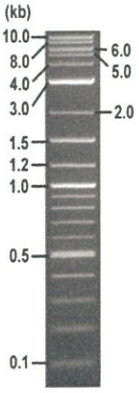
Gene Engineering Division
RIKEN BioResource Center

RIKEN DNA BANK

clone name : ARF4-mCherry

- Clone ID : RDB _ 15156
- Lot : 15156 _ A7FI
- 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

2-Log DNA Ladder
(NEB#N3200L),
125 ng/well



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

Restriction enzyme		Expected size of fragment	
BglII	:	5.2	kbp
BamHI	:	5.2	kbp
BglII + BamHI	:	4.7, 0.6	kbp
	:		kbp
	:		kbp

- Confirmation of the insertion sequence

Sequence name	Primer name	Sequence name	Primer name
Sequence - A	CMV-Forward	Sequence - E	-
Sequence - B	SV40polyA-R	Sequence - F	-
Sequence - C	SV40pro_F_V2	Sequence - G	-
Sequence - D	-	Sequence - H	-

APPROVED BY : 確認 17.9.08 金藤

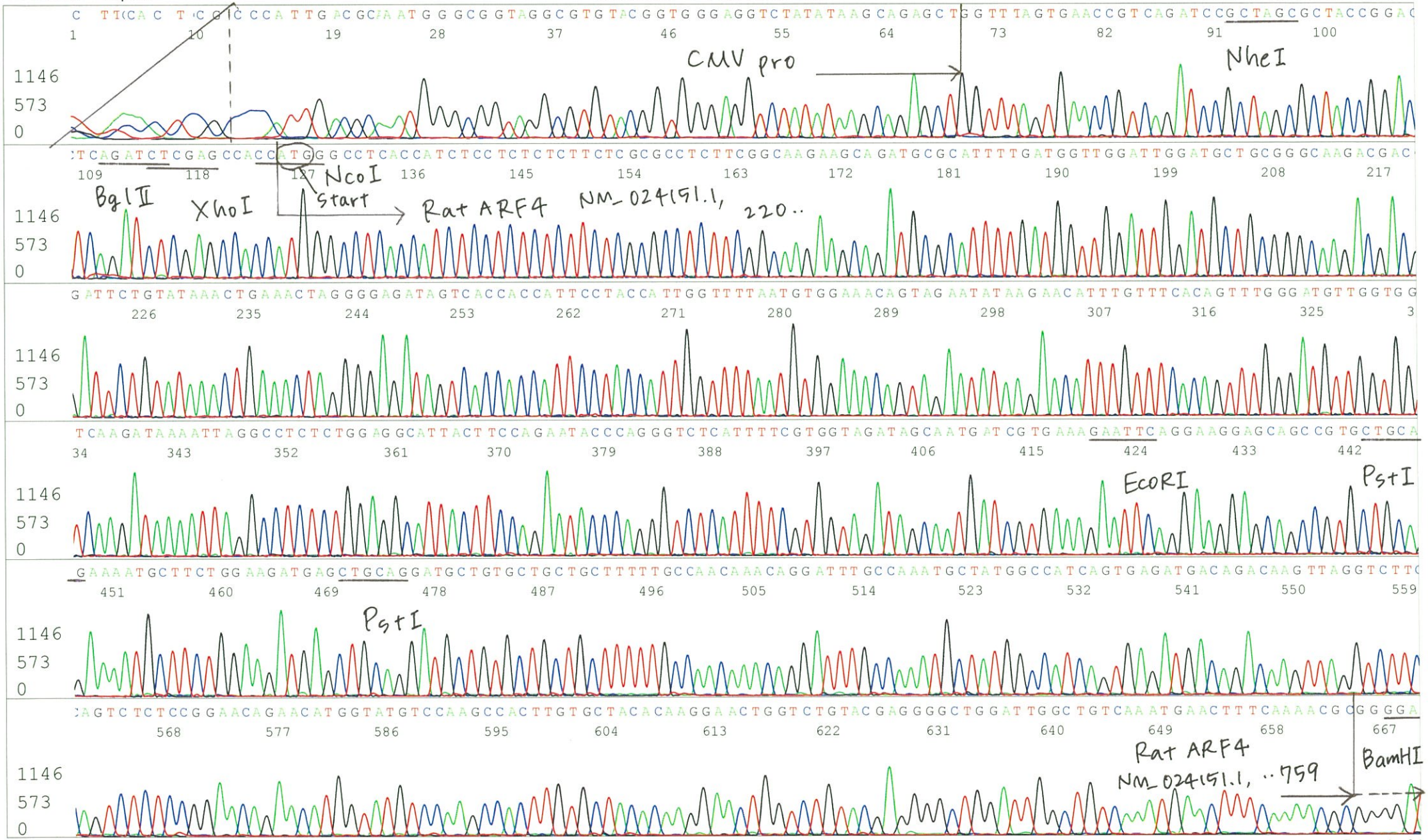
Applied Biosystems

S/N G:138 A:238 T:183 C:242
KB.bcp
KB 1.4.1.8 Cap:23

primer name A : CMV-Forward
5'- GCACCAAAATCAACGGGACTT -3'

D04425A5_A7FI_1_CMV-Forward_H08_23_ABI24
D04425A5_A7FI_1_CMV-Forward
KB_3500_POP7_BDTv3.mob
Pts 1507 to 13002 Pk1 Loc:1484
Version 6.0 HiSQV Bases: 959

Inst Model/Name 3500/3500 Instrument
Jun 28,2017 02:06PM, JST
Jun 28,2017 02:33PM, JST
Spacing:11.65 Pts/Panel1350
Plate Name: 20170628_kitaku



Applied Biosystems

S/N G:138 A:238 T:183 C:242
KB.bcp
KB 1.4.1.8 Cap:23

D04425A5_A7FI_1_CMV-Forward_H08_23_ABI24
D04425A5_A7FI_1_CMV-Forward
KB_3500_POP7_BDTv3.mob
Pts 1507 to 13002 Pk1 Loc:1484
Version 6.0 HiSQV Bases: 959

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Jun 28,2017 02:06PM, JST
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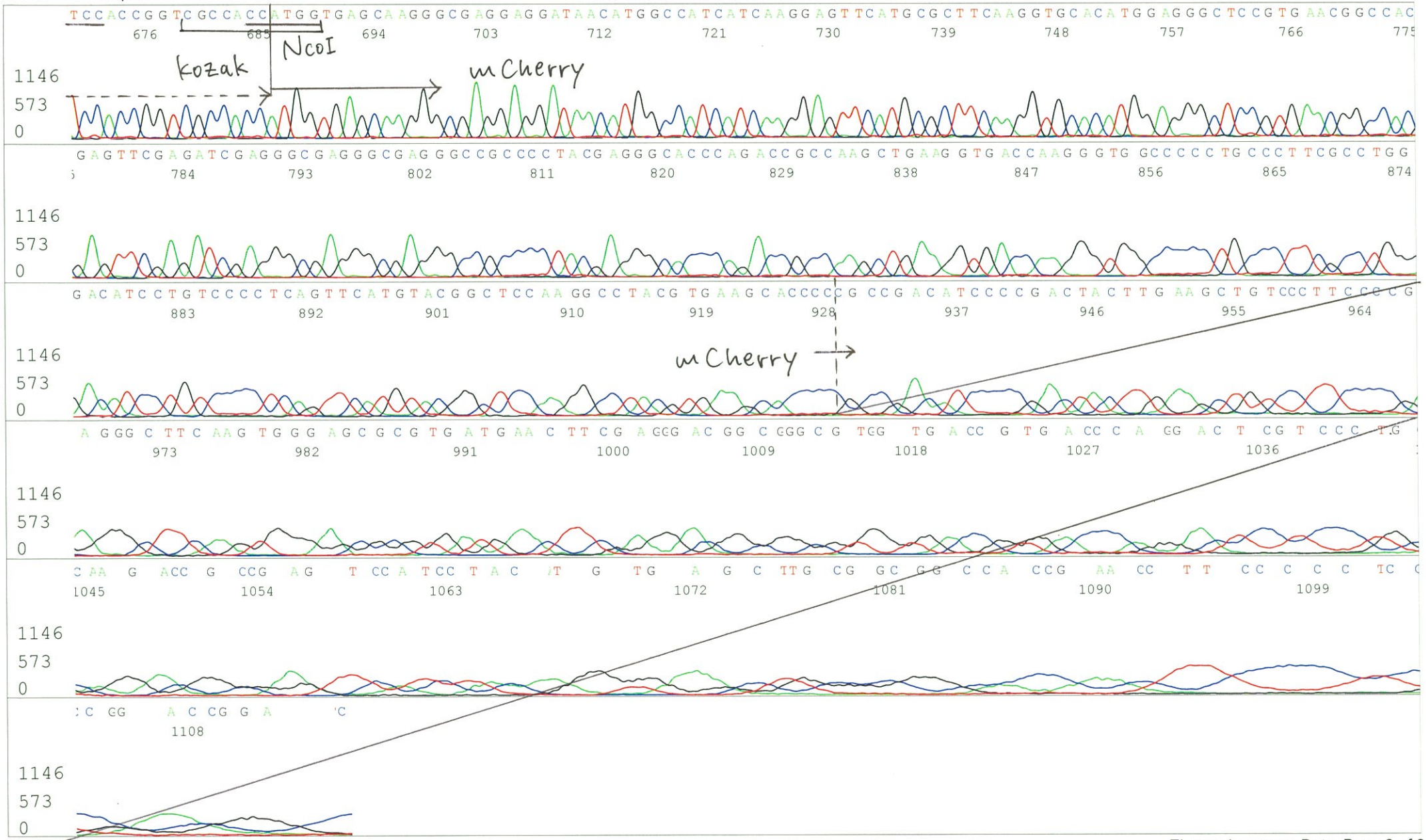
Plate Name: 20170628_kitaku



Applied Biosystems

S/N G:99 A:105 T:125 C:161
KB.bcp
KB 1.4.1.8 Cap:3

primer name B : SV40polyA-R
5'- TCATTTTATGTTTCAGGTTC -3'

D04425A5_A7FI_1_SV40polyA-R_A09_03_ABI24
D04425A5_A7FI_1_SV40polyA-R
KB_3500_POP7_BDTv3.mob
Pts 1546 to 13096 Pk1 Loc:1523
Version 6.0 HiSQV Bases: 982

Inst Model/Name 3500/3500 Instrument
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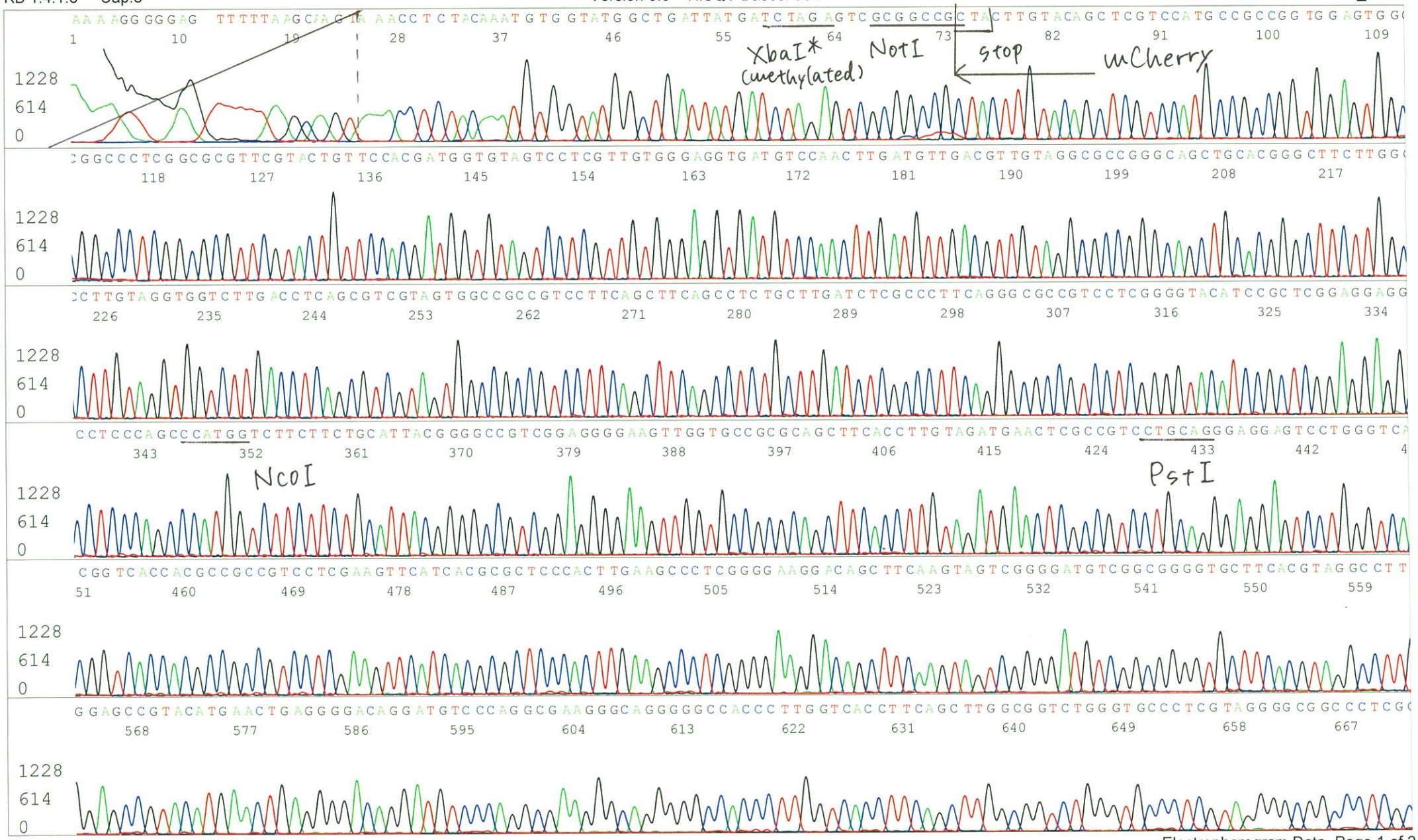
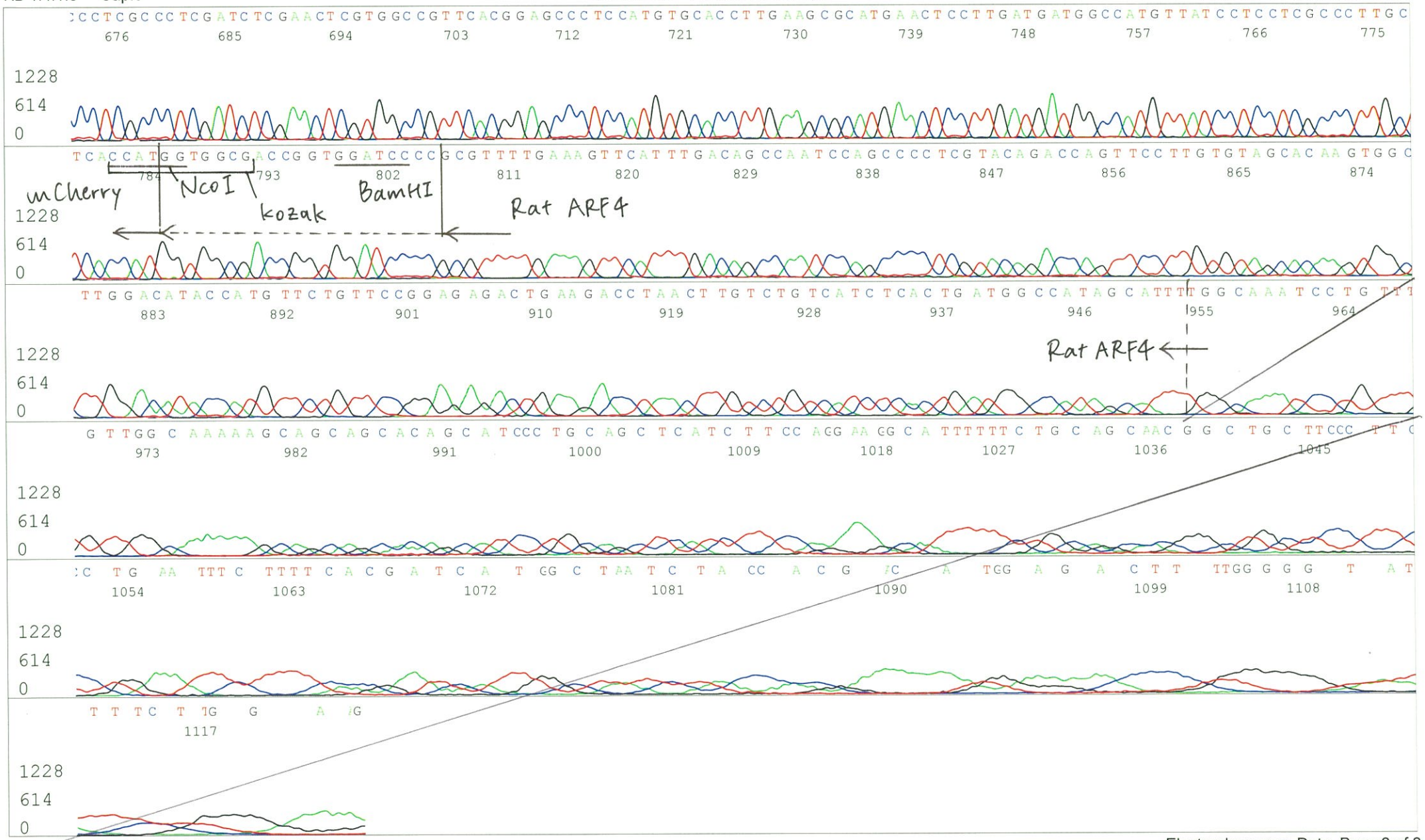
Jun 28,2017 02:33PM, JST
Spacing:11.62 Pts/Panel1350
Plate Name: 20170628_kitaku




mCherry
NcoI
kozak
BamHI
Rat ARF4
Rat ARF4

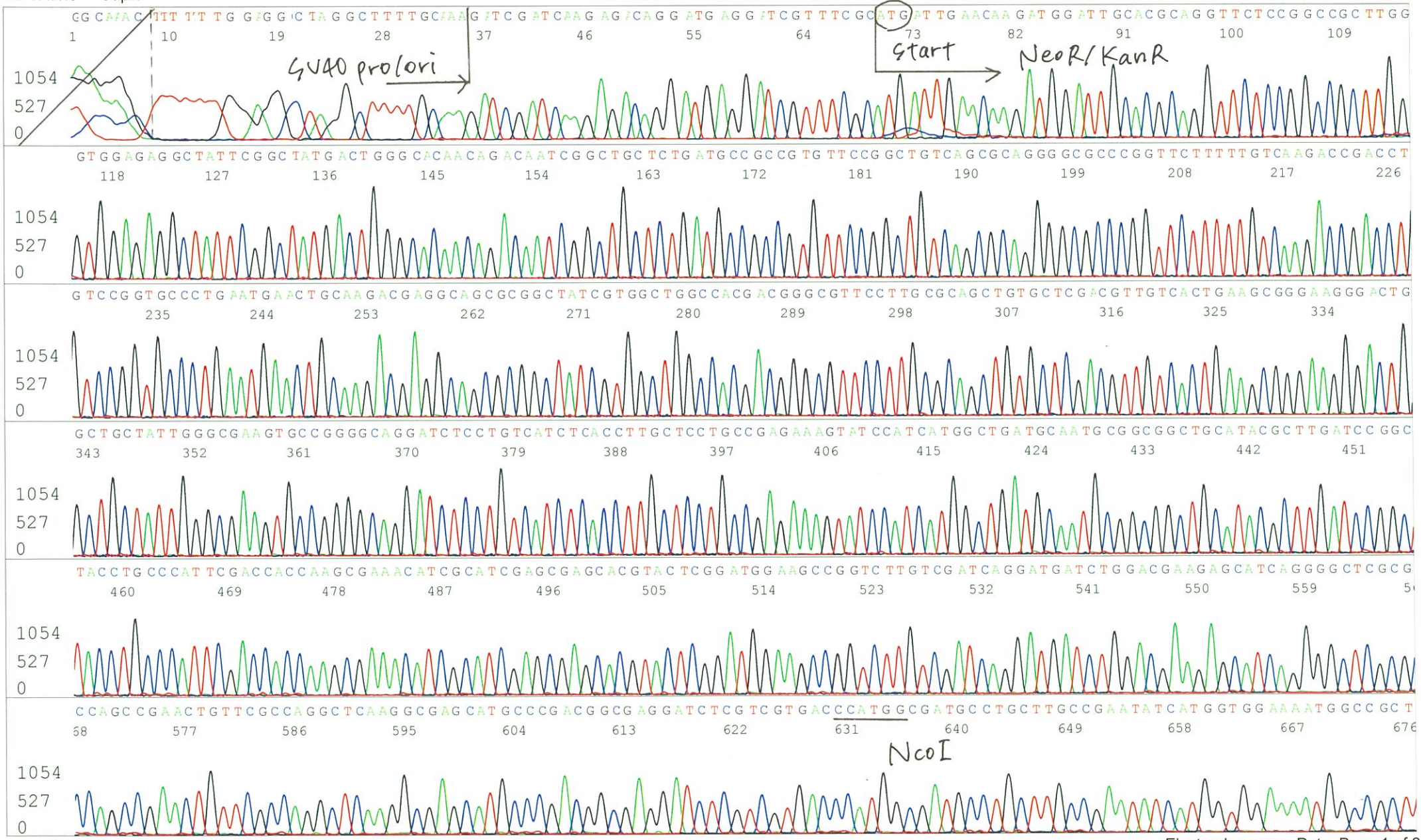
Applied Biosystems

S/N G:70 A:84 T:68 C:106
KB.bcp
KB 1.4.1.8 Cap:6

primer name C : SV40pro_F_V2
5'- TCGGCCTCTGAGCTATTC -3'

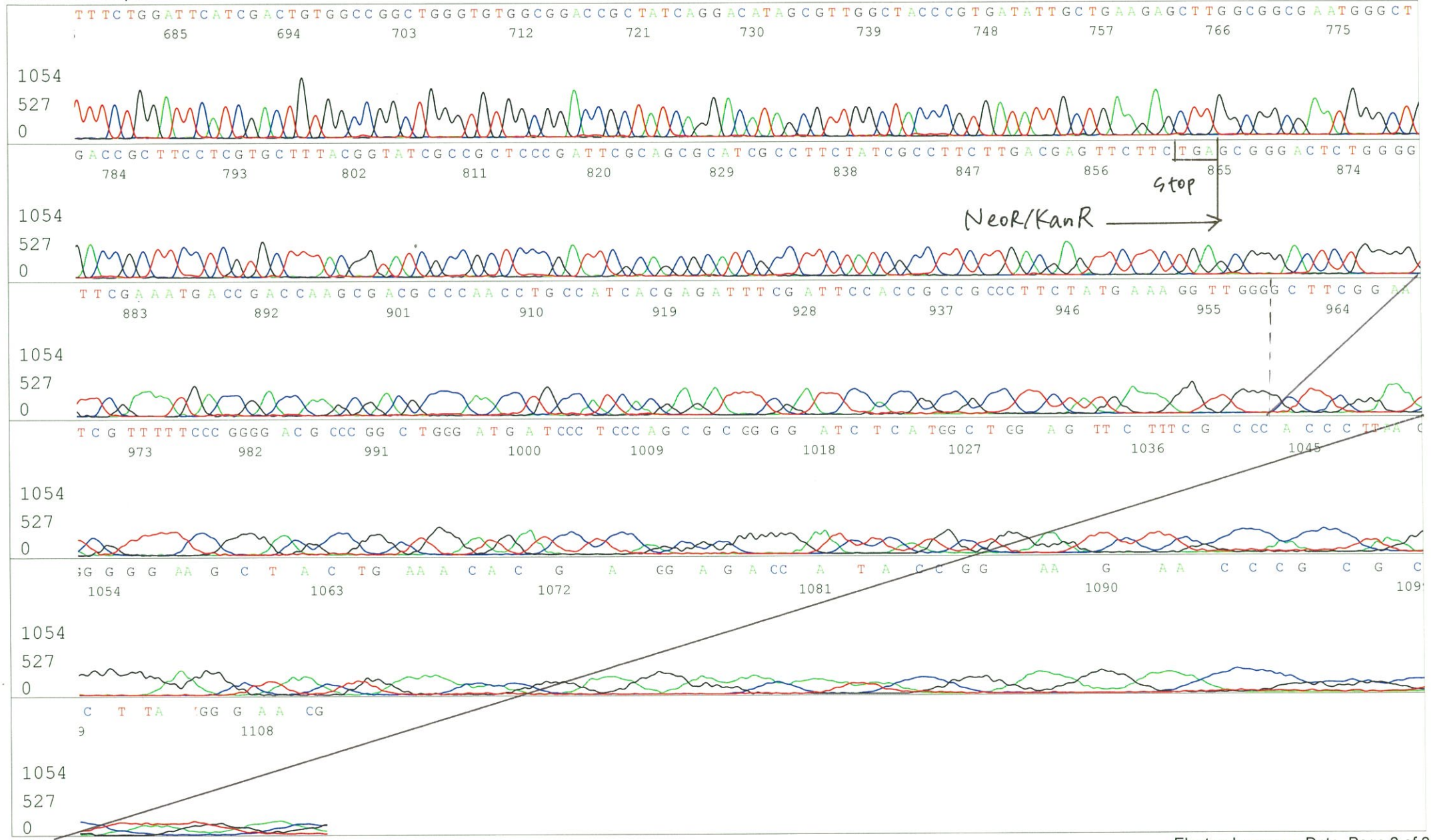
D04425A5_A7FI_1_SV40pro_F_V2_B09_06_ABI24
D04425A5_A7FI_1_SV40pro_F_V2
KB_3500_POP7_BDTv3.mob
Pts 1548 to 13022 Pk1 Loc:1525
Version 6.0 HiSQV Bases: 982

Inst Model/Name 3500/3500 Instrument
Jun 28,2017 02:06PM, JST
Jun 28,2017 02:33PM, JST
Spacing:11.65 Pts/Panel1350
Plate Name: 20170628_kitaku



Applied Biosystems

S/N G:70 A:84 T:68 C:106
KB.bcp
KB 1.4.1.8 Cap:6

D04425A5_A7FI_1_SV40pro_F_V2_B09_06_ABI24
D04425A5_A7FI_1_SV40pro_F_V2
KB_3500_POP7_BDTv3.mob
Pts 1548 to 13022 Pk1 Loc:1525
Version 6.0 HiSQV Bases: 982

Inst Model/Name 3500/3500 Instrument
Jun 28,2017 02:06PM, JST
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Spacing:11.65 Pts/Panel1350
Plate Name: 20170628_kitaku