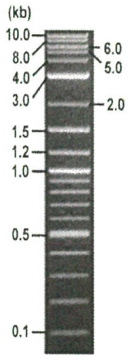
Gene Engineering Division
RIKEN BioResource Research Center

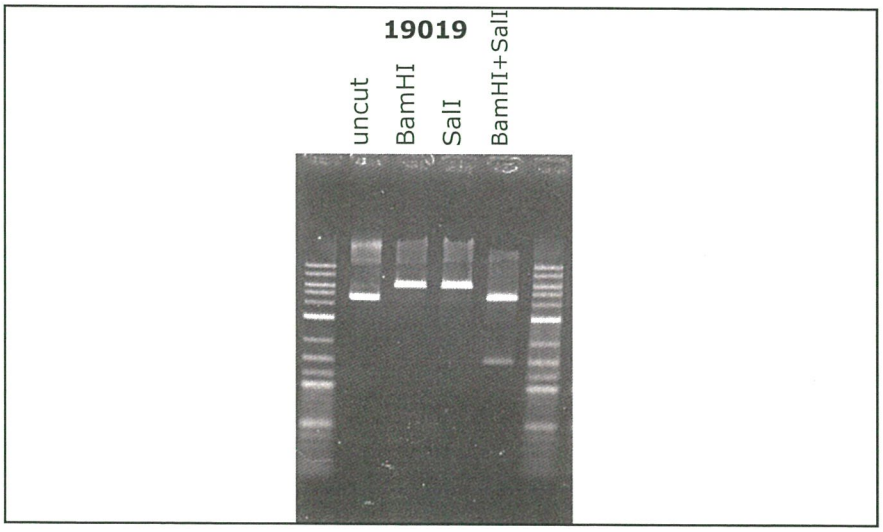
RIKEN DNA BANK

clone name : pMXs-3xFLAG-KLF4(S500A)

- **Clone ID** : RDB _ 19019
- **Lot** : 19019 _ B1Ec
- **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	:	**6.1**	kbp
SalI	:	**6.1**	kbp
BamHI+SalI	:	**4.6, 1.5**	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	Pr0352	MMLV-pol_F	pol region,insert 5'(3xFLAG,hKLF4(S500A) 5')
Sequence - B	Pr1009	hKLF4-mut check_R2	insert 3'(hKLF4(S500A) 3',3' LTR
Sequence - C	Pr0365	pMXs-3LTRup_R2	insert 3'(hKLF4(S500A) 3'
Sequence - D	Pr0745	gag-N_R	MMLV psi,5' LTR
Sequence - E	Pr0724	laclpro-B_F	3' LTR
Sequence - F	-	-	-
Sequence - G	-	-	-
Sequence - H	-	-	-

APPROVED BY :

確認
23.5.31
岸川

Applied Biosystems

S/N G:141 A:83 T:59 C:103
KB.bcp
KB 1.4.1.8 Cap:1

primer name A : MMLV-pol_F
5'-AGGACCTTACACAGTCCTGCTG-3'

D07716B7_B1Ec_1_MMLV-pol_F_A01_01_ABI24
D07716B7_B1Ec_1_MMLV-pol_F
KB_3500_POP7_BDTv3.mob
Pts 1433 to 13835 Pk1 Loc:1410
Version 6.0 HiSQV Bases: 959

Inst Model/Name 3500/3500 Instrument
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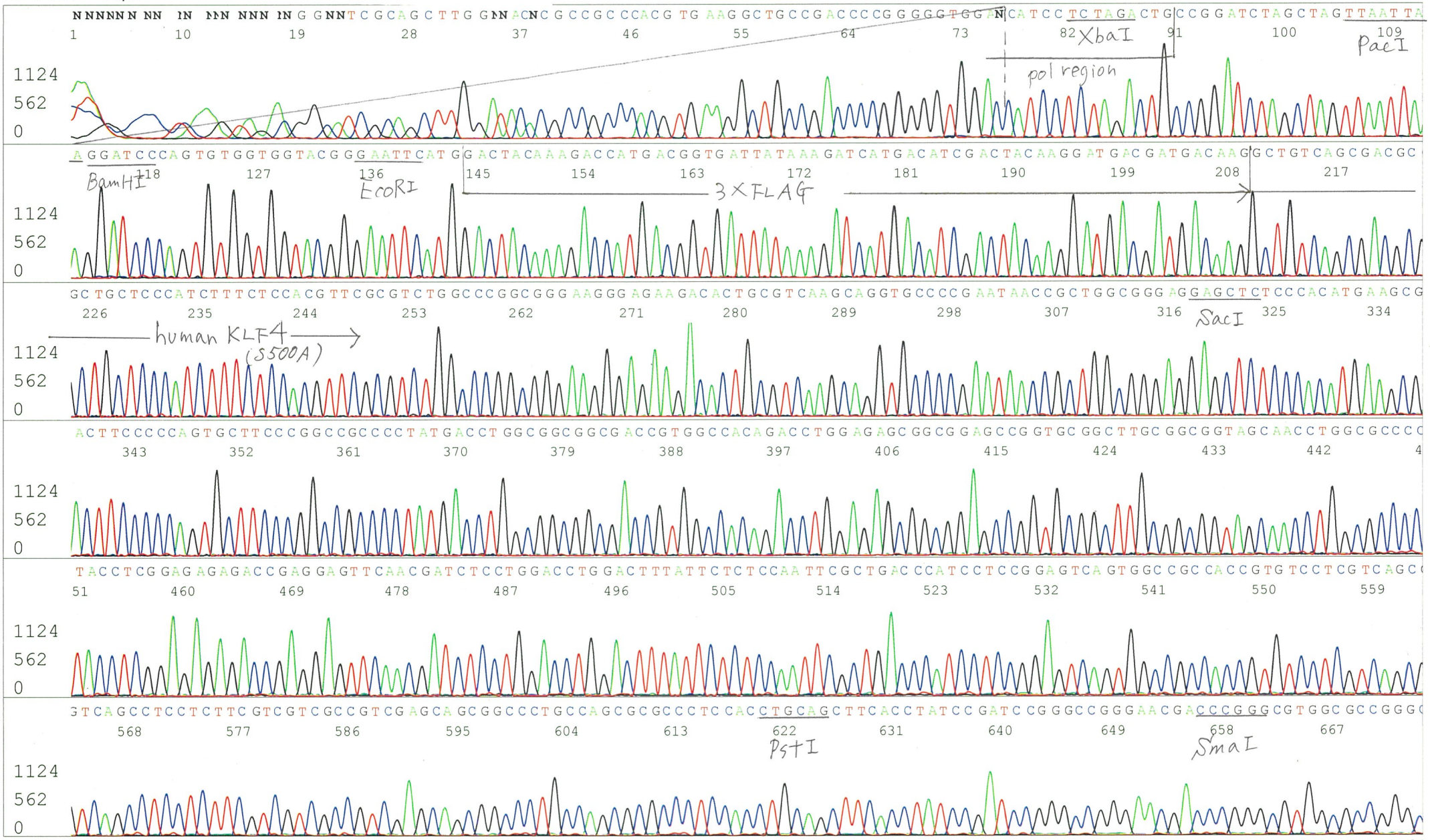
Jul 16,2021 09:58AM, JST
Spacing:12.22 Pts/Panel1350
Plate Name: 20210716_kitaku



Applied Biosystems

S/N G:141 A:83 T:59 C:103
KB.bcp
KB 1.4.1.8 Cap:1

D07716B7_B1Ec_1_MMLV-pol_F_A01_01_ABI24
D07716B7_B1Ec_1_MMLV-pol_F
KB_3500_POP7_BDTv3.mob
Pts 1433 to 13835 Pk1 Loc:1410
Version 6.0 HiSQV Bases: 959

Inst Model/Name 3500/3500 Instrument
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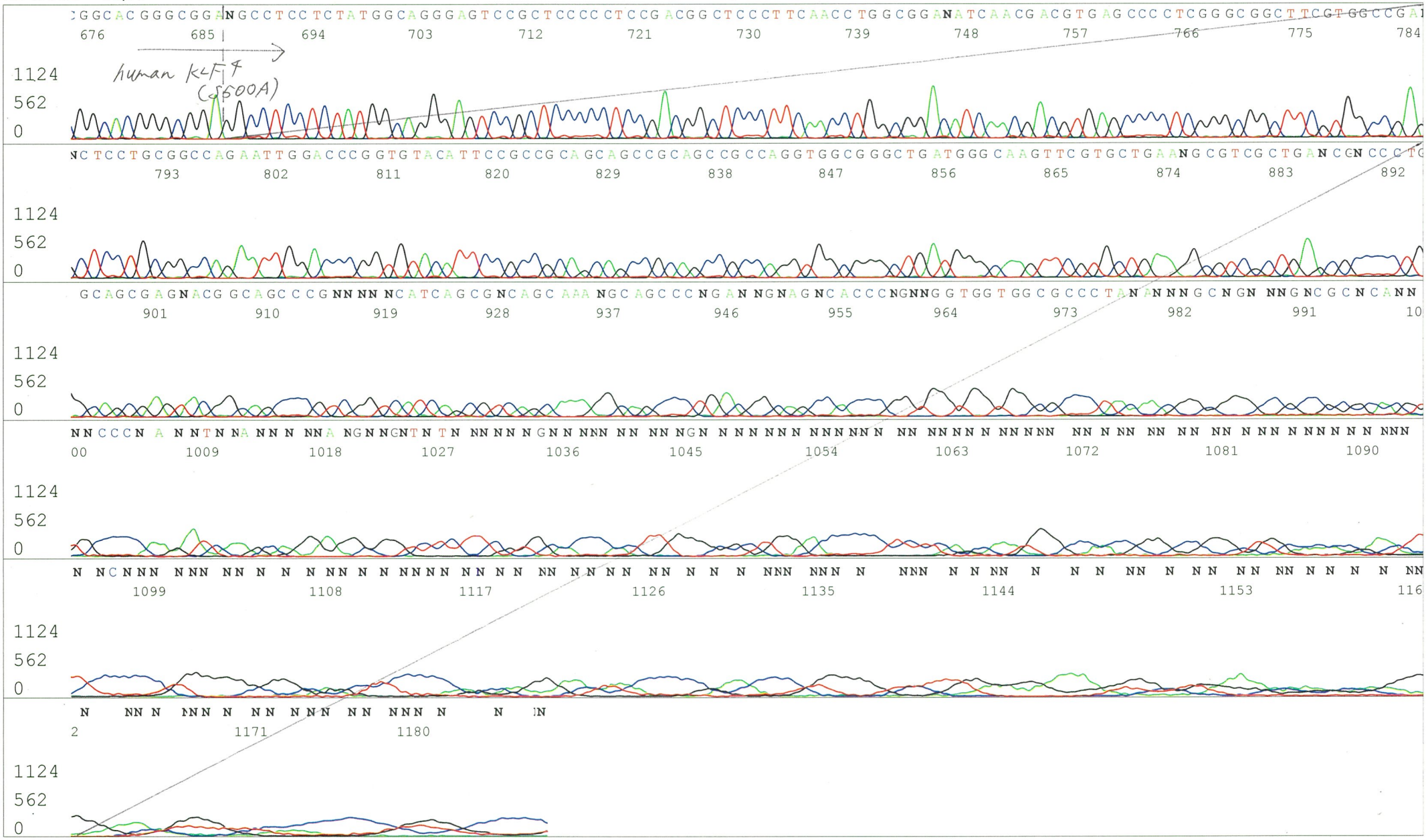

Printed on: Fri Jul 16,2021 11:38AM, JST

Applied Biosystems

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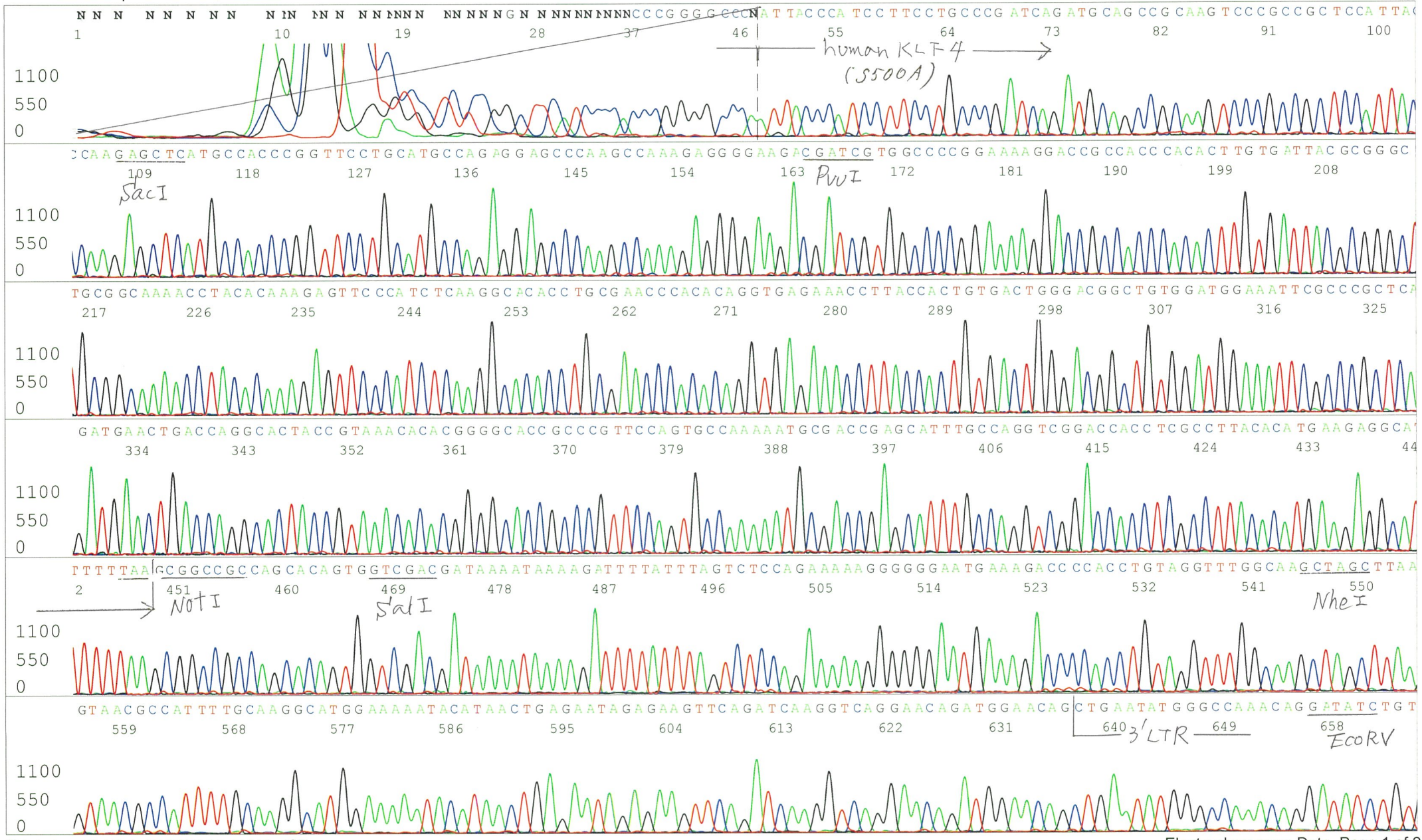
KB_3500_POP7_BDTv3.mob
Pts 1284 to 13095 Pk1 Loc:1261
Version 6.0 HiSQV Bases: 910

Inst Model/Name 3500/3500 Instrument
Feb 16,2023 02:23PM, JST
Feb 16,2023 02:50PM, JST
Spacing:11.72 Pts/Panel1350
Plate Name: 20230216_mix

S/N G:168 A:169 T:108 C:176
KB.bcp
KB 1.4.1.8 Cap:5

primer name B: hKLF4-mut check_R2
5'-GCTGAGCAGCAGGGACTG-3'



Applied Biosystems

S/N G:168 A:169 T:108 C:176
KB.bcp
KB 1.4.1.8 Cap:5

D07716B7_B1Ec_1_hKLF4-mut check_R2_B02_05_ABI24
D07716B7_B1Ec_1_hKLF4-mut check_R2
KB_3500_POP7_BDTv3.mob
Pts 1284 to 13095 Pk1 Loc:1261
Version 6.0 HiSQV Bases: 910

Inst Model/Name 3500/3500 Instrument
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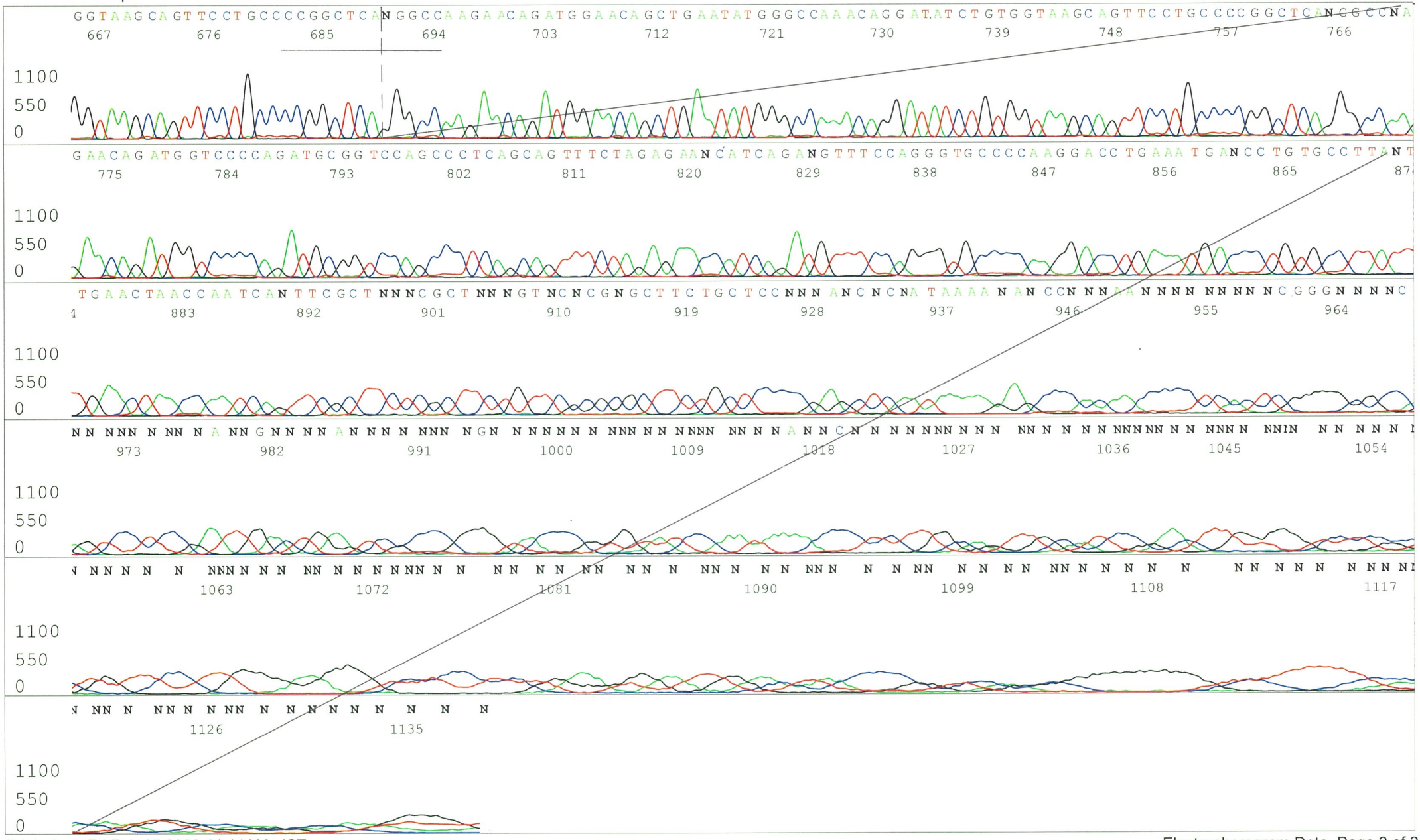
Spacing:11.72 Pts/Panel1350
Plate Name: 20230216_mix



Applied Biosystems

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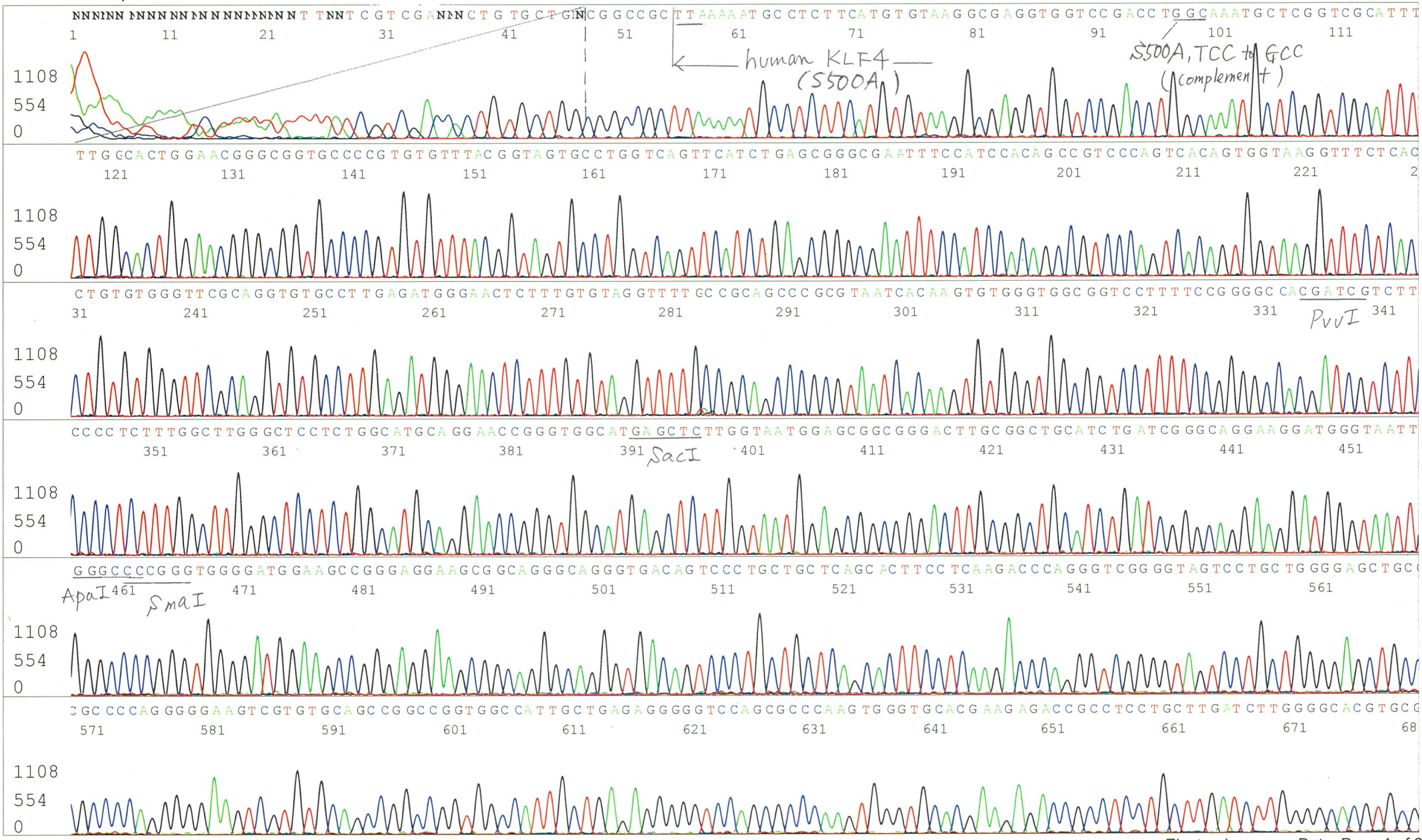
KB_3500_POP7_BDTv3.mob
Pts 1452 to 13917 Pk1 Loc:1429
Version 6.0 HiSQV Bases: 975

Inst Model/Name 3500/3500 Instrument
Jul 16,2021 09:31AM, JST
Jul 16,2021 09:58AM, JST
Spacing:12.34 Pts/Panel1350
Plate Name: 20210716_kitaku

S/N G:41 A:19 T:20 C:27
KB.bcp
KB 1.4.1.8 Cap:4

primer name C : pMXs-3LTRup_R2
5'- TGGGGTCTTCATTCCCCCC -3'



Applied Biosystems

S/N G:41 A:19 T:20 C:27
KB.bcp
KB 1.4.1.8 Cap:4

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D07716B7_B1Ec_1_pMXs-3LTRup_R2
KB_3500_POP7_BDTv3.mob
Pts 1452 to 13917 Pk1 Loc:1429
Version 6.0 HiSQV Bases: 975

Inst Model/Name 3500/3500 Instrument
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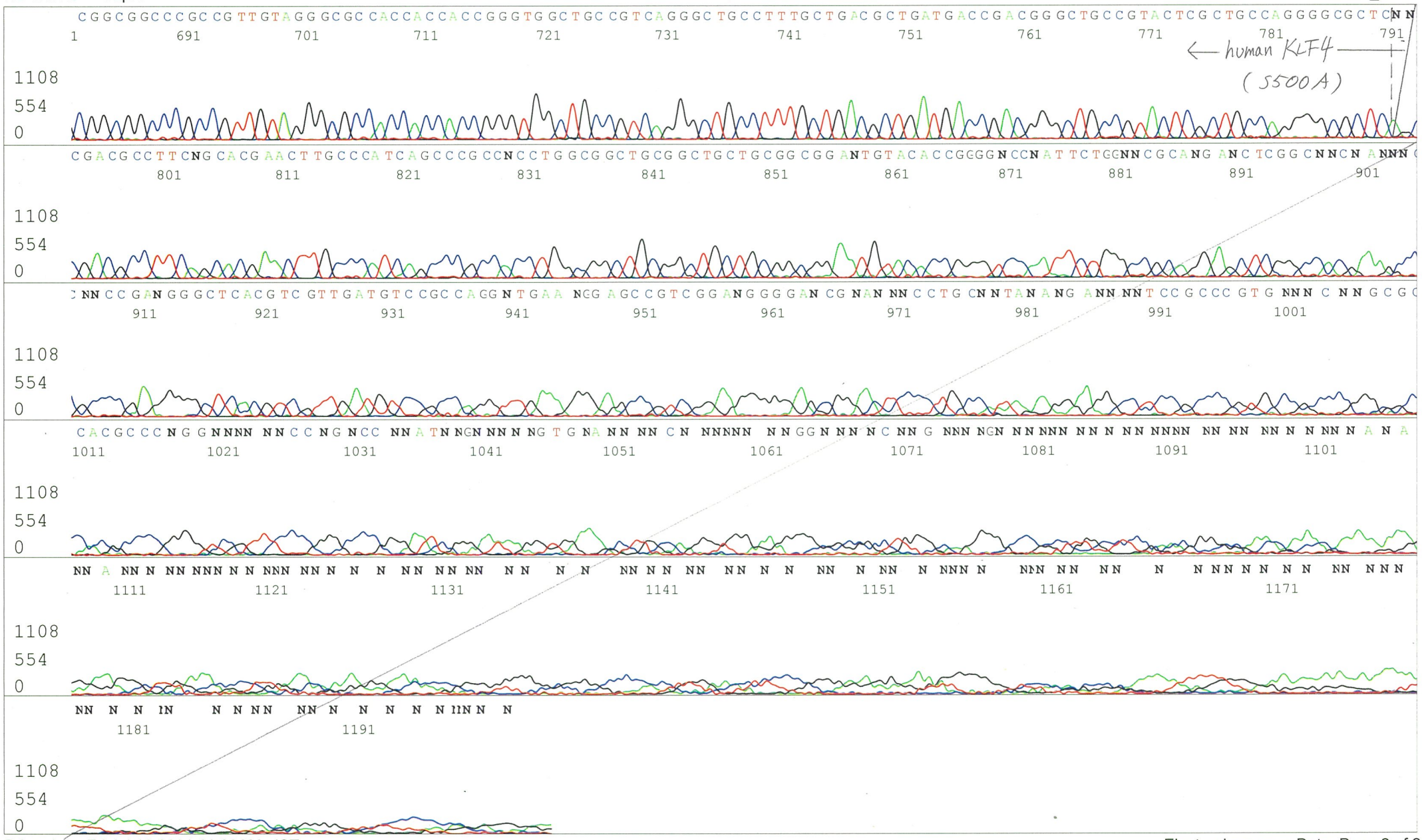
Jul 16,2021 09:58AM, JST
Spacing:12.34 Pts/Panel1350
Plate Name: 20210716_kitaku



Applied Biosystems

S/N G:45 A:36 T:26 C:34
KB.bcp
KB 1.4.1.8 Cap:7

primer name D : gag-N_R
5'-ACATCTTTCCAGTGACCTAAG-3'

D07716B7_B1Ec_1_gag-N_R_C01_07_ABI24
D07716B7_B1Ec_1_gag-N_R
KB_3500_POP7_BDTv3.mob
Pts 1443 to 13699 Pk1 Loc:1420
Version 6.0 HiSQV Bases: 966

Inst Model/Name 3500/3500 Instrument
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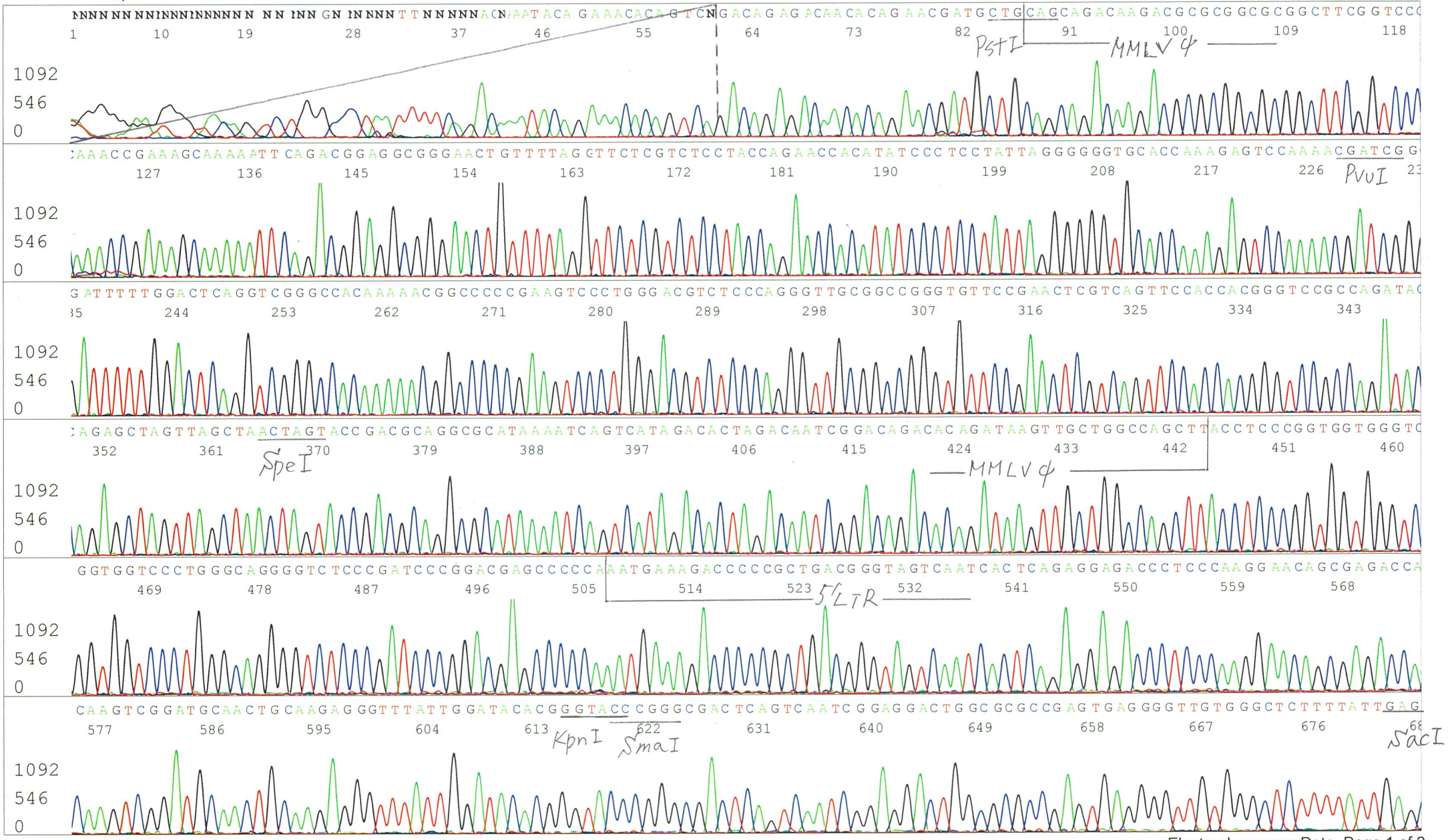
Spacing:12.22 Pts/Panel1350
Plate Name: 20210716_kitaku



Applied Biosystems

S/N G:45 A:36 T:26 C:34
KB.bcp
KB 1.4.1.8 Cap:7

D07716B7_B1Ec_1_gag-N_R_C01_07_ABI24
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KB_3500_POP7_BDTv3.mob
Pts 1443 to 13699 Pk1 Loc:1420
Version 6.0 HiSQV Bases: 966

Inst Model/Name 3500/3500 Instrument
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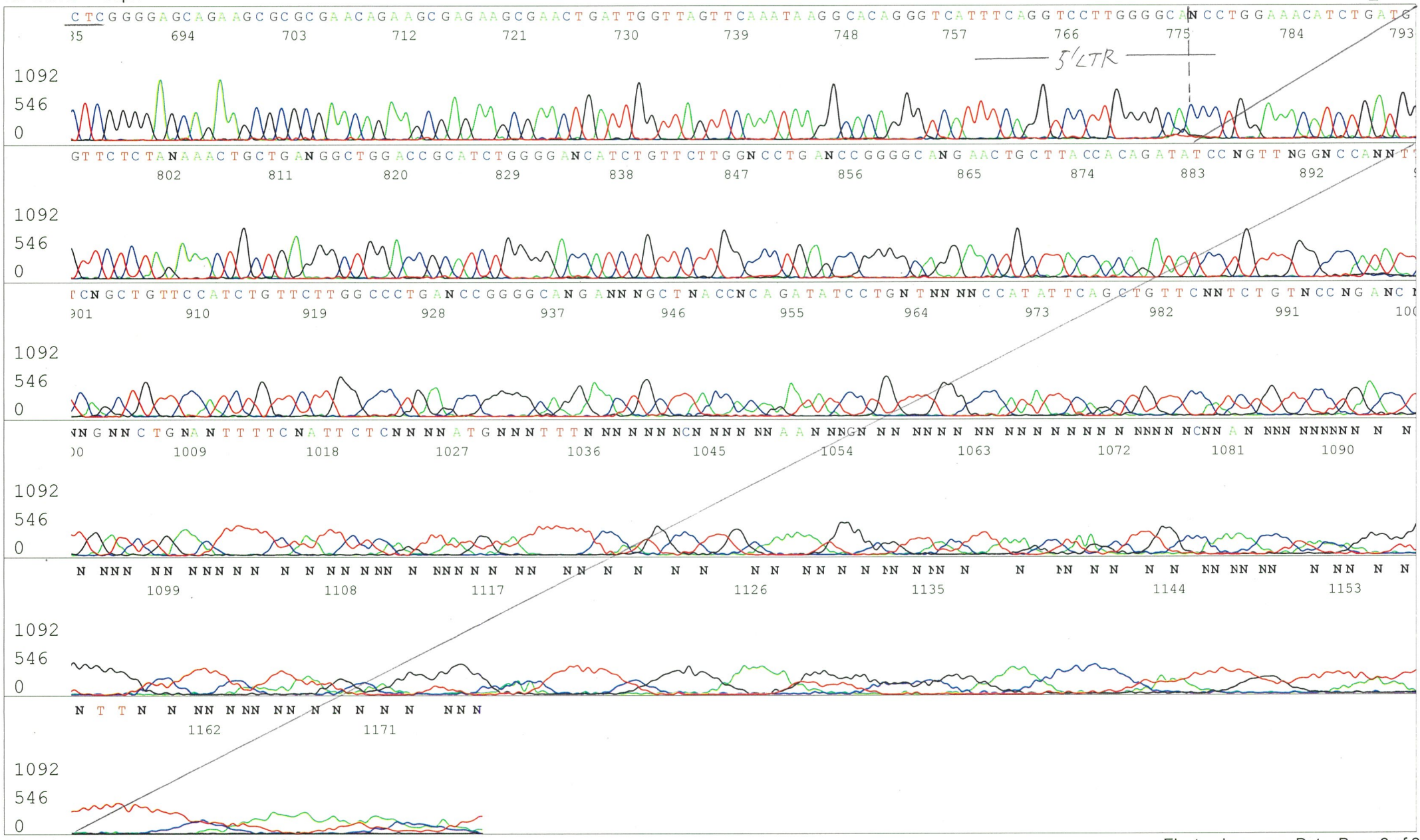

Applied Biosystems

S/N G:25 A:19 T:16 C:18
KB.bcp
KB 1.4.1.8 Cap:10

primer name E : laclpro-B_F
5'-CCGCCTTTGAGTGAGCTGATA-3'

D07716B7_B1Ec_1_laclpro-B_F_D01_10_ABI24
D07716B7_B1Ec_1_laclpro-B_F
KB_3500_POP7_BDTv3.mob
Pts 1453 to 13902 Pk1 Loc:1430
Version 6.0 HiSQV Bases: 951

Inst Model/Name 3500/3500 Instrument
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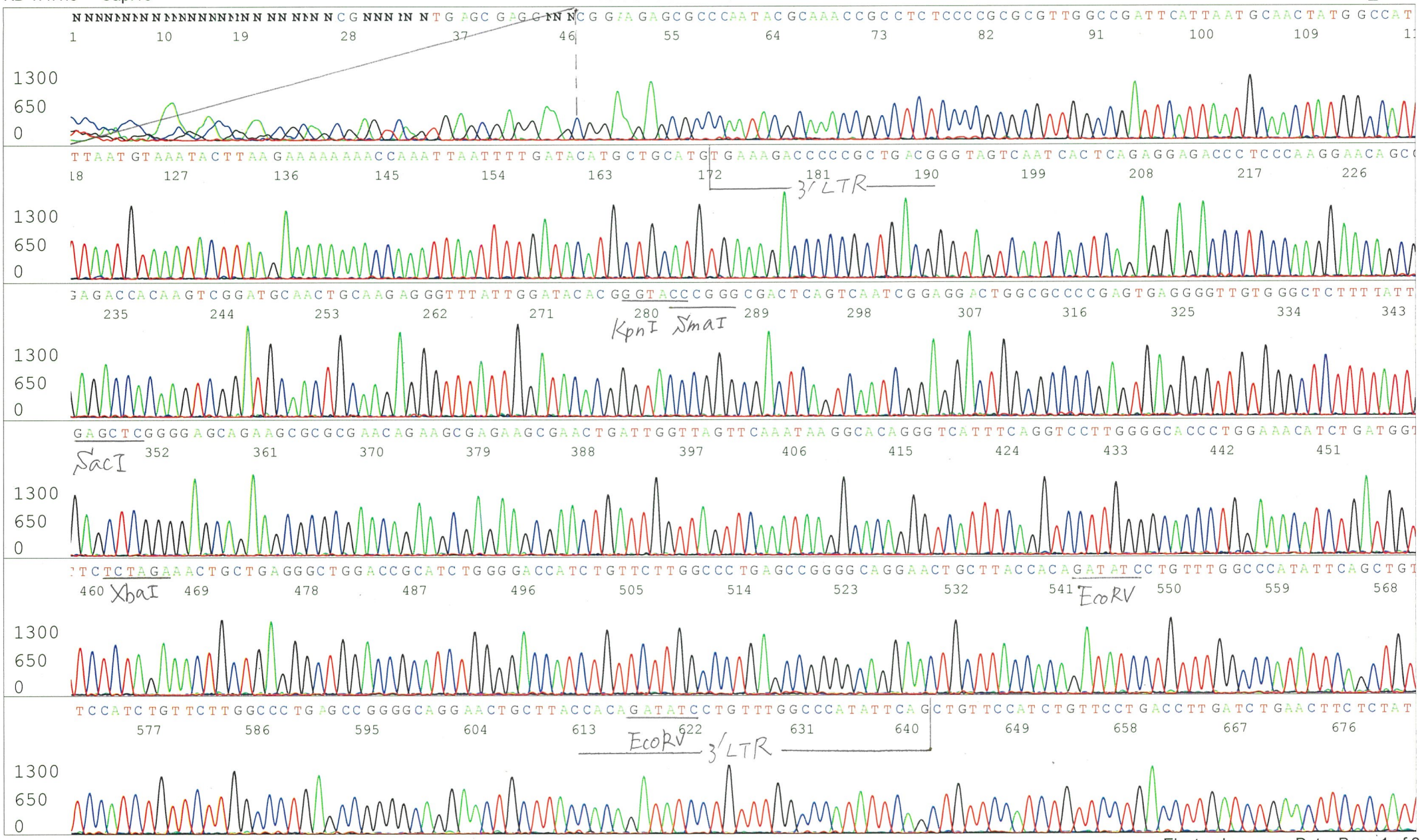
Jul 16,2021 09:58AM, JST
Spacing:12.32 Pts/Panel1350
Plate Name: 20210716_kitaku



Applied Biosystems

S/N G:25 A:19 T:16 C:18
KB.bcp
KB 1.4.1.8 Cap:10

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D07716B7_B1Ec_1_laclpro-B_F
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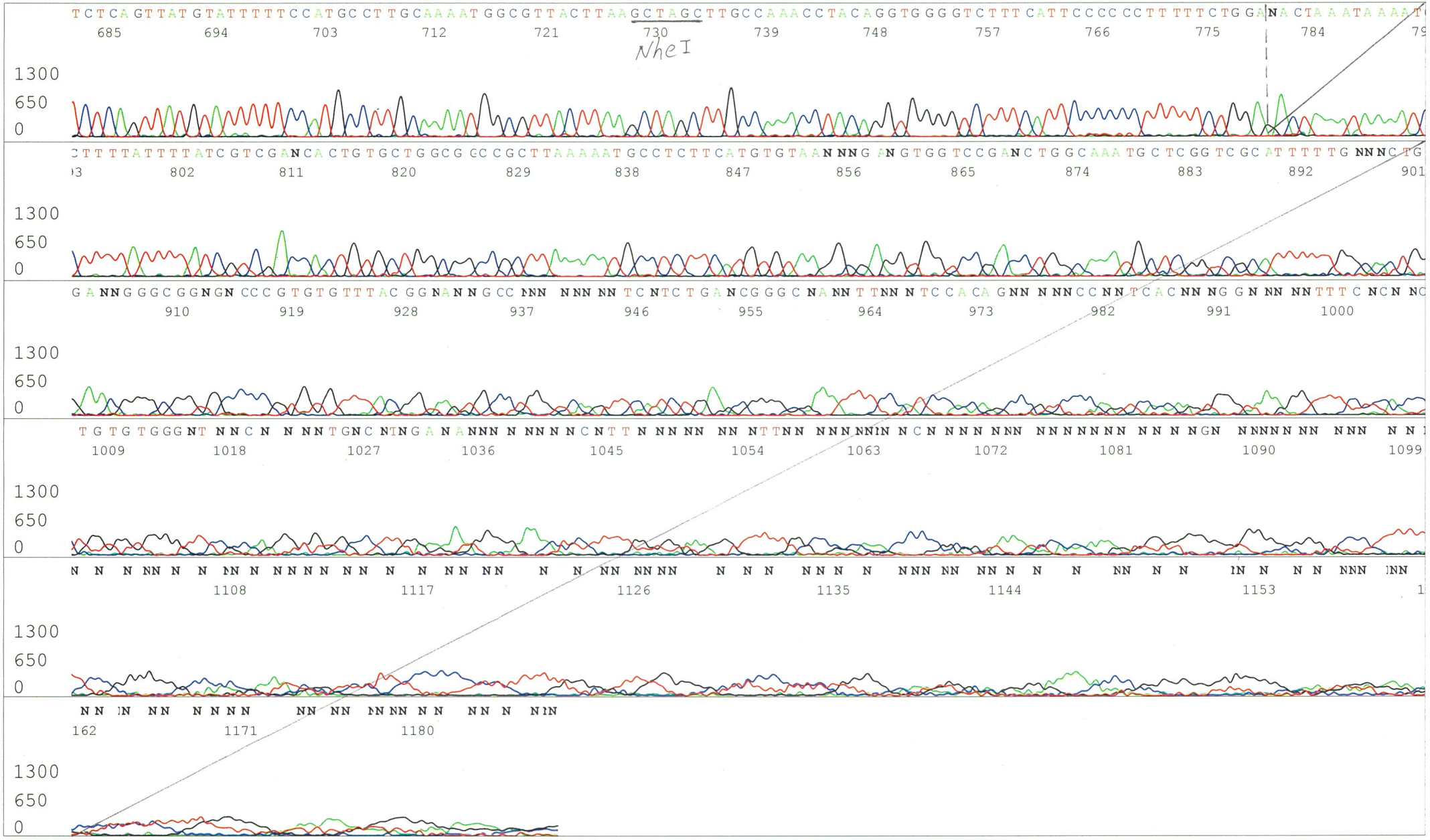
Pts 1453 to 13902 Pk1 Loc:1430
Version 6.0 HiSQV Bases: 951

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Plate Name: 20210716_kitaku