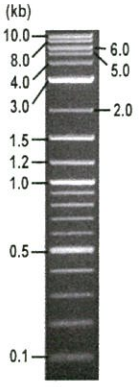
Gene Engineering Division
RIKEN BioResource Research Center

RIKEN DNA BANK

clone name : pIDT-SMART(C-TSC)

- **Clone ID** : RDB _ 14136
- **Lot** : 14136 _ A6Dm
- **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



Erectrophoresis : 100 nanogram DNA per lane ; 1% agarose gel , 1 x TAE Buffer

Restriction enzyme		Expected size of fragment	
SalI	:	**5.3**	kbp
NotI	:	**5.3**	kbp
SalI+NotI	:	**3.3, 2.0**	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	Pr0606	BGH_rev2	bGHp(A)
Sequence - B	Pr0349	M13fwd	CMV1(CMV en,CMV pro)
Sequence - C	Pr0384	RU5-R	RU5',CMV1(CMV pro,CMV en)
Sequence - D	Pr0385	BGH_F2	bGHp(A),hTERT,SV40,CMV2(CMV en)
Sequence - E	Pr0160	M13R	CMV2(CMV en),SV40
Sequence - F	-	-	-
Sequence - G	-	-	-
Sequence - H	-	-	-

APPROVED BY :

確認 19.12.17 岸川

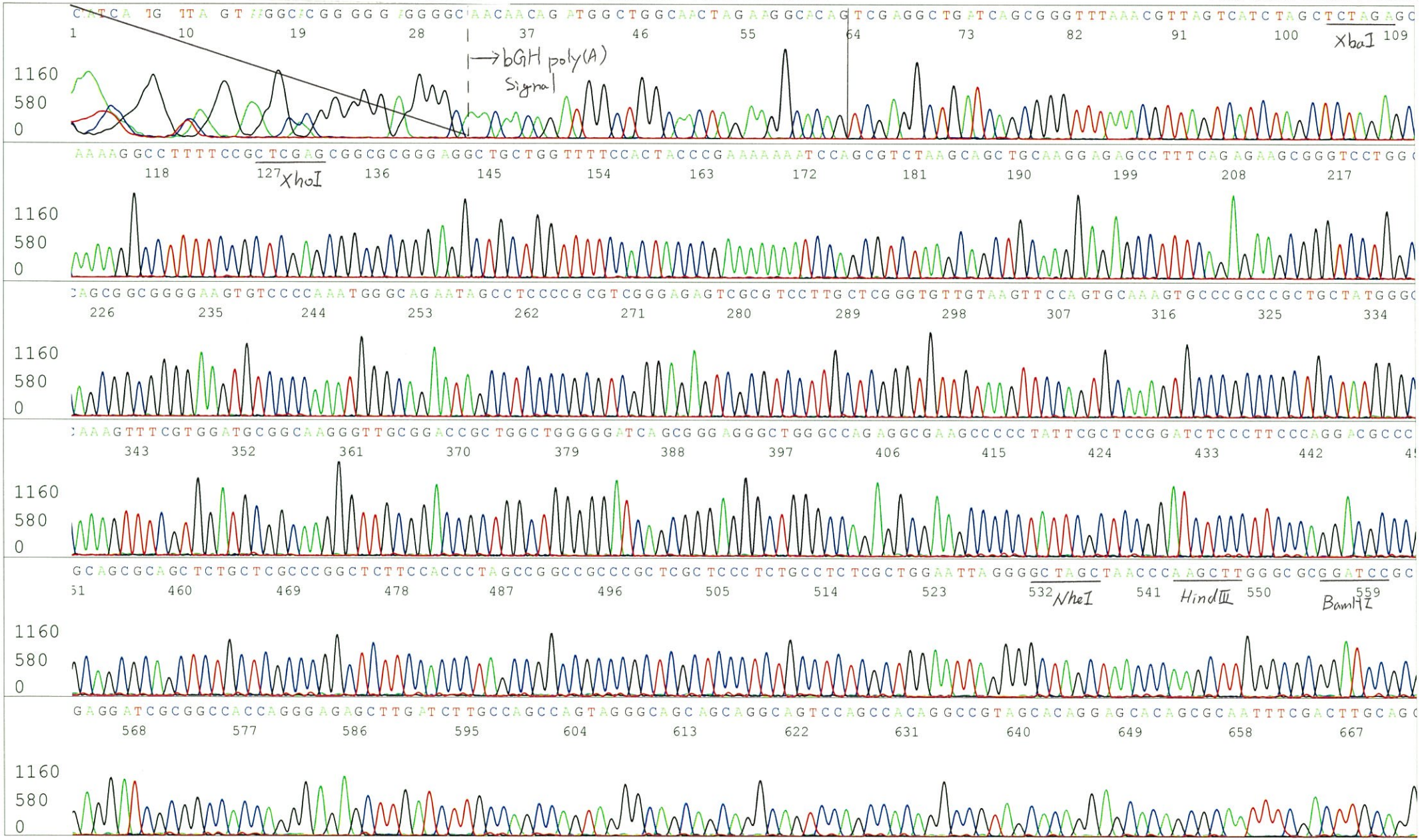
Applied Biosystems

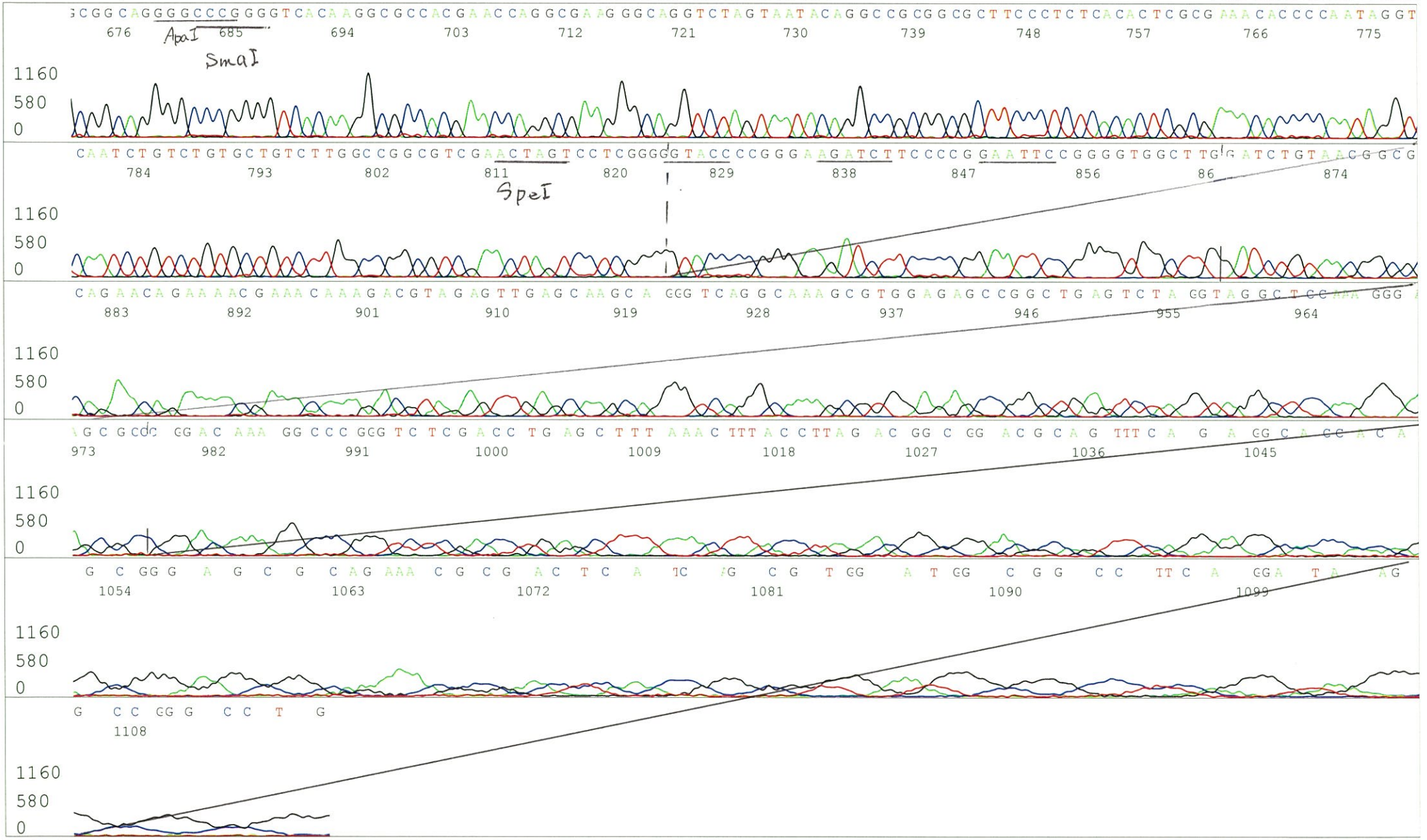
S/N G:55 A:48 T:41 C:74
KB.bcp
KB 1.4.1.8 Cap:8

primer name A : BGH_rev2
5'-TATTAGGAAAGGACAGTGGG-3'

D03160A6_A6Dm_1_BGH_rev2_C02_08
D03160A6_A6Dm_1_BGH_rev2
KB_3500_POP7_BDTv3.mob
Pts 1411 to 12502 Pk1 Loc:1388
Version 6.0 HiSQV Bases: 992

Inst Model/Name 3500/3500 Instrument
Jul 14,2016 03:24PM, JST
Jul 14,2016 03:50PM, JST
Spacing:11.19 Pts/Panel1350
Plate Name: 20160714 kitaku




ApaI
SmaI
SpeI
1160
580
0

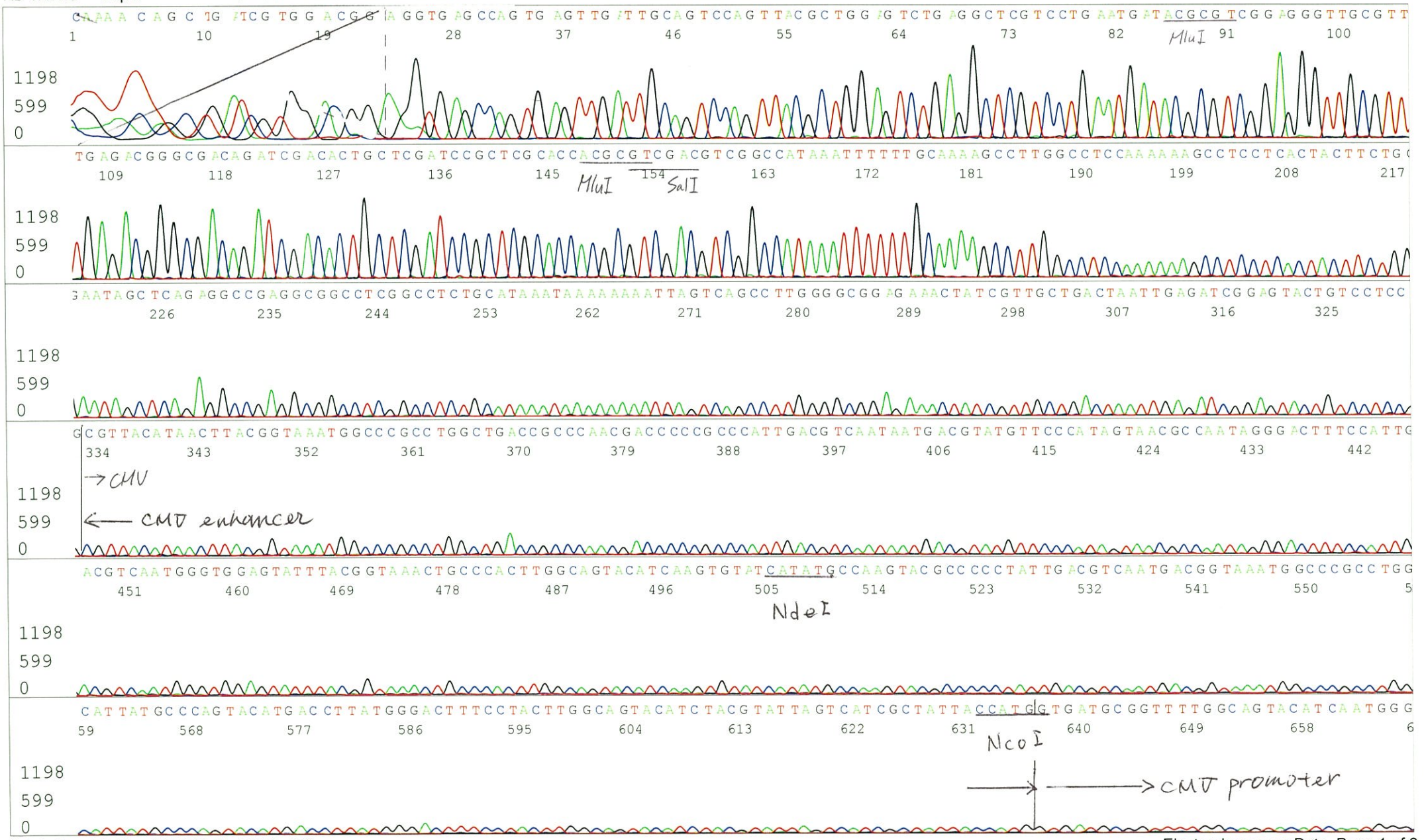
Applied Biosystems

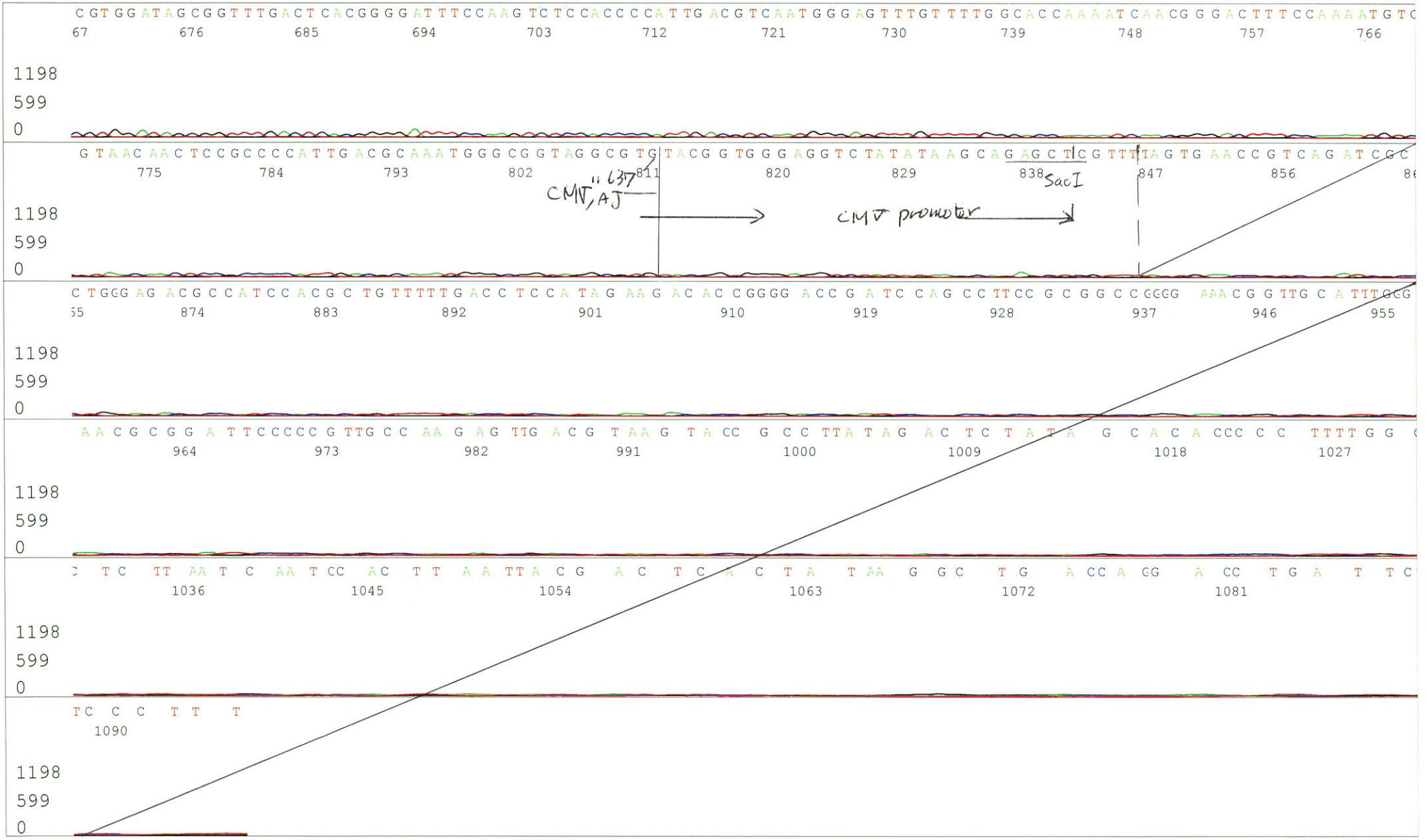
S/N G:471 A:323 T:326 C:355
KB.bcp
KB 1.4.1.8 Cap:8

primer name B : M13fwd
5'-GTAAAACGACGGCCAGT-3'

D03160A6_A6Dm_1_M13fwd_C11_08
D03160A6_A6Dm_1_M13fwd
KB_3500_POP7_BDTv3.mob
Pts 1592 to 12390 Pk1 Loc:1569
Version 6.0 HiSQV Bases: 930

Inst Model/Name 3500/3500 Instrument
May 13,2016 10:26AM, JST
May 13,2016 10:52AM, JST
Spacing:11.45 Pts/Panel1350
Plate Name: 20160513 mix




CMV, AJ
637
SacI
CMV promoter

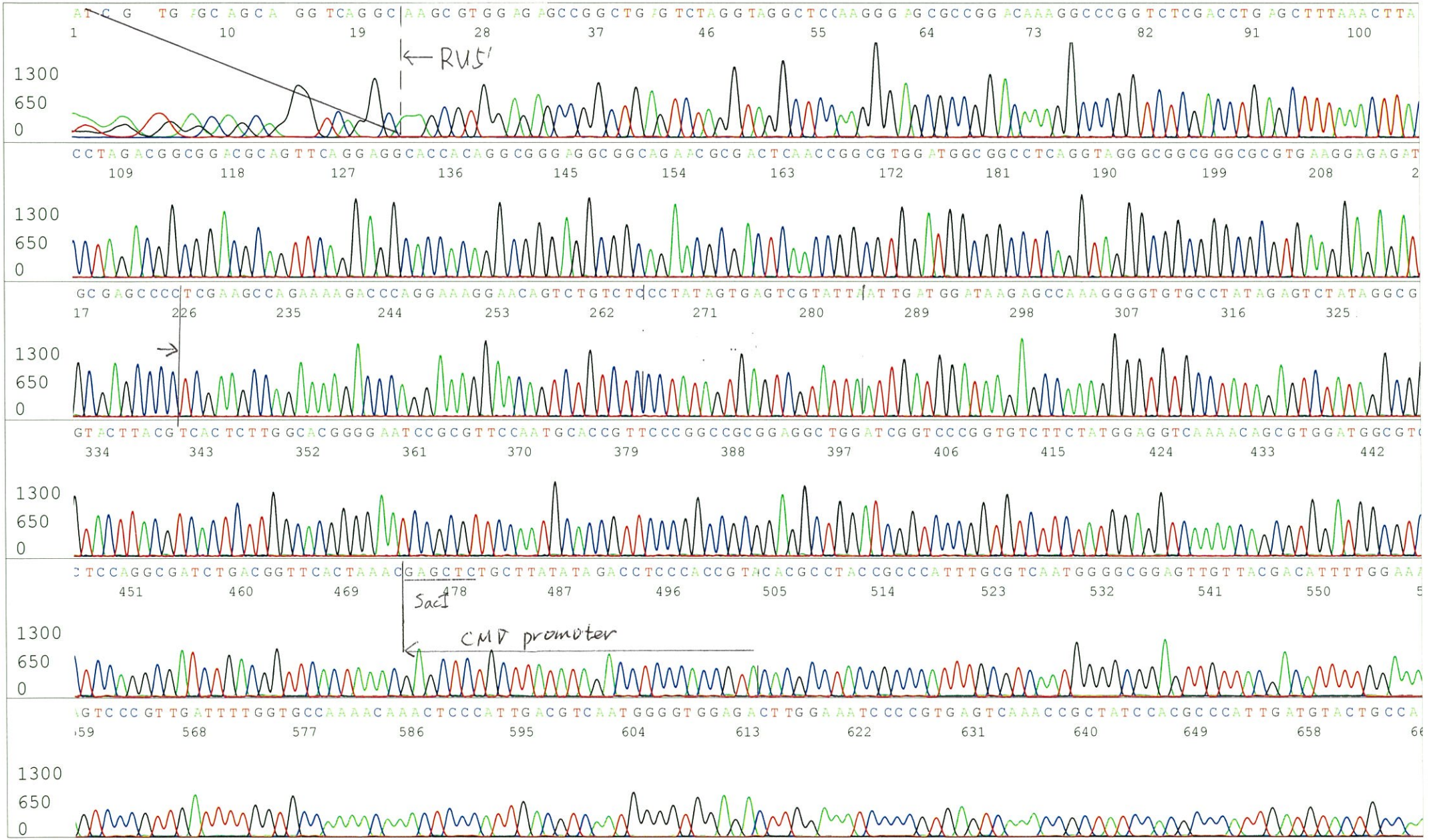
Applied Biosystems

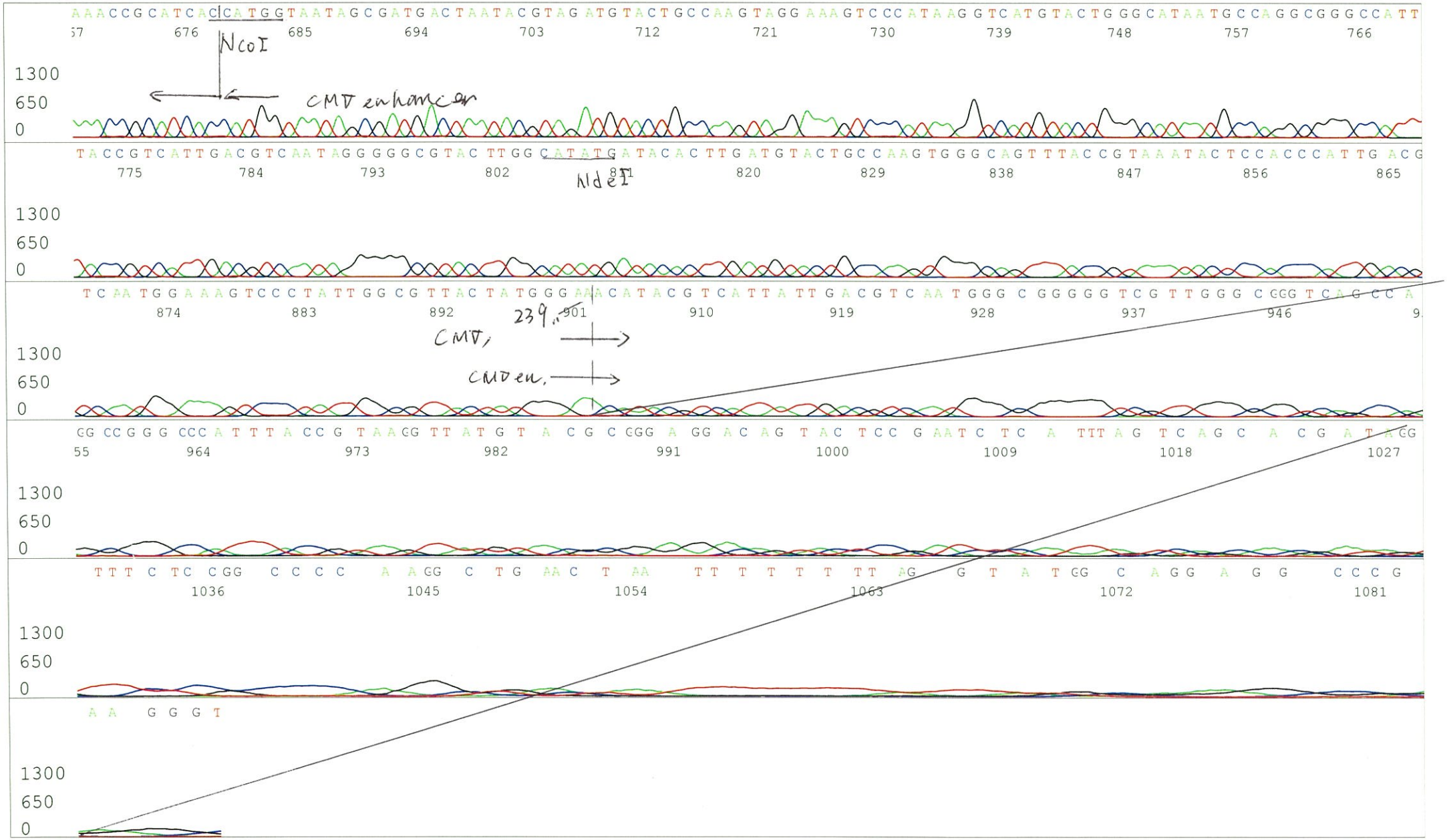
S/N G:737 A:642 T:558 C:838
KB.bcp
KB 1.4.1.8 Cap:11

primer name C : RU5-R
5'-AACGGCGCAGAACAGAAAAC-3'

D03160A6_A6Dm_1_RU5-R_D05_11
D03160A6_A6Dm_1_RU5-R
KB_3500_POP7_BDTv3.mob
Pts 1502 to 12539 Pk1 Loc:1479
Version 6.0 HiSQV Bases: 932

Inst Model/Name 3500/3500 Instrument
Jul 20,2016 09:16AM, JST
Jul 20,2016 09:49AM, JST
Spacing:11.22 Pts/Panel1350
Plate Name: 20160720 kitaku




NcoI
CMV enhancer
NdeI
239
CMV,
CMV en,

Applied Biosystems

S/N G:644 A:450 T:539 C:872
KB.bcp
KB 1.4.1.8 Cap:8

primer name D : BGH_F2
5'-CTGTGCCTTCTAGTTGCCAG-3'

D03160A6_A6Dm_1_BGH_F2_C05_08
D03160A6_A6Dm_1_BGH_F2
KB_3500_POP7_BDTv3.mob
Pts 1524 to 12488 Pk1 Loc:1501
Version 6.0 HiSQV Bases: 952

Inst Model/Name 3500/3500 Instrument
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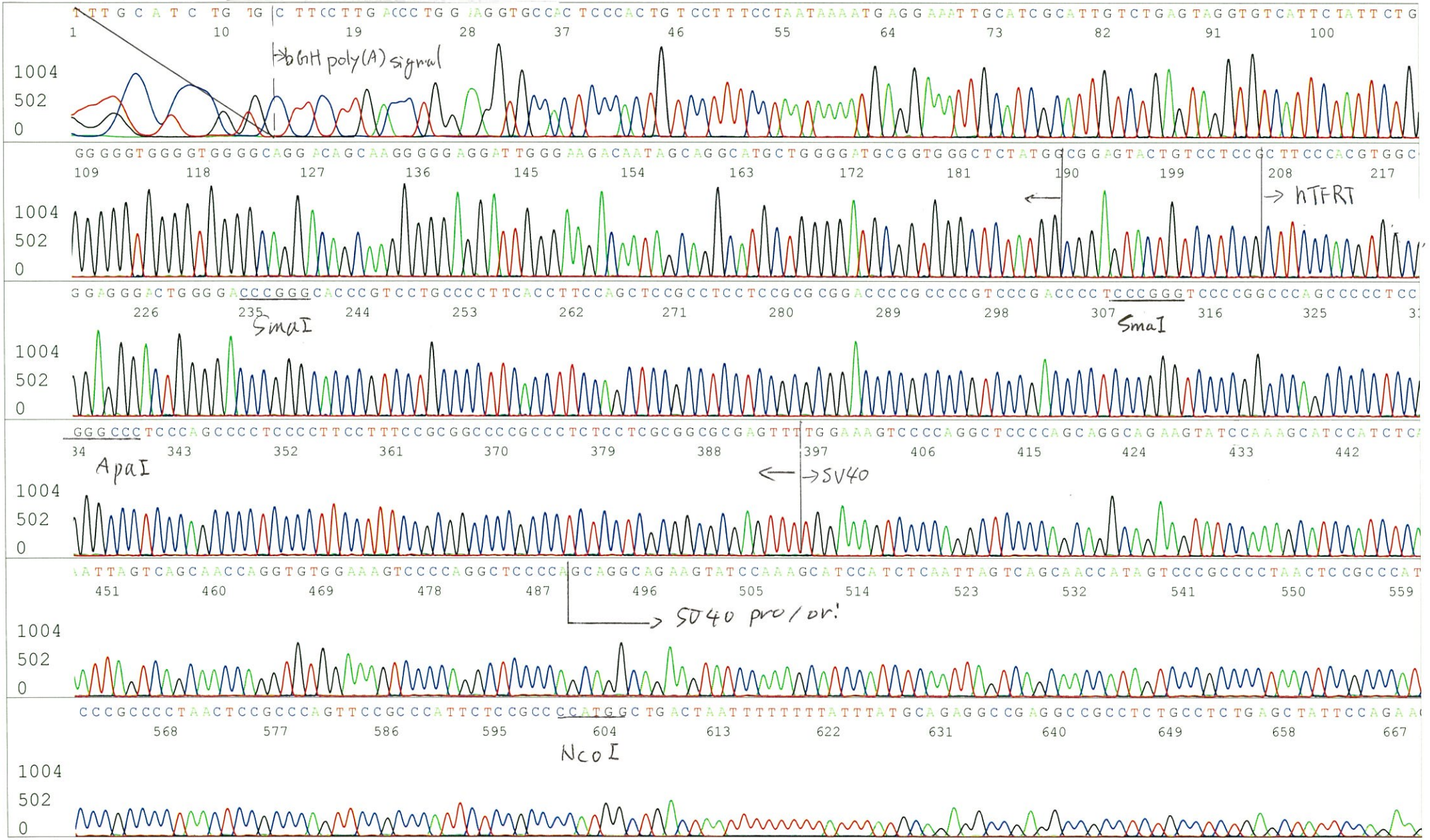
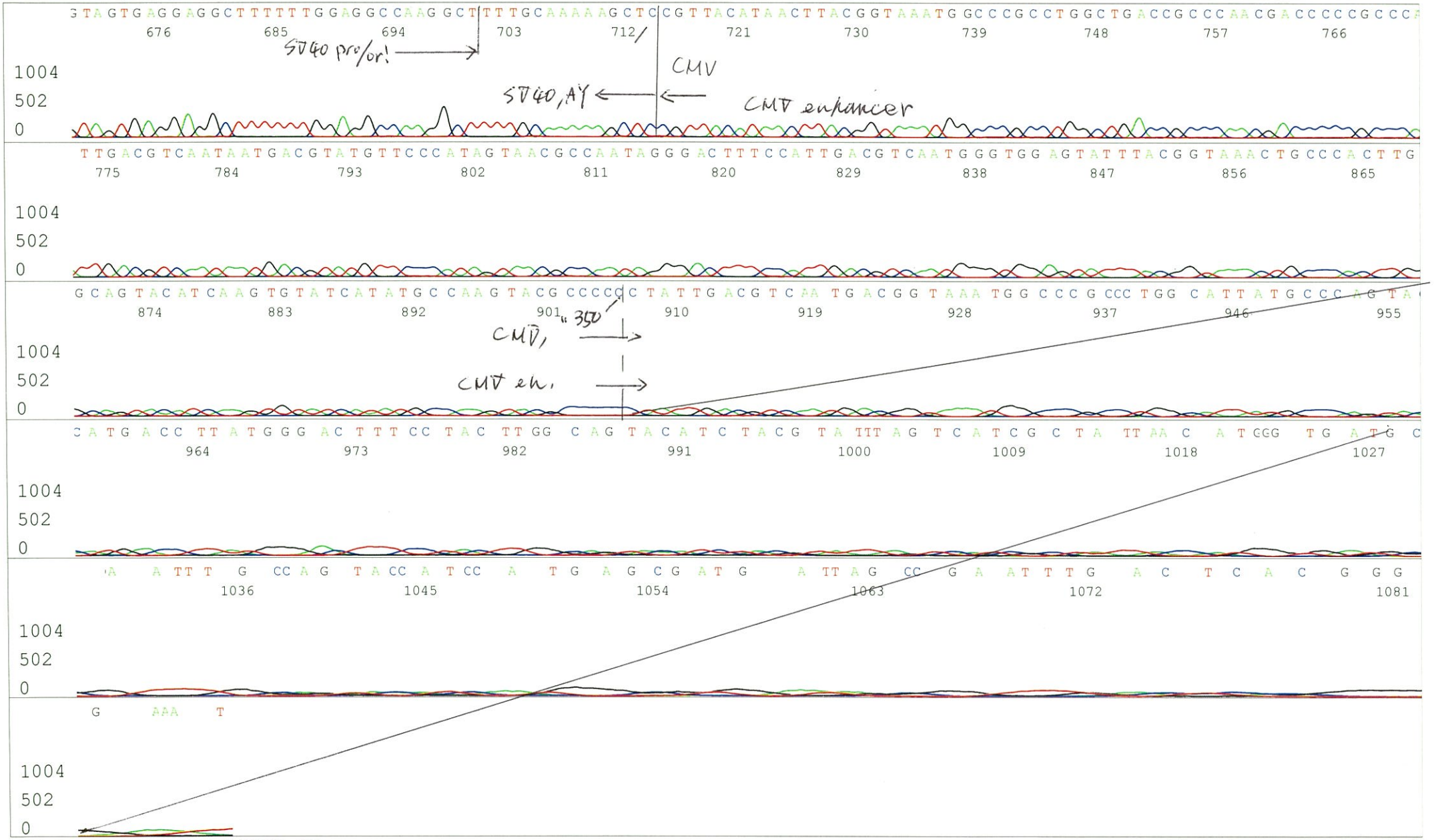
Spacing:11.13 Pts/Panel1350
Plate Name: 20160720 kitaku




SV40 pro/or!
SV40,AY
CMV
CMV enhancer
CMV, "350
CMV en.

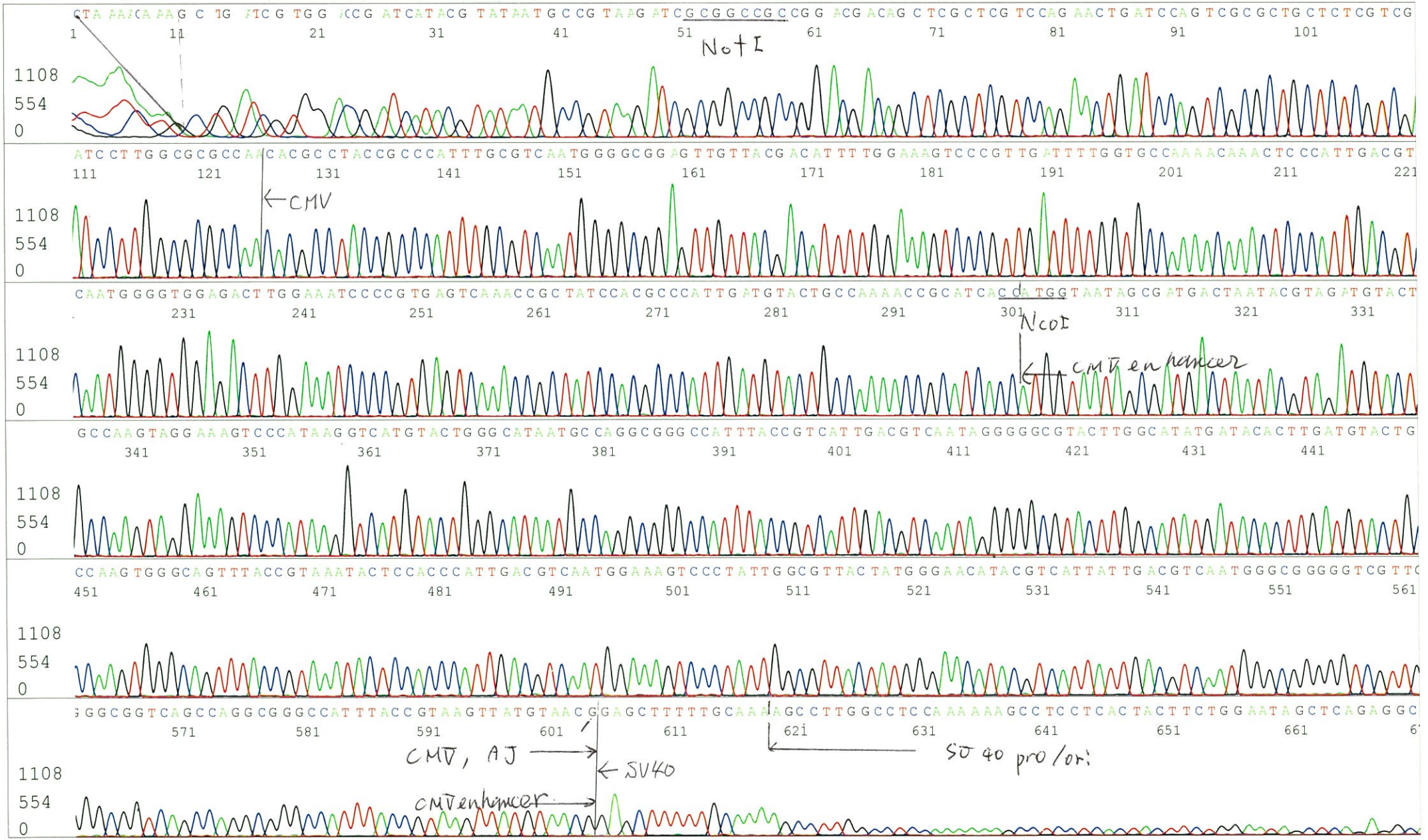
Applied Biosystems

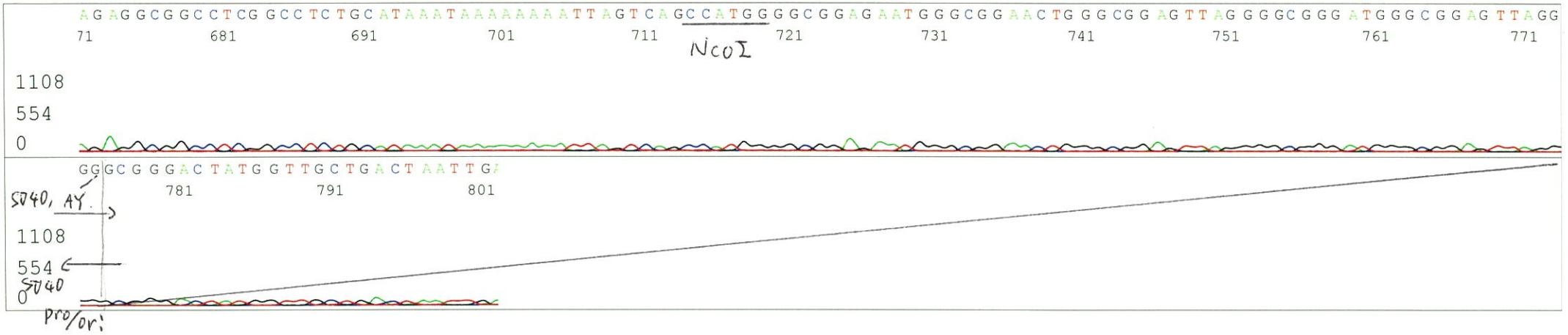
S/N G:194 A:166 T:148 C:159
KB.bcp
KB 1.4.1.8 Cap:11

primer name E : M13R
5'-CAGGAAACAGCTATGAC-3'

D03160A6_A6Dm_1_M13R_D11_11
D03160A6_A6Dm_1_M13R
KB_3500_POP7_BDTv3.mob
Pts 1563 to 10000 Pk1 Loc:1540
Version 6.0 HiSQV Bases: 778

Inst Model/Name 3500/3500 Instrument
May 13,2016 10:26AM, JST
May 13,2016 10:52AM, JST
Spacing:10.84 Pts/Panel1350
Plate Name: 20160513 mix




AGAGGCGGCCTCGGCCTCTGCATAAATAAAAAAAAATTAGTCAGCCATGGGGCGGAGAATGGGCGGAACTGGGCGGAGTTAGGGGCGGGATGGGCGGAGTTAGG
71
681
691
701
711
721
731
741
751
761
771
NcoI
1108
554
0
GGGCGGGACTATGGTTGCTGACTAATTGA
781
791
801
5040, AY.
1108
554
5040
0
pro/or: