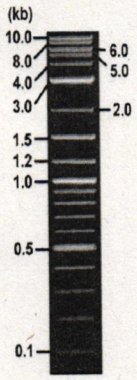
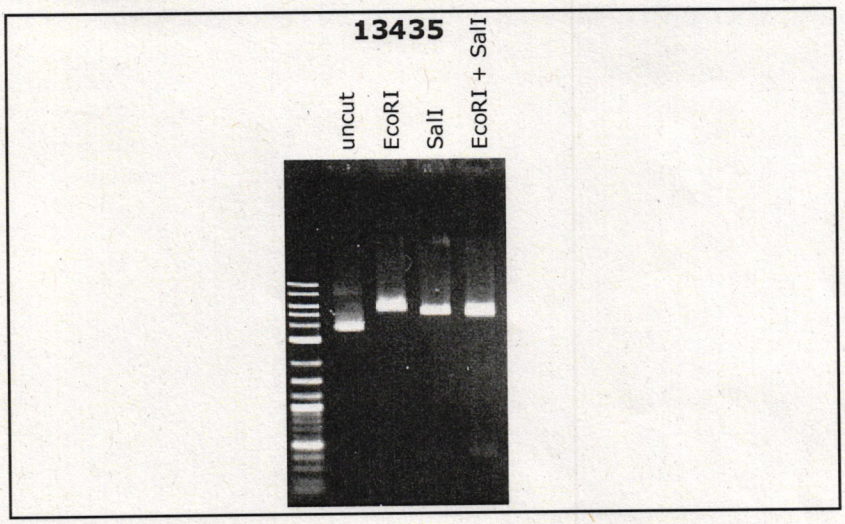
Gene Engineering Division
RIKEN BioResource Research Center

RIKEN DNA BANK clone name : pEGFP-C1-hLC3B

- **Clone ID** : RDB _ 13435
- **Lot** : 13435 _ A5Ft
- **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	
EcoRI	:	**5.1**	kbp
SalI	:	**5.1**	kbp
EcoRI + SalI	:	**4.7, 0.4**	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	Pr0574	mVenus-M_F	EGFP 3',insert
Sequence - B	Pr0016	CMV_Forward	CMV pro,EGFP 5'
Sequence - C	Pr0731	SV40pro_ori_F	SV40 pro_ori,NeoR_KanR
Sequence - D	-	-	-
Sequence - E	-	-	-
Sequence - F	-	-	-
Sequence - G	-	-	-
Sequence - H	-	-	-

APPROVED BY :

確認 23.2.21 岸川

Applied Biosystems

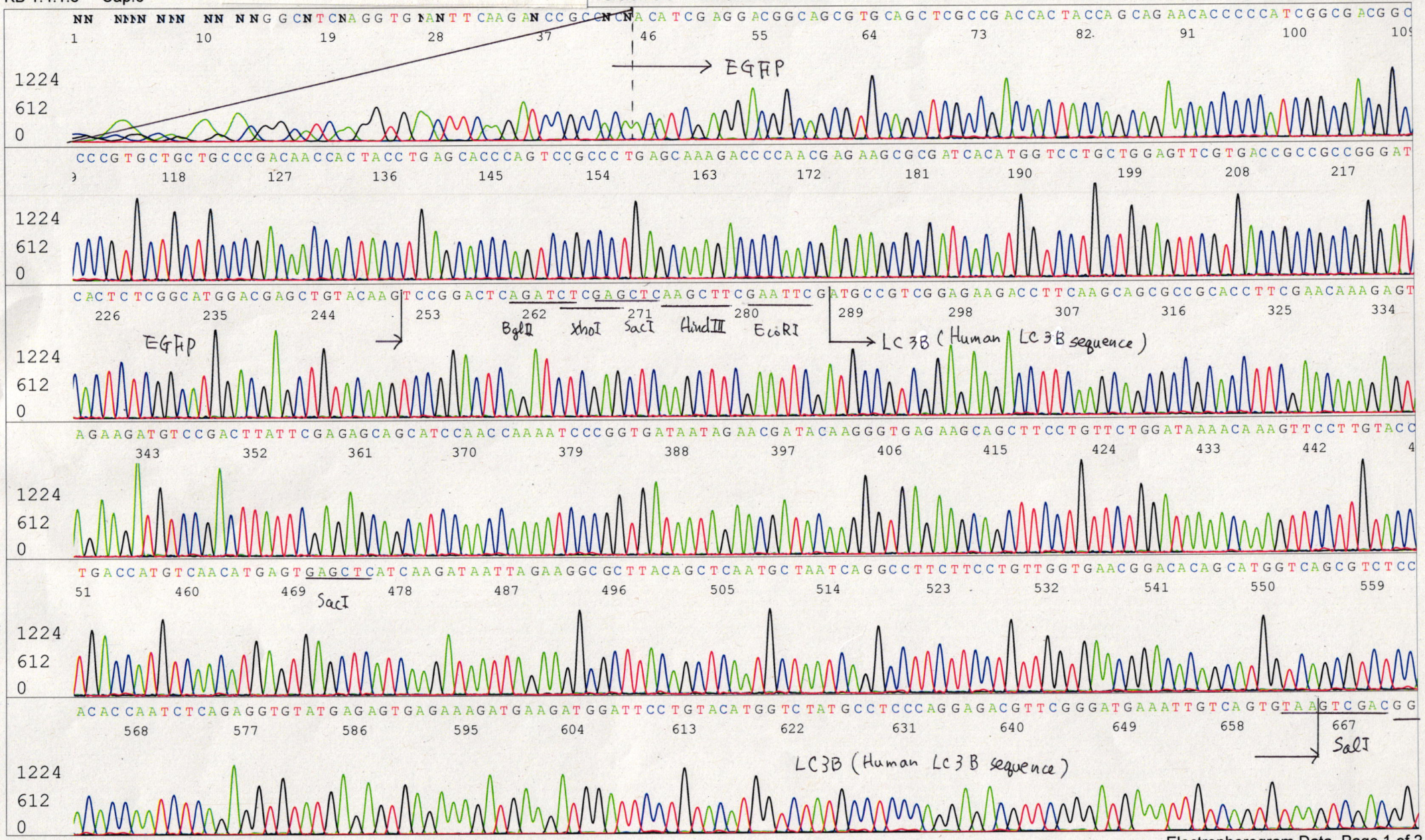
13435_13435_B3B6F_mVenus-M_F_B03_06_ABI24
13435_13435_B3B6F_mVenus-M_F

Inst Model/Name 3500/3500 Instrument
Feb 07,2023 02:21PM, JST
Feb 07,2023 02:59PM, JST
Spacing:11.89 Pts/Panel1350
Plate Name: 20230207_mix

S/N G:206 A:326 T:192 C:243
KB.bcp
KB 1.4.1.8 Cap:6

primer name A : mVenus-M_F
5' ACTACAACAGCCACAACGTC 3'

KB_3500_POP7_BDTv3.mob
Pts 1427 to 13306 Pk1 Loc:1404
Version 6.0 HiSQV Bases: 955



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13435_13435_B3B6F_mVenus-M_F
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Feb 07,2023 02:21PM, JST
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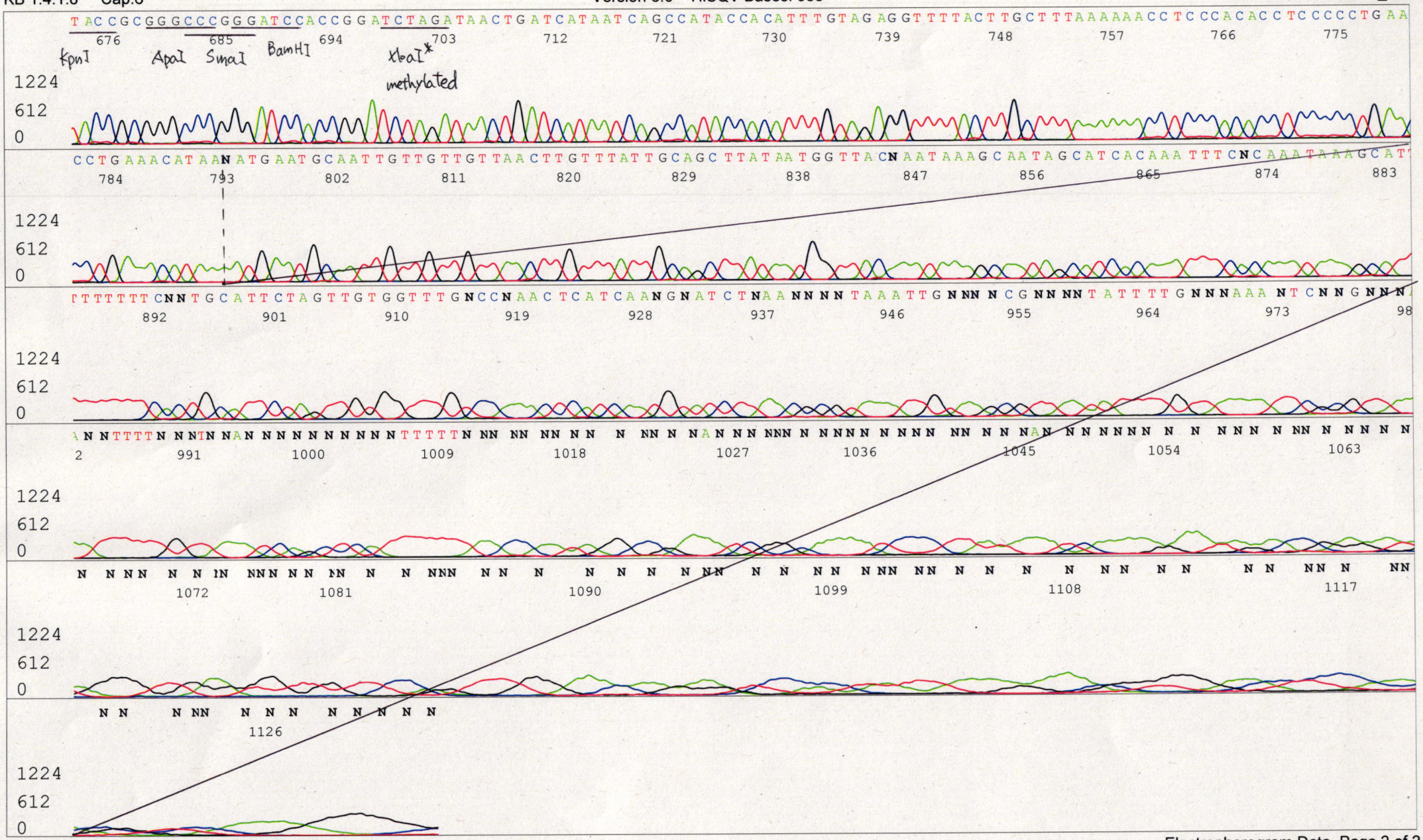
Spacing:11.89 Pts/Panel1350
Plate Name: 20230207_mix



Printed on: Wed Feb 08,2023 08:55AM, JST

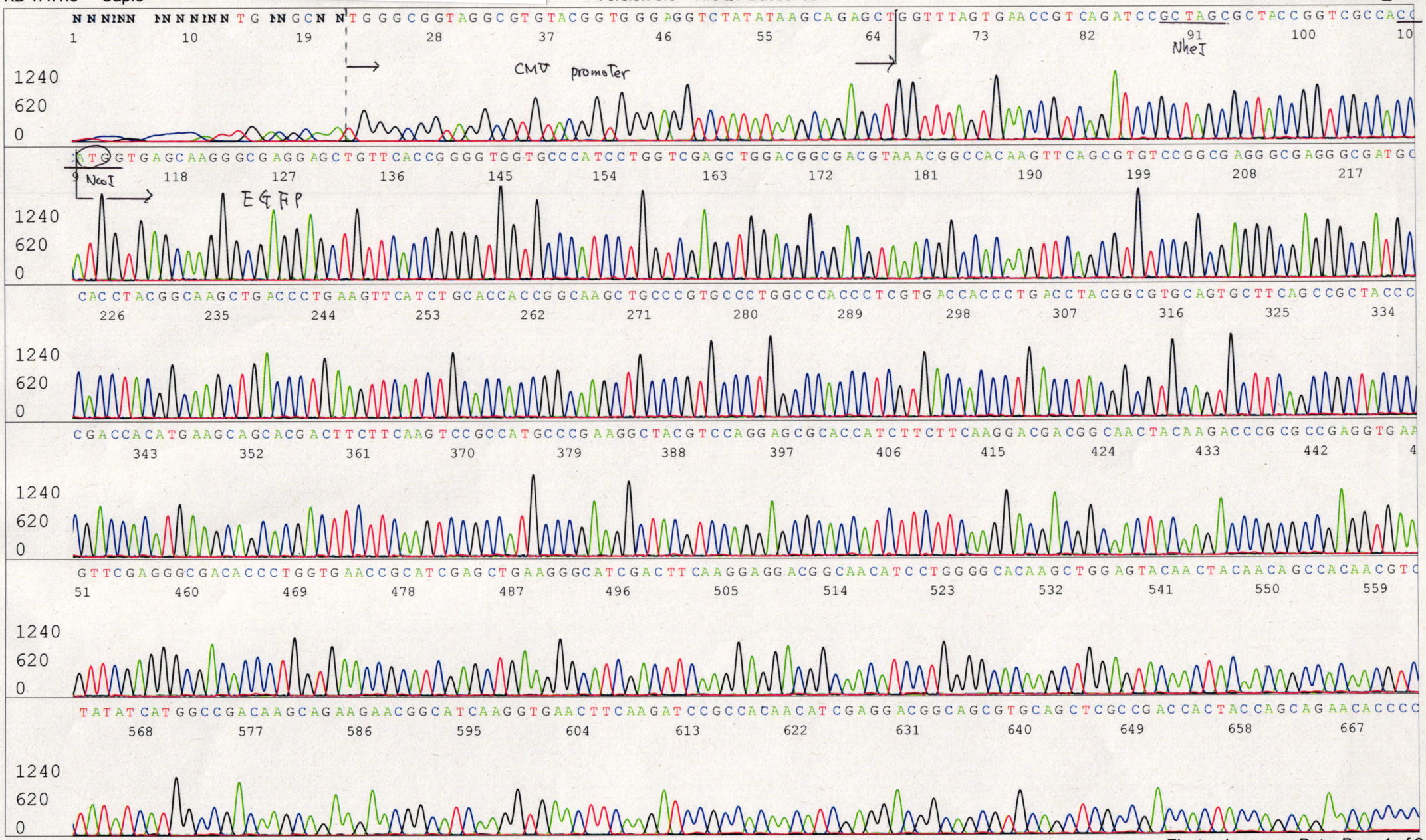
Applied Biosystems

S/N G:509 A:683 T:446 C:666
KB.bcp
KB 1.4.1.8 Cap:3

primer name B : CMV_Forward
5' GCACCAAAATCAACGGGACTT3'

13435_13435_B3B6F_CMV-Forward_A03_03_ABI24
13435_13435_B3B6F_CMV-Forward
KB_3500_POP7_BDTv3.mob
Pts 1461 to 13201 Pk1 Loc:1438
Version 6.0 HiSQV Bases: 891

Inst Model/Name 3500/3500 Instrument
Feb 07,2023 02:21PM, JST
Feb 07,2023 02:59PM, JST
Spacing:11.83 Pts/Panel1350
Plate Name: 20230207_mix



Applied Biosystems

S/N G:509 A:683 T:446 C:666
KB.bcp
KB 1.4.1.8 Cap:3

13435_13435_B3B6F_CMV-Forward_A03_03_ABI24
13435_13435_B3B6F_CMV-Forward
KB_3500_POP7_BDTv3.mob
Pts 1461 to 13201 Pk1 Loc:1438
Version 6.0 HiSQV Bases: 891

Inst Model/Name 3500/3500 Instrument
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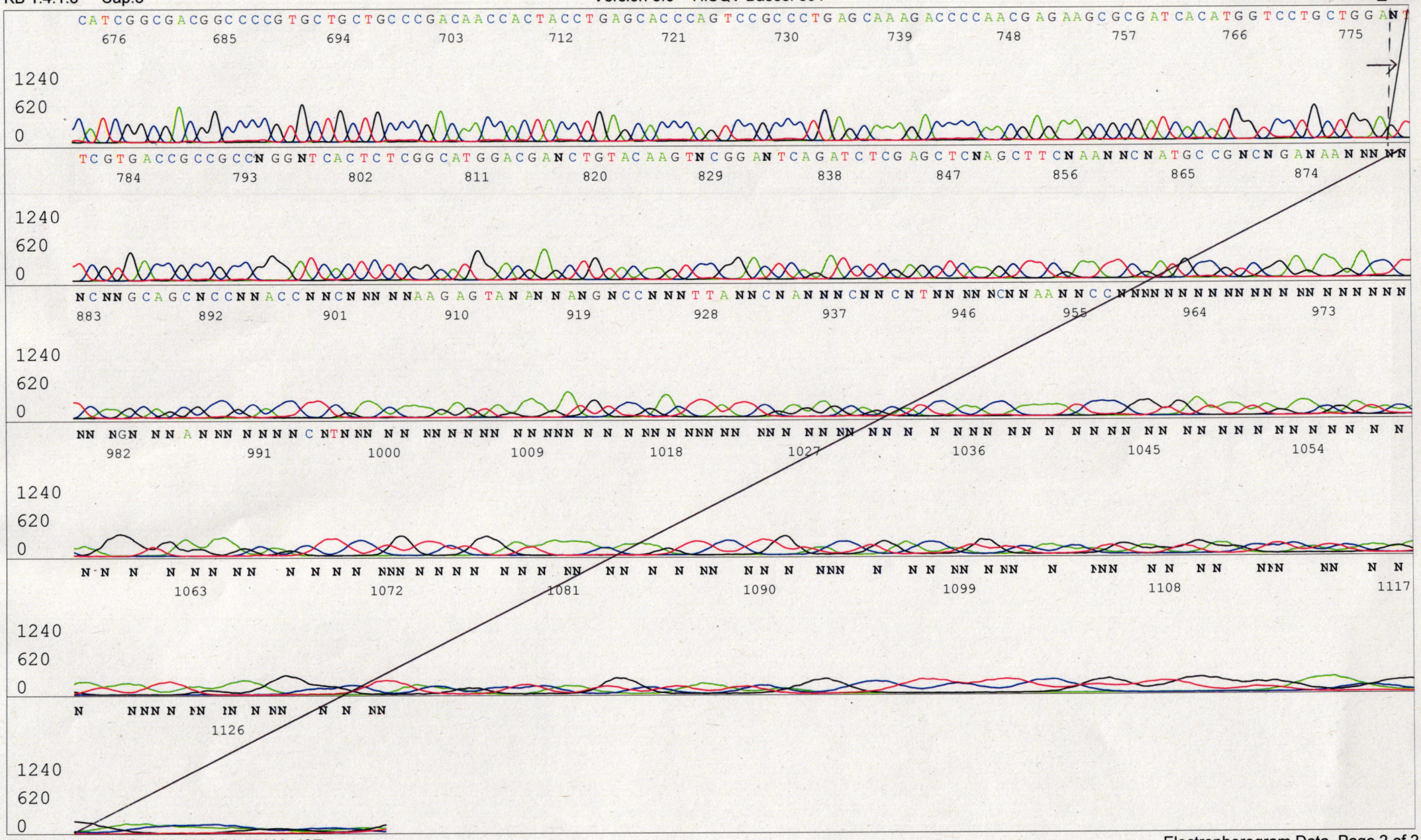
Feb 07,2023 02:59PM, JST
Spacing:11.83 Pts/Panel1350
Plate Name: 20230207_mix



Printed on: Wed Feb 08,2023 08:55AM, JST

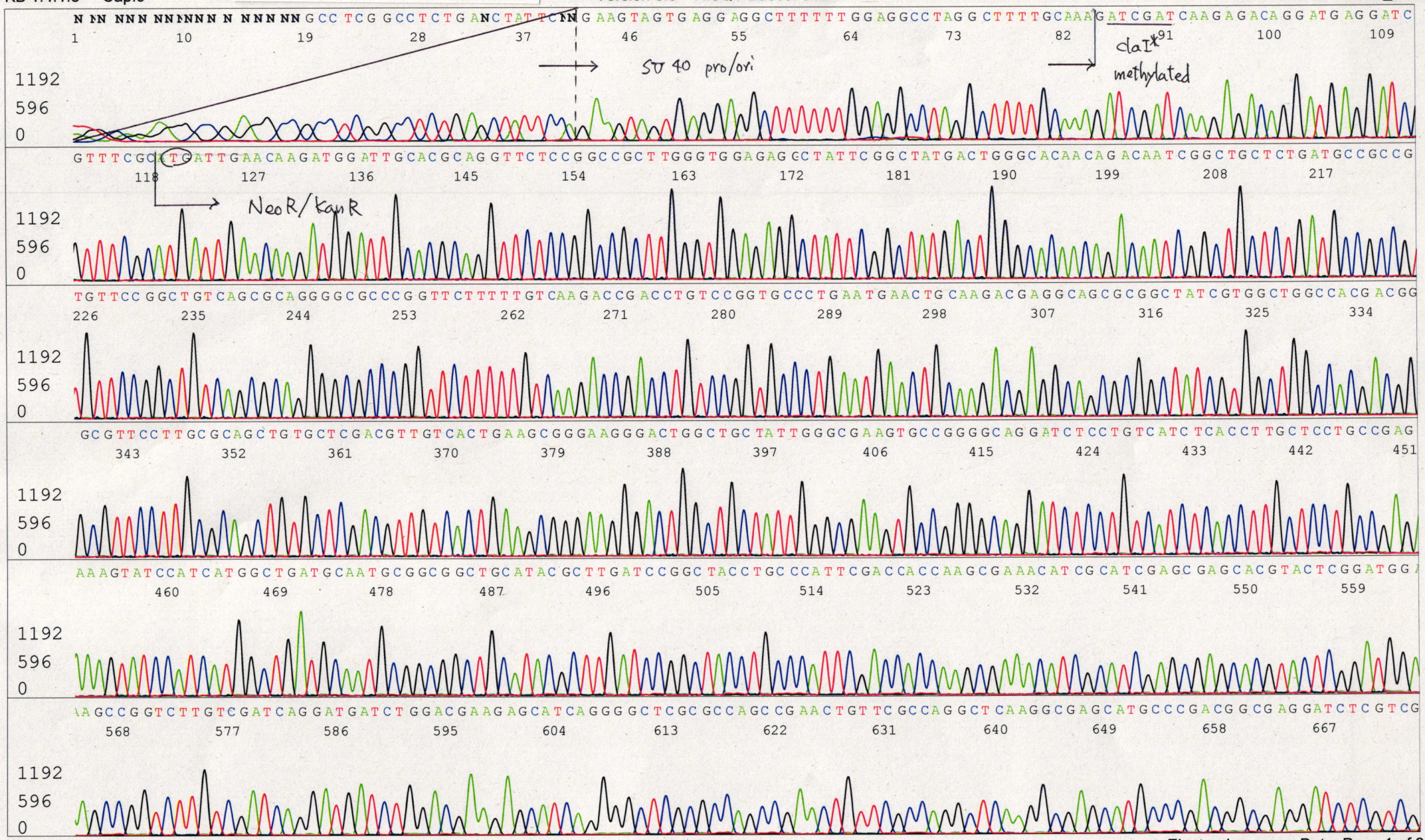
Applied Biosystems

S/N G:222 A:195 T:137 C:166
KB.bcp
KB 1.4.1.8 Cap:9

primer name : SV40pro_ori_F
5' TTCTCCGCCCCATGGCTGACTAAT 3'

13435_13435_B3B6F_SV40pro_ori_F_C03_09_ABI24
13435_13435_B3B6F_SV40pro_ori_F
KB_3500_POP7_BDTv3.mob
Pts 1445 to 13268 Pk1 Loc:1422
Version 6.0 HiSQV Bases: 942

Inst Model/Name 3500/3500 Instrument
Feb 07,2023 02:21PM, JST
Feb 07,2023 02:59PM, JST
Spacing:11.88 Pts/Panel1350
Plate Name: 20230207_mix



Printed on: Wed Feb 08,2023 08:55AM, JST

Applied Biosystems

S/N G:222 A:195 T:137 C:166
KB.bcp
KB 1.4.1.8 Cap:9

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KB_3500_POP7_BDTv3.mob
Pts 1445 to 13268 Pk1 Loc:1422
Version 6.0 HiSQV Bases: 942

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Feb 07,2023 02:21PM, JST
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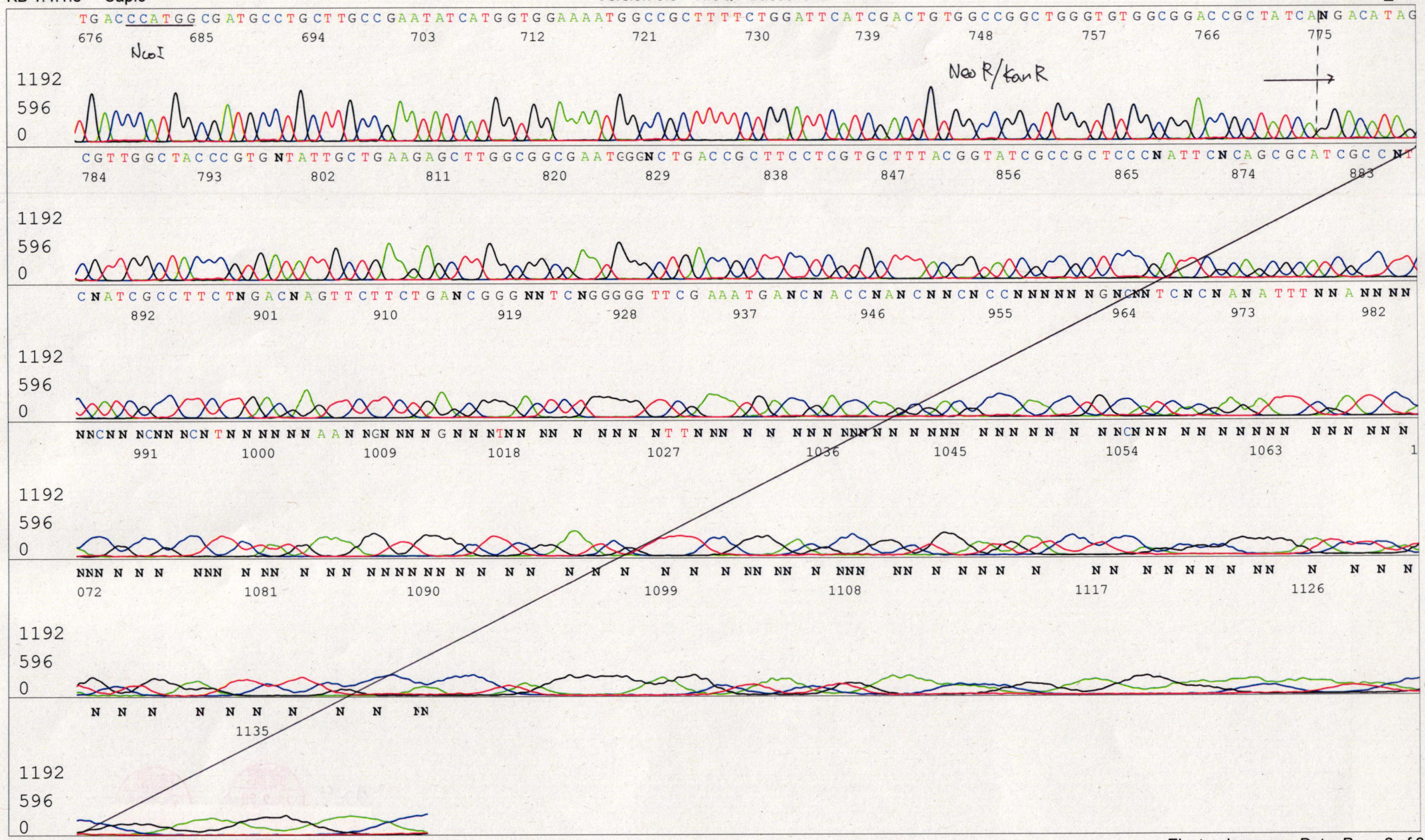
Spacing:11.88 Pts/Panel1350
Plate Name: 20230207_mix


TGACCCATGGCGATGCCTGCTTGCCGAATATCATGGTGGAAAATGGCCGCTTTTCTGGATTCATCGACTGTGGCCGGCTGGGTGTGGCGGACCGCTATCANGACATAG
676 685 694 703 712 721 730 739 748 757 766 775
NcoI
Neo R/kan R
1192
596
0
CGTTGGCTACCCGTGNTATTGCTGAAGAGCTTGGCGGCGAATGGGNCTGACCGCTTCCTCGTGCTTTACGGTATCGCCGCTCCCNATTCNCAGCGCATCGCCNT
784 793 802 811 820 829 838 847 856 865 874 883
CNATCGCCTTCTNGACNAGTTCTTCTGANCGGGNNTCNGGGGGTTCG AAATGANCN ACCNAN CNNCN CCNNNNN NGNCNNTCNCN ANATTTNNANNNN
892 901 910 919 928 937 946 955 964 973 982
NNCNN NCNN NCNTNNNNNNAANNGNNNNGNNNTNNNNNNNNNNTTNNNNNNNNNN