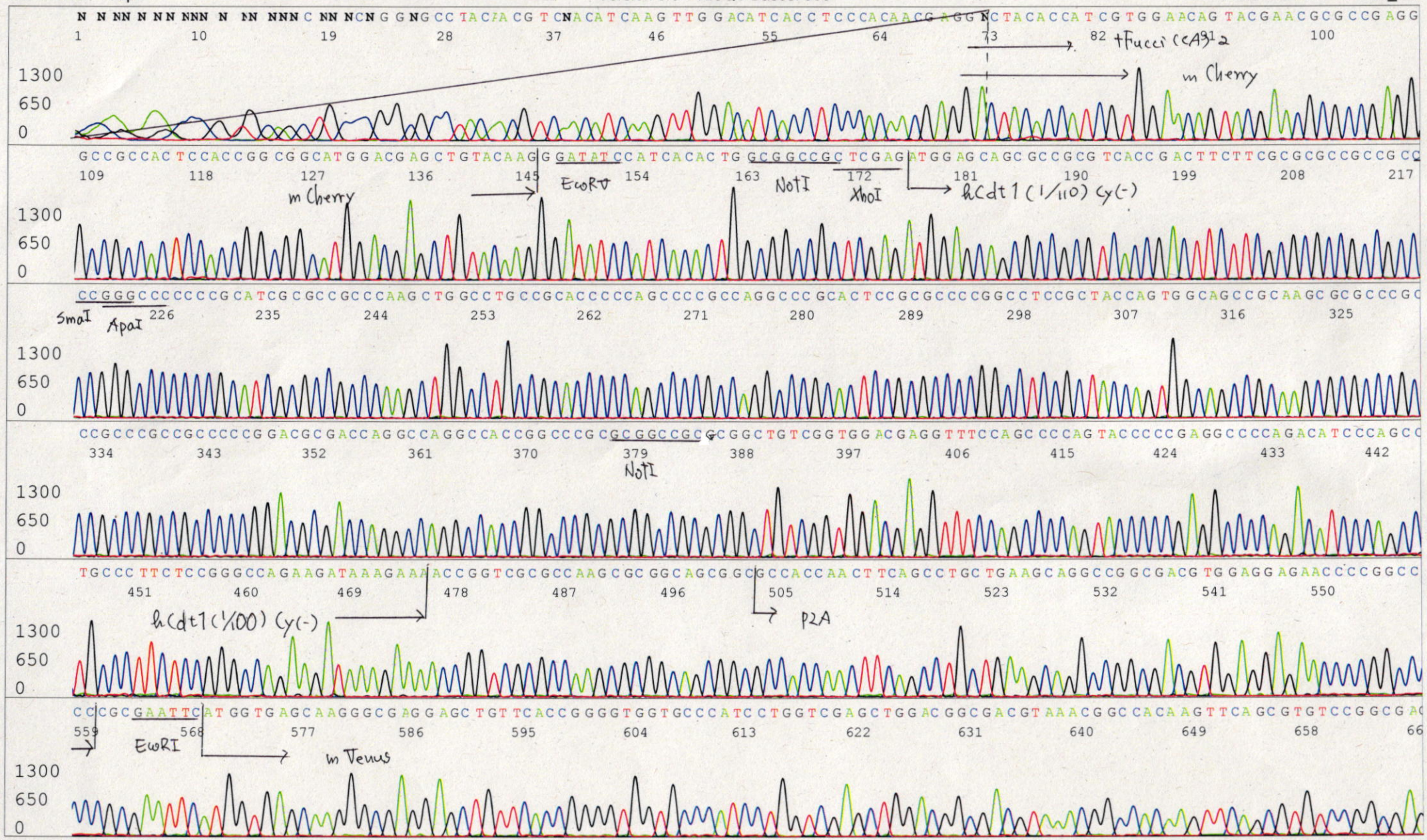
Nov 09,2017 11:51AM, JST
Spacing:11.09 Pts/Panel1350
Plate Name: 20171109_mix

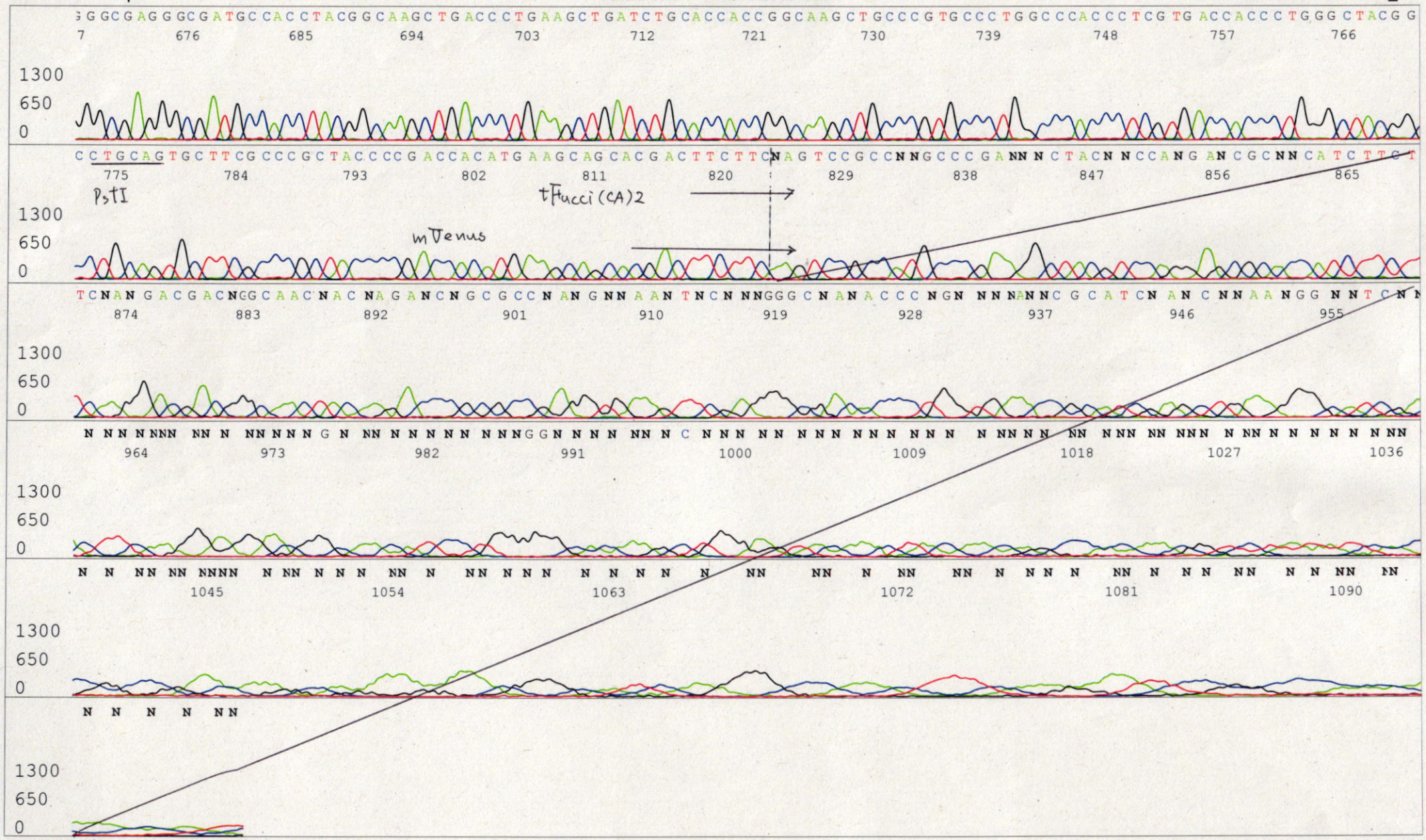


Applied Biosystems

S/N G:61 A:67 T:48 C:111
KB.bcp
KB 1.4.1.8 Cap:7

D05018B3_1_A7Jv_mCherry-C_F_G03_07_ABI08
D05018B3_1_A7Jv_mCherry-C_F
KB_3500_POP7_BDTv3.mob
Pts 1480 to 12356 Pk1 Loc:1457
Version 6.0 HiSQV Bases: 900

Inst Model/Name 3500/3500 Instrument
Nov 09,2017 11:24AM, JST
Nov 09,2017 11:51AM, JST
Spacing:11.09 Pts/Panel1350
Plate Name: 20171109_mix



Applied Biosystems

S/N G:14 A:10 T:10 C:12
KB.bcp
KB 1.4.1.8 Cap:1

primer name : HIV-B_R
5'TTAATACTGACGCTCTCGCACC3'

15452_15452_B2G7F_1_HIV-B_R_A01_01_ABI08
15452_15452_B2G7F_1_HIV-B_R
KB_3500_POP7_BDTv3.mob
Pts 1609 to 8701 Pk1 Loc:1577
Version 6.0 HiSQV Bases: 642

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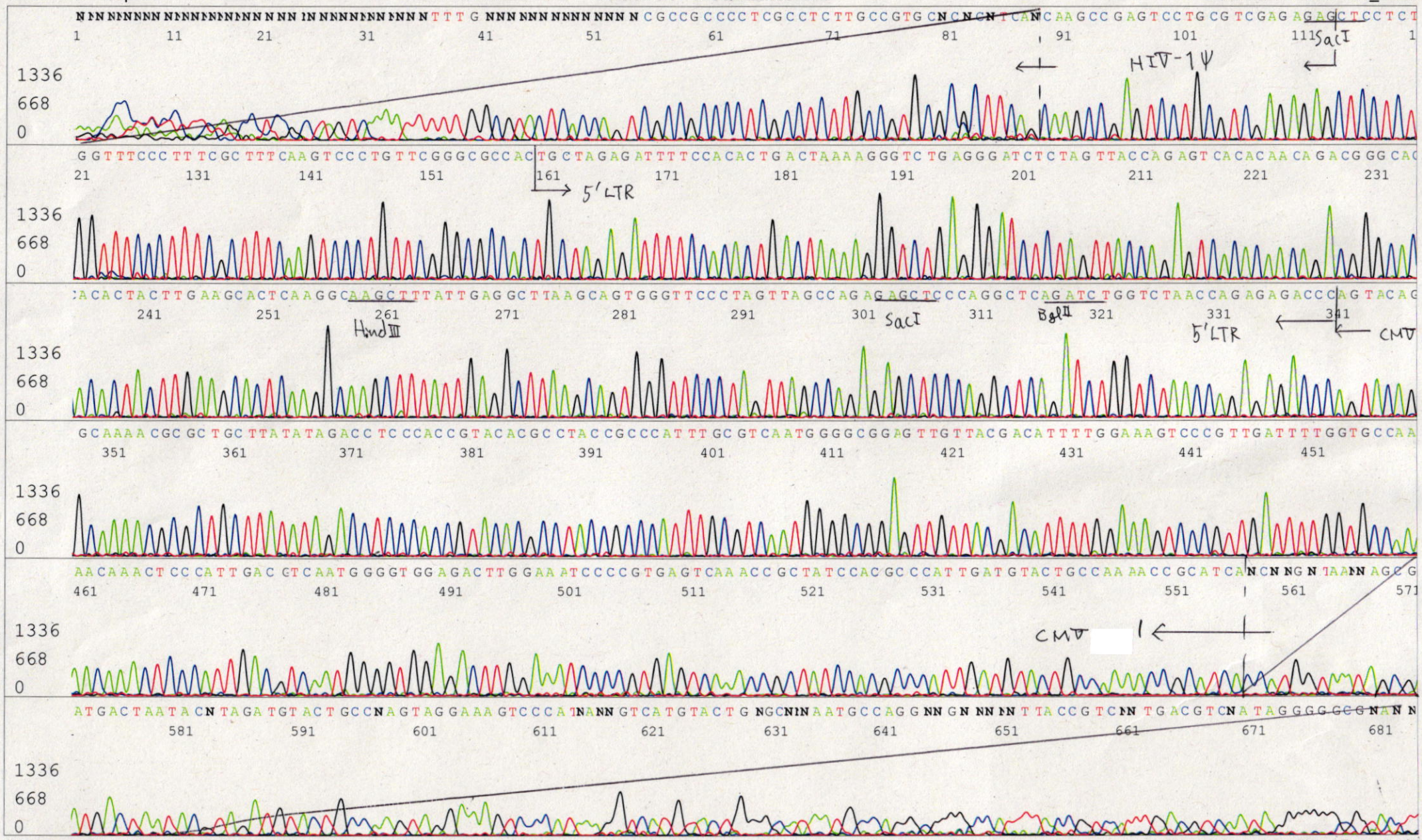
Jul 08,2022 02:33PM, JST
Spacing:11.13 Pts/Panel1350
Plate Name: 20220708_kitaku



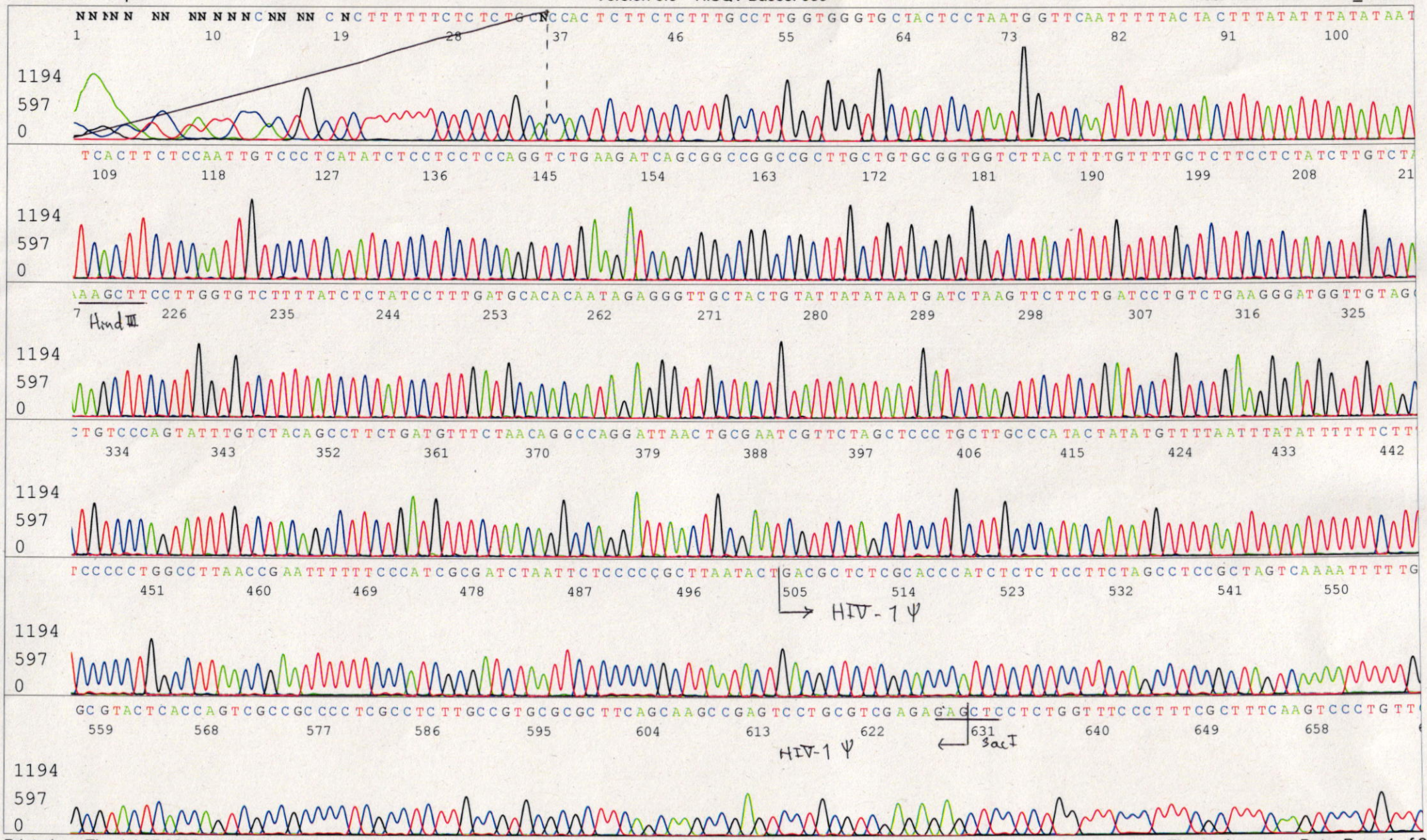
Applied Biosystems

S/N G:127 A:144 T:229 C:229
KB.bcp
KB 1.4.1.8 Cap:3

primer name E : HIVgp_R1
5' TGCTTCCTGCTGCTCCCAAG 3'

D05018B3_1_A7Jv_HIVgp_R1_A12_03_ABI24
D05018B3_1_A7Jv_HIVgp_R1
KB_3500_POP7_BDTv3.mob
Pts 1637 to 13177 Pk1 Loc:1614
Version 6.0 HiSQV Bases: 839

Inst Model/Name 3500/3500 Instrument
Nov 06,2017 03:15PM, JST
Nov 06,2017 03:56PM, JST
Spacing:11.8 Pts/Panel1350
Plate Name: 20171106_2 kitaku

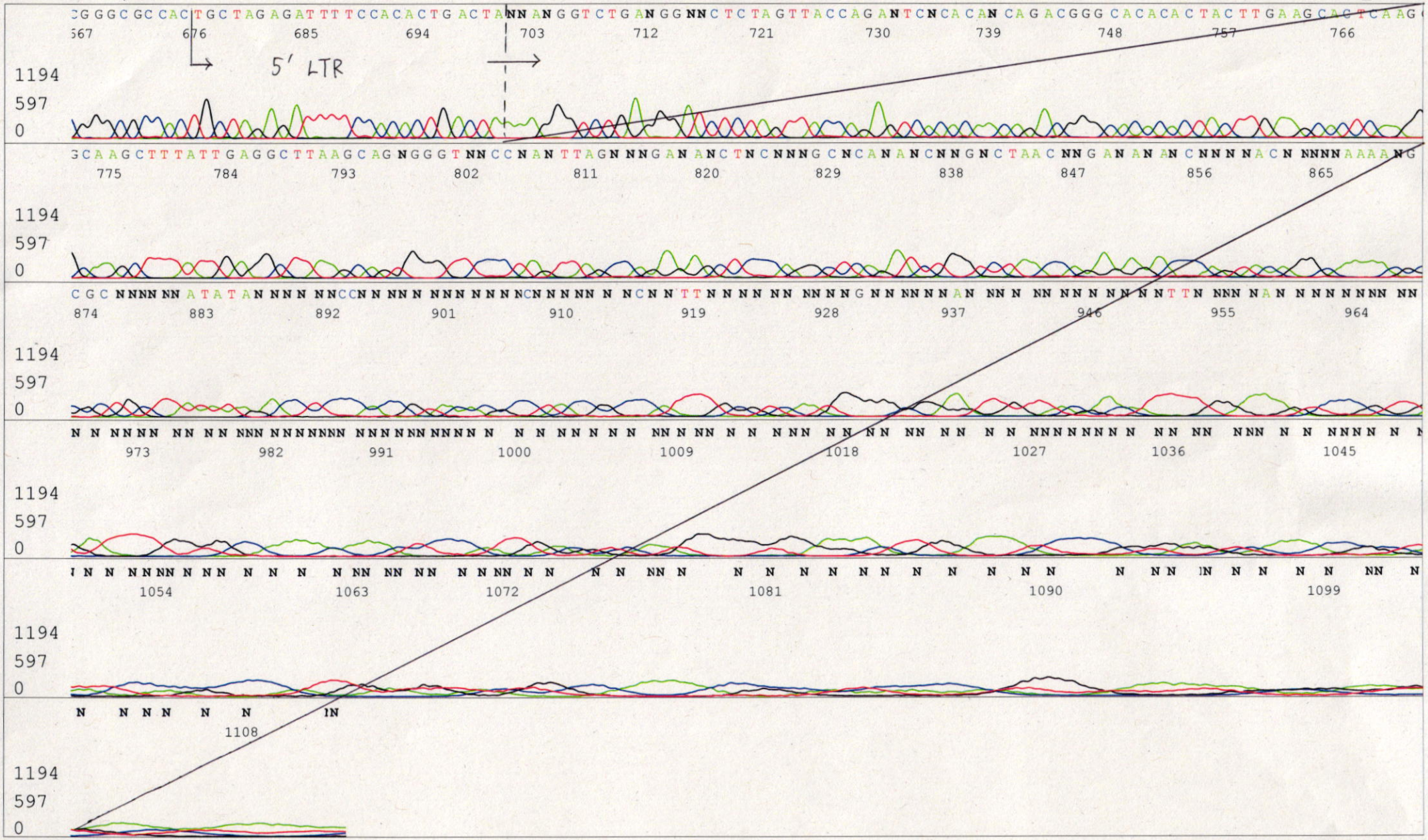


Applied Biosystems

S/N G:127 A:144 T:229 C:229
KB.bcp
KB 1.4.1.8 Cap:3

D05018B3_1_A7Jv_HIVgp_R1_A12_03_ABI24
D05018B3_1_A7Jv_HIVgp_R1
KB_3500_POP7_BDTv3.mob
Pts 1637 to 13177 Pk1 Loc:1614
Version 6.0 HiSQV Bases: 839

Inst Model/Name 3500/3500 Instrument
Nov 06,2017 03:15PM, JST
Nov 06,2017 03:56PM, JST
Spacing:11.8 Pts/Panel1350
Plate Name: 20171106_2 kitaku



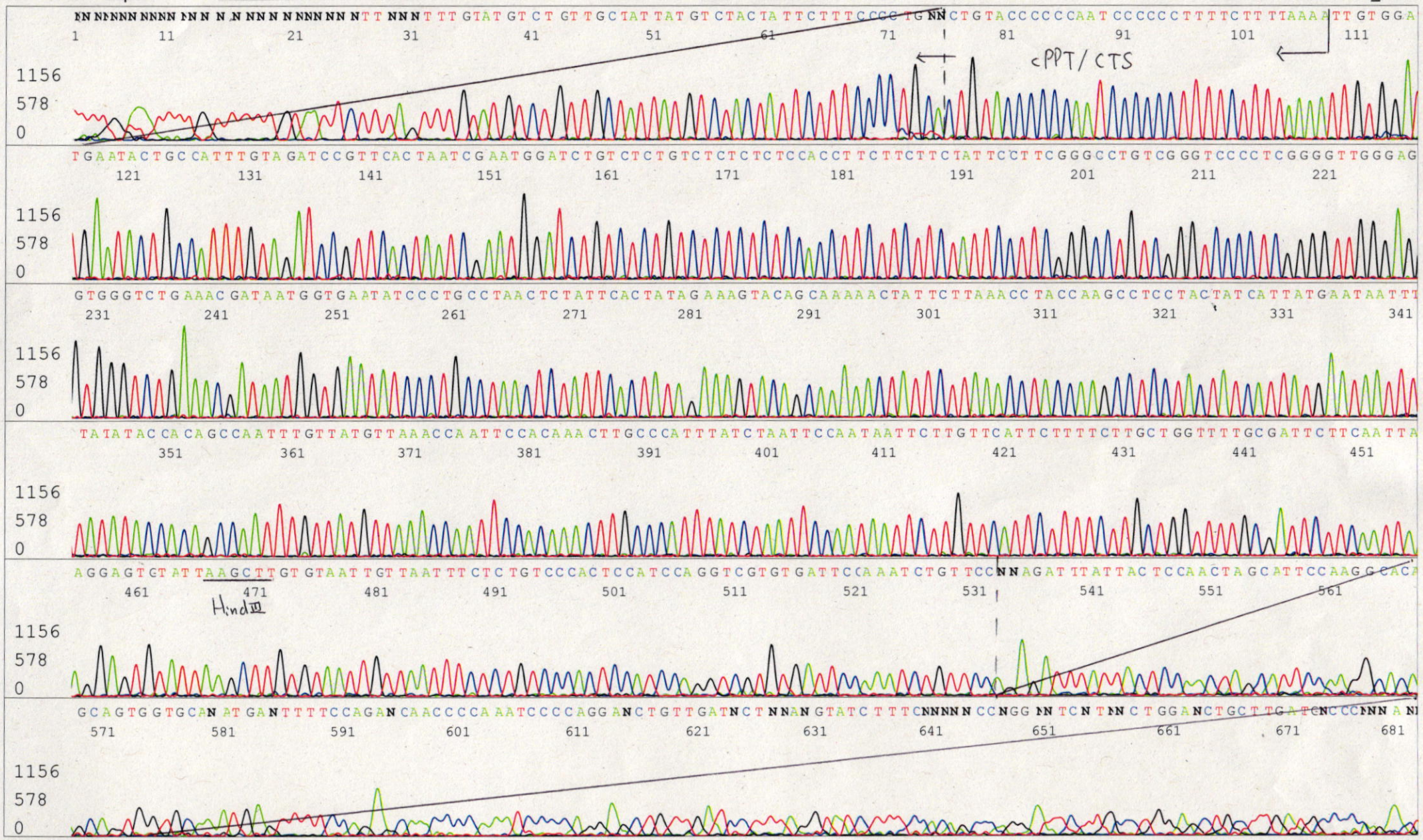
Applied Biosystems

15452_15452_B2G7F_1_cPPT+CTS-E_R_B01_02_ABI08
15452_15452_B2G7F_1_cPPT+CTS-E_R
KB_3500_POP7_BDTv3.mob
Pts 1654 to 8701 Pk1 Loc:1622
Version 6.0 HiSQV Bases: 653

Inst Model/Name 3500/3500 Instrument
Jul 08,2022 02:16PM, JST
Jul 08,2022 02:33PM, JST
Spacing:11.04 Pts/Panel1350
Plate Name: 20220708_kitaku

S/N G:15 A:12 T:16 C:15
KB.bcp
KB 1.4.1.8 Cap:2

primer name F : cPPT/CTS-E_R
5'- GCTGTCCCTGTAATAAACCCG -3'



Applied Biosystems

S/N G:164 A:186 T:128 C:298
KB.bcp
KB 1.4.1.8 Cap:9

primer name G : CSII-CMV5'
5'- AGCAGAGCTGGTTTAGTGAACCG -3'

D05018B3_1_A7Jv_CSII-CMV5'_C12_09_ABI24
D05018B3_1_A7Jv_CSII-CMV5'
KB_3500_POP7_BDTv3.mob
Pts 1600 to 12819 Pk1 Loc:1577
Version 6.0 HiSQV Bases: 877

Inst Model/Name 3500/3500 Instrument
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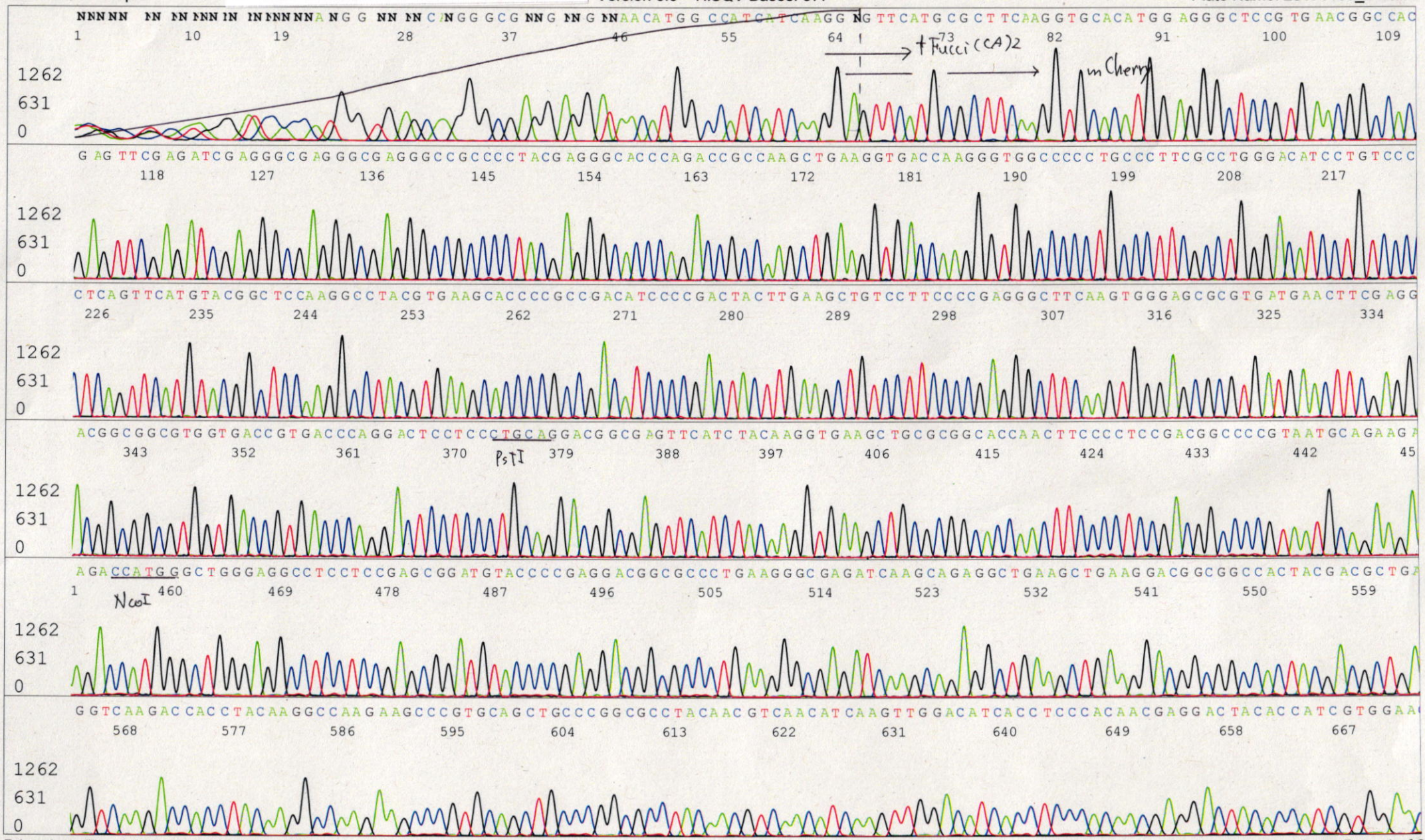
Nov 06,2017 03:56PM, JST
Spacing:11.49 Pts/Panel1350
Plate Name: 20171106_2 kitaku



Applied Biosystems

S/N G:164 A:186 T:128 C:298
KB.bcp
KB 1.4.1.8 Cap:9

D05018B3_1_A7Jv_CSII-CMV5'_C12_09_ABI24
D05018B3_1_A7Jv_CSII-CMV5'
KB_3500_POP7_BDTv3.mob
Pts 1600 to 12819 Pk1 Loc:1577
Version 6.0 HiSQV Bases: 877

Inst Model/Name 3500/3500 Instrument
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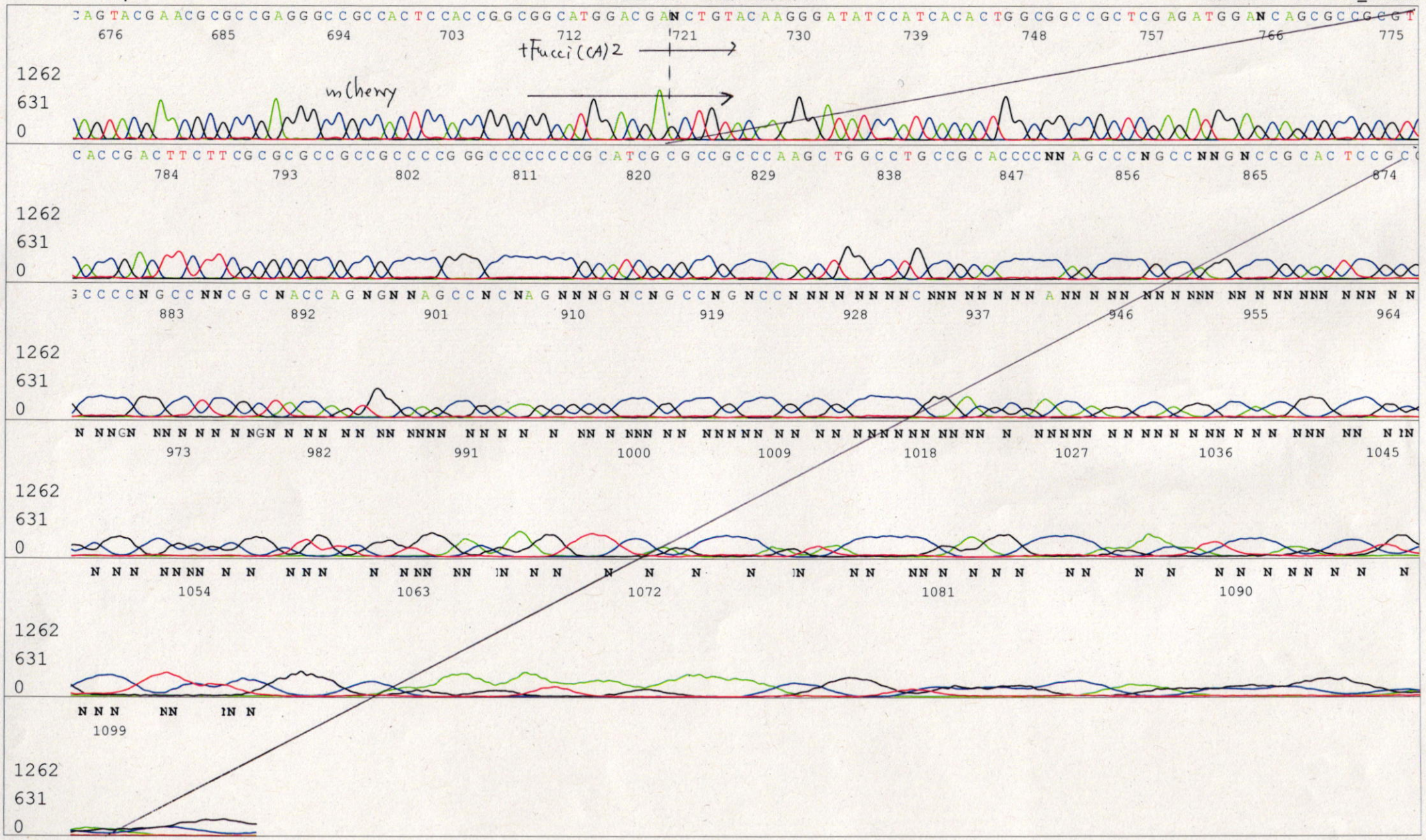
Nov 06,2017 03:56PM, JST
Spacing:11.49 Pts/Panel1350
Plate Name: 20171106_2 kitaku



Applied Biosystems

S/N G:38 A:21 T:19 C:25
KB.bcp
KB 1.4.1.8 Cap:2

primer name H : EGFP-B_R2
5' TCTTTGCTCAGCTTGGACTG 3'

15452_15452_B2G7F_1_EGFP-B_R2_B02_02_ABI08
15452_15452_B2G7F_1_EGFP-B_R2
KB_3500_POP7_BDTv3.mob
Pts 1310 to 14126 Pk1 Loc:1287
Version 6.0 HiSQV Bases: 956

Inst Model/Name 3500/3500 Instrument
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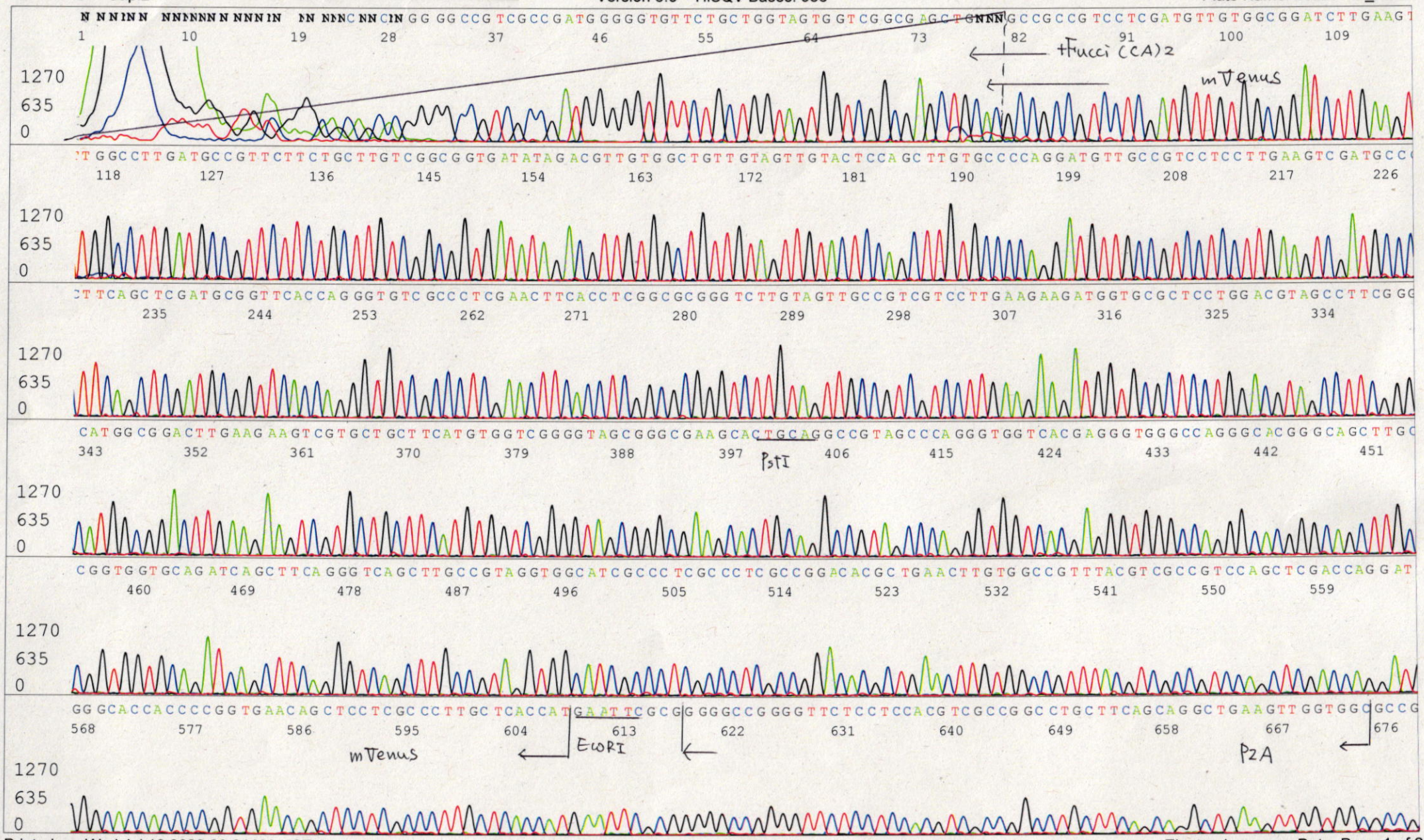
Spacing:12.53 Pts/Panel1350
Plate Name: 20220712_kitaku



Applied Biosystems

S/N G:38 A:21 T:19 C:25
KB.bcp
KB 1.4.1.8 Cap:2

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15452_15452_B2G7F_1_EGFP-B_R2
KB_3500_POP7_BDTv3.mob
Pts 1310 to 14126 Pk1 Loc:1287
Version 6.0 HiSQV Bases: 956

Inst Model/Name 3500/3500 Instrument
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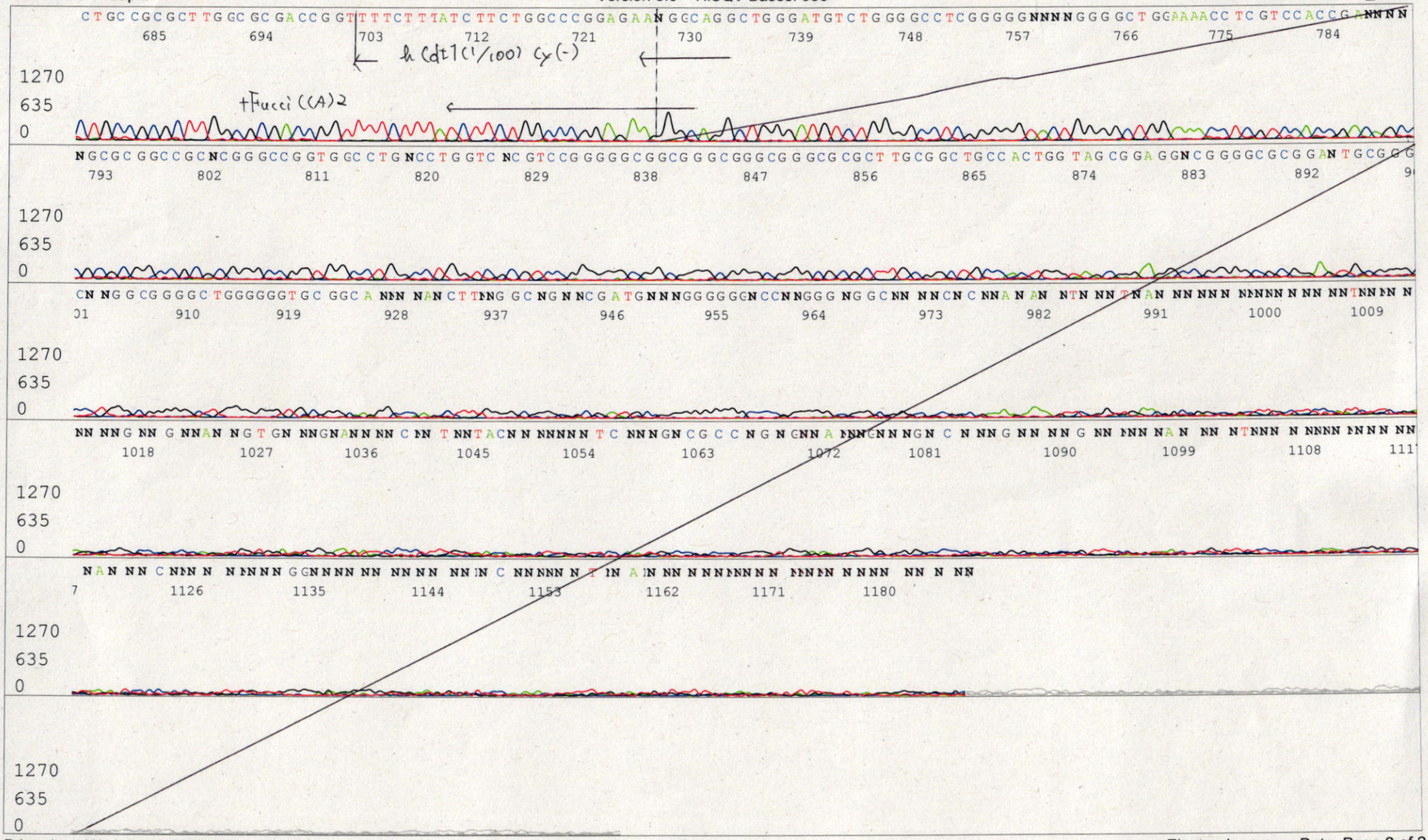
Jul 12,2022 02:21PM, JST
Spacing:12.53 Pts/Panel1350
Plate Name: 20220712_kitaku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685 694 703 712 721 730 739 748 757 766 775 784
h (dt] (1/100) (y(-)
tFucci ((A)2
1270
635
0
NGCGCGGCCGCNCGGGCCGGTGGCCTGNCCTGGTCNCGTCCGGGGGCGGCGGGCGGGCGGGCGCGCTTGCGGCTGCCACTGGTAGCGGAGGNCGGGGCGCGGANTGCGGG
793 802 811 820 829 838 847 856 865 874 883 892
CNNGGCGGGGCTGGGGGGTGCGGCANNNNANCTTNNGGCNGNNCGATGNNNGGGGGCNCCNNGGGNGGCNNNNCNCNNANANNTNNTNANNNNNNNNNNNNNNTNNNN
910 919 928 937 946 955 964 973 982 991 1000 1009
NNNGNNGNNANNGTGNNNGNANNNNCNNTNNTACNNNNNNNTCNNNGNCGCCNGNGNNANNNGNNGNCNNNGNNNNGNNANNNTNNNNNNNNNNNNN

Applied Biosystems

S/N G:55 A:45 T:33 C:44
KB.bcp
KB 1.4.1.8 Cap:1

primer name L : bGH_rev3
5' TTAGGAAAGGACAGTGGGAGTG 3'

15452_15452_B2G7F_1_bGH_rev3_A02_01_ABI08
15452_15452_B2G7F_1_bGH_rev3
KB_3500_POP7_BDTv3.mob
Pts 1344 to 14271 Pk1 Loc:1321
Version 6.0 HiSQV Bases: 960

Inst Model/Name 3500/3500 Instrument
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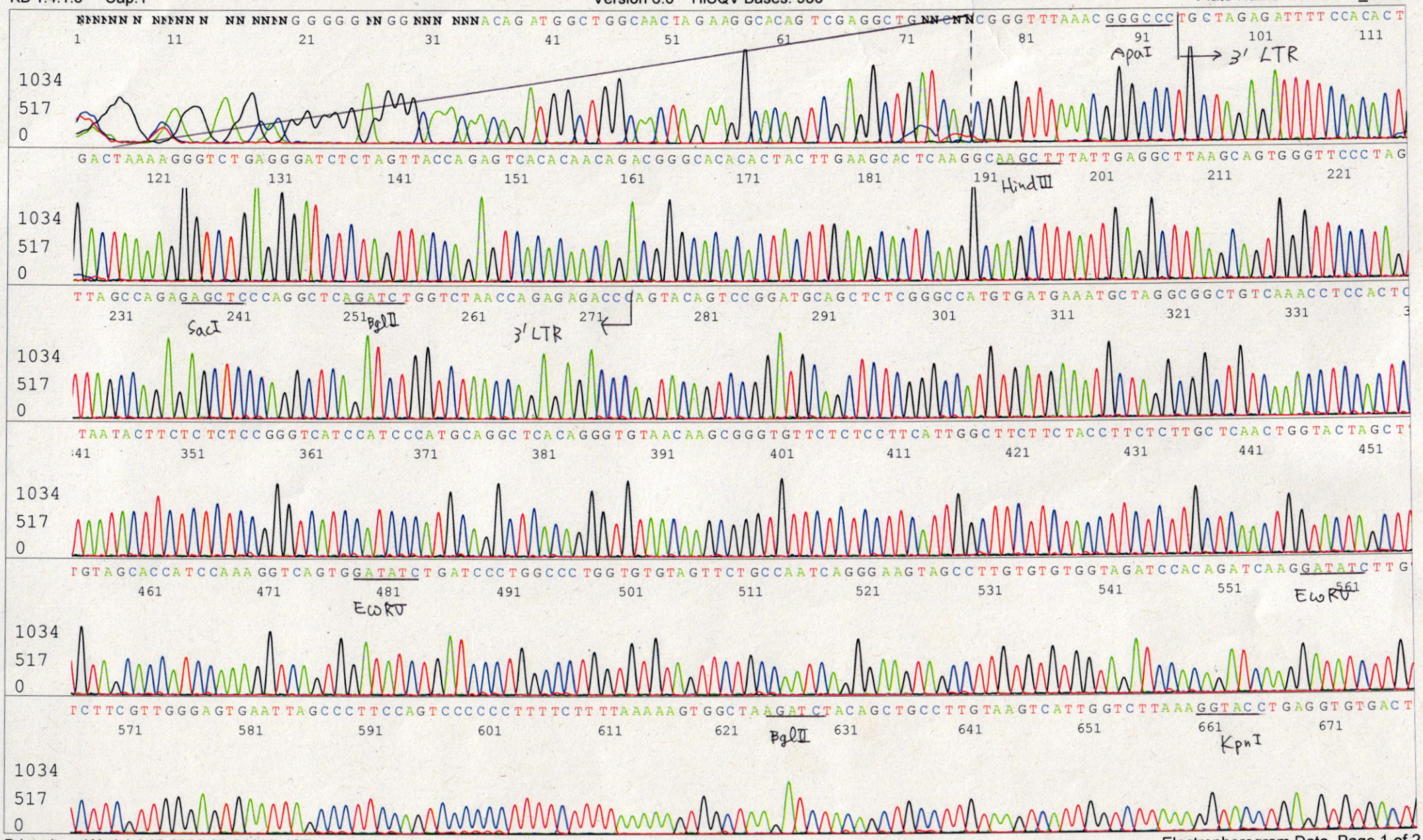

Applied Biosystems

S/N G:55 A:45 T:33 C:44
KB.bcp
KB 1.4.1.8 Cap:1

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15452_15452_B2G7F_1_bGH_rev3
KB_3500_POP7_BDTv3.mob
Pts 1344 to 14271 Pk1 Loc:1321
Version 6.0 HiSQV Bases: 960

Inst Model/Name 3500/3500 Instrument
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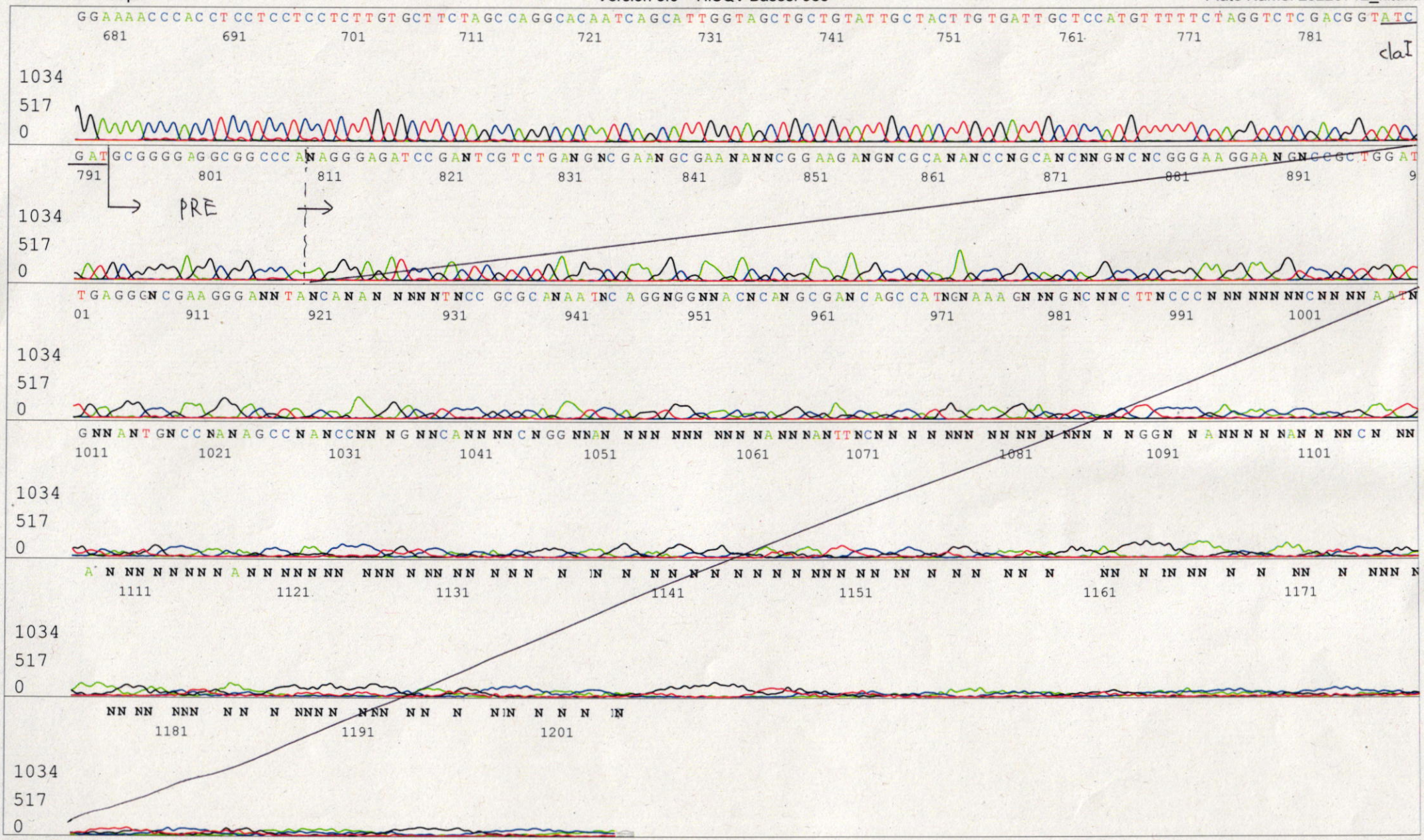
Jul 12,2022 02:21PM, JST
Spacing:12.53 Pts/Panel1350
Plate Name: 20220712_kitaku



Applied Biosystems

S/N G:136 A:145 T:142 C:222
KB.bcp
KB 1.4.1.8 Cap:6

primer name J J : SV40pro_F
5'- TATTTATGCAGAGGCCGAGG -3'

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D05018B3_1_A7Jv_SV40pro_F
KB_3500_POP7_BDTv3.mob
Pts 1585 to 12902 Pk1 Loc:1562
Version 6.0 HiSQV Bases: 892

Inst Model/Name 3500/3500 Instrument
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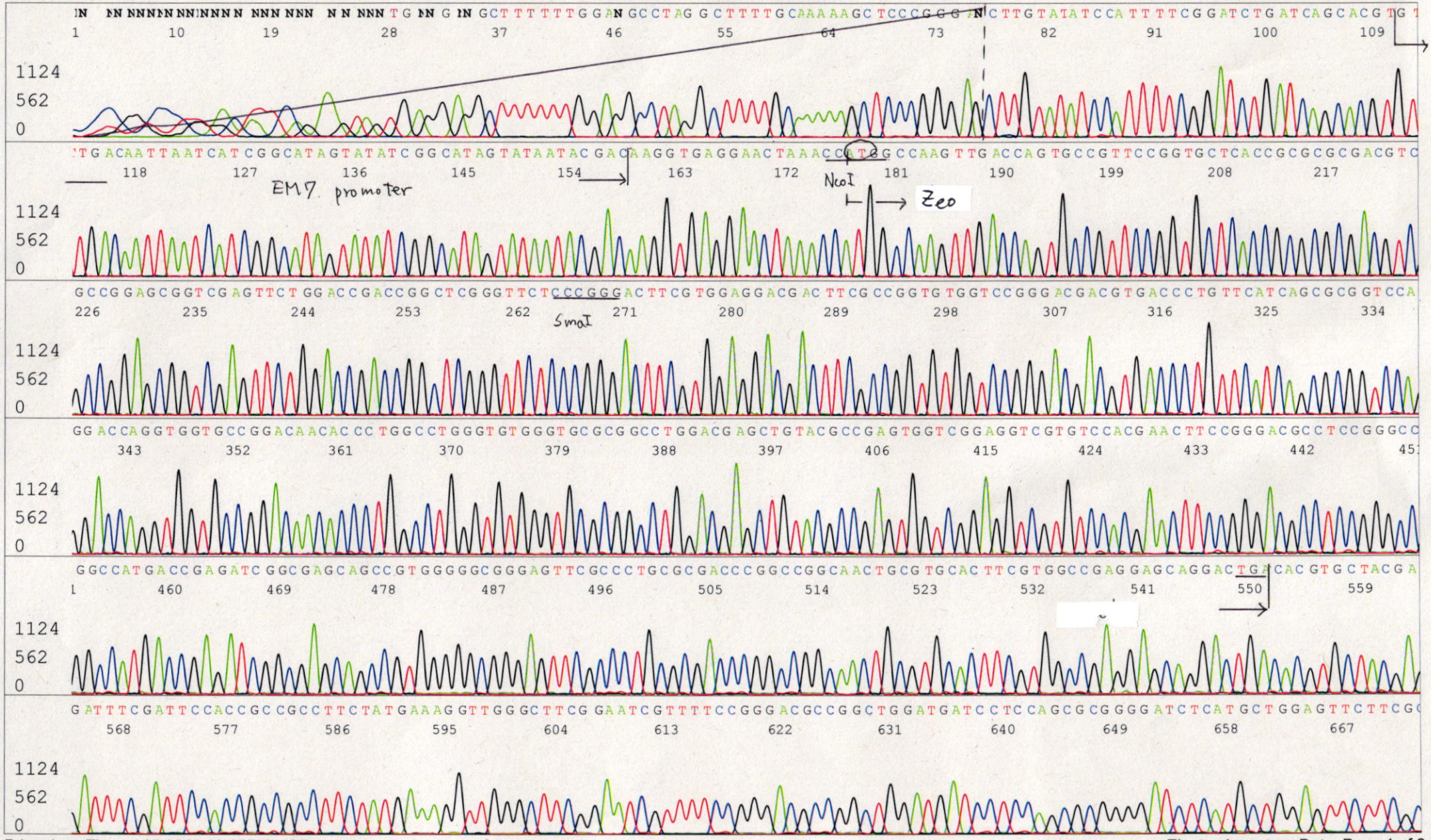
Nov 06,2017 03:56PM, JST
Spacing:11.55 Pts/Panel1350
Plate Name: 20171106_2 kitaku



Applied Biosystems

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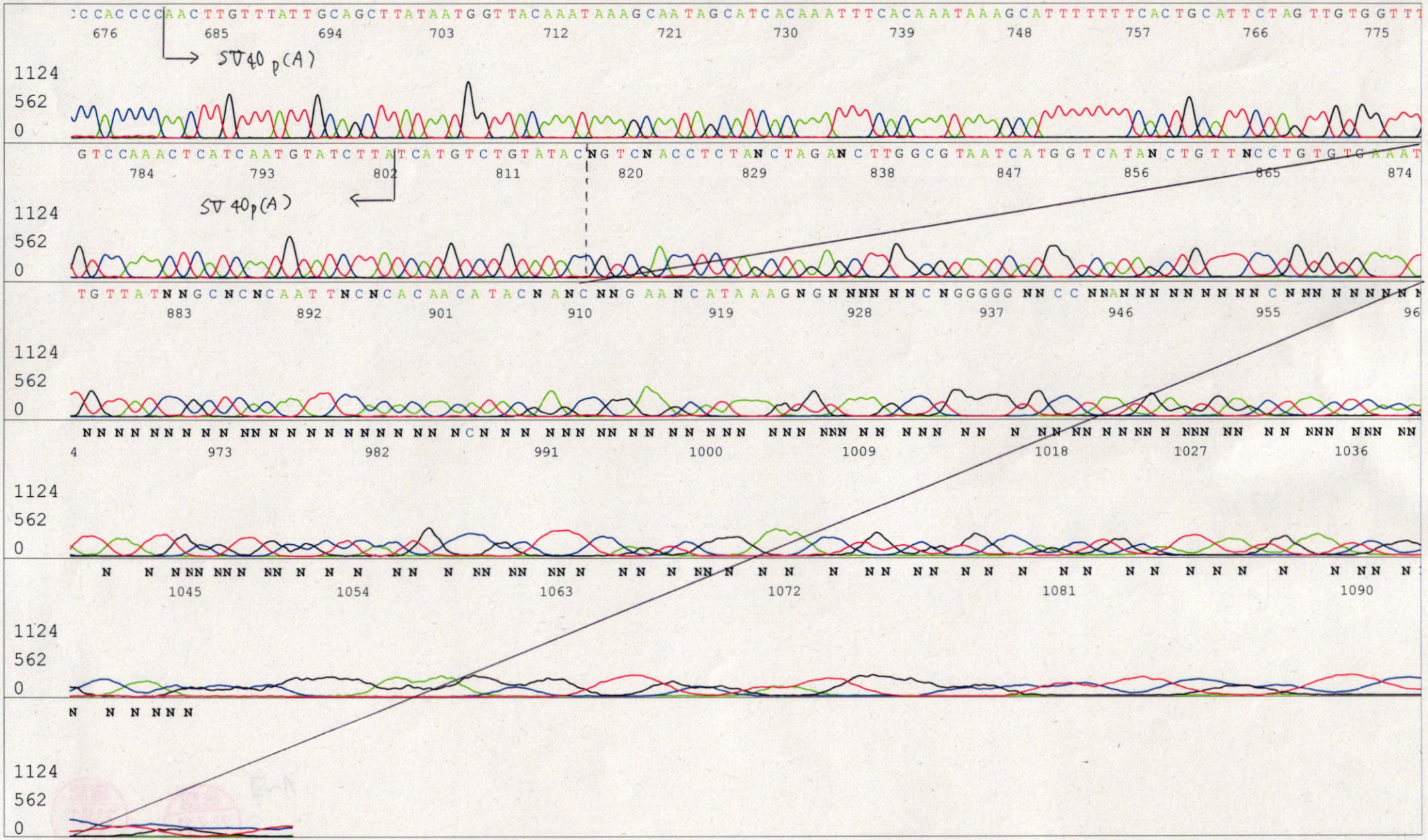
D05018B3_1_A7Jv_SV40pro_F
KB_3500_POP7_BDTv3.mob
Pts 1585 to 12902 Pk1 Loc:1562
Version 6.0 HiSQV Bases: 892

Inst Model/Name 3500/3500 Instrument
Nov 06,2017 03:15PM, JST
Nov 06,2017 03:56PM, JST
Spacing:11.55 Pts/Panel1350
Plate Name: 20171106_2 kitaku

S/N G:136 A:145 T:142 C:222
KB.bcp
KB 1.4.1.8 Cap:6