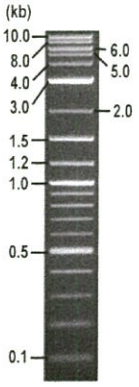
Gene Engineering Division
RIKEN BioResource Research Center

RIKEN DNA BANK

clone name : pET-G4-1

- **Clone ID** : RDB _ 19437
- **Lot** : 19437 _ B1Kq
- **DNA Concentration** : 25 nanogram/microliter
- **Volume** : 40 microliter
- **Form** : DNA solution in TE buffer
- **Host** : DH5 alpha
- **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	
NdeI	:	**6.6**	kbp
BamHI	:	**6.0, 0.6**	kbp
EcoRV	:	**4.2, 2.4**	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	Pr0723	pET-B_F	T7 pro, lacO, RBS, insert 5'
Sequence - B	Pr0192	pET-check-R1	T7 ter, insert 3'
Sequence - C	Pr0409	lacIpro_F	lacI pro, lacI
Sequence - D	-	-	-
Sequence - E	-	-	-
Sequence - F	-	-	-
Sequence - G	-	-	-
Sequence - H	-	-	-

APPROVED BY :

Applied Biosystems

S/N G:99 A:77 T:55 C:78
KB.bcp
KB 1.4.1.8 Cap:10

primer name A : pET-B_F
5'- TCGGTGATGTCGGCGATATA -3'

D08453A3_B1Kq_3_pET-B_F_D01_10_ABI24
D08453A3_B1Kq_3_pET-B_F
KB_3500_POP7_BDTv3.mob
Pts 1462 to 13514 Pk1 Loc:1439
Version 6.0 HiSQV Bases: 946

Inst Model/Name 3500/3500 Instrument
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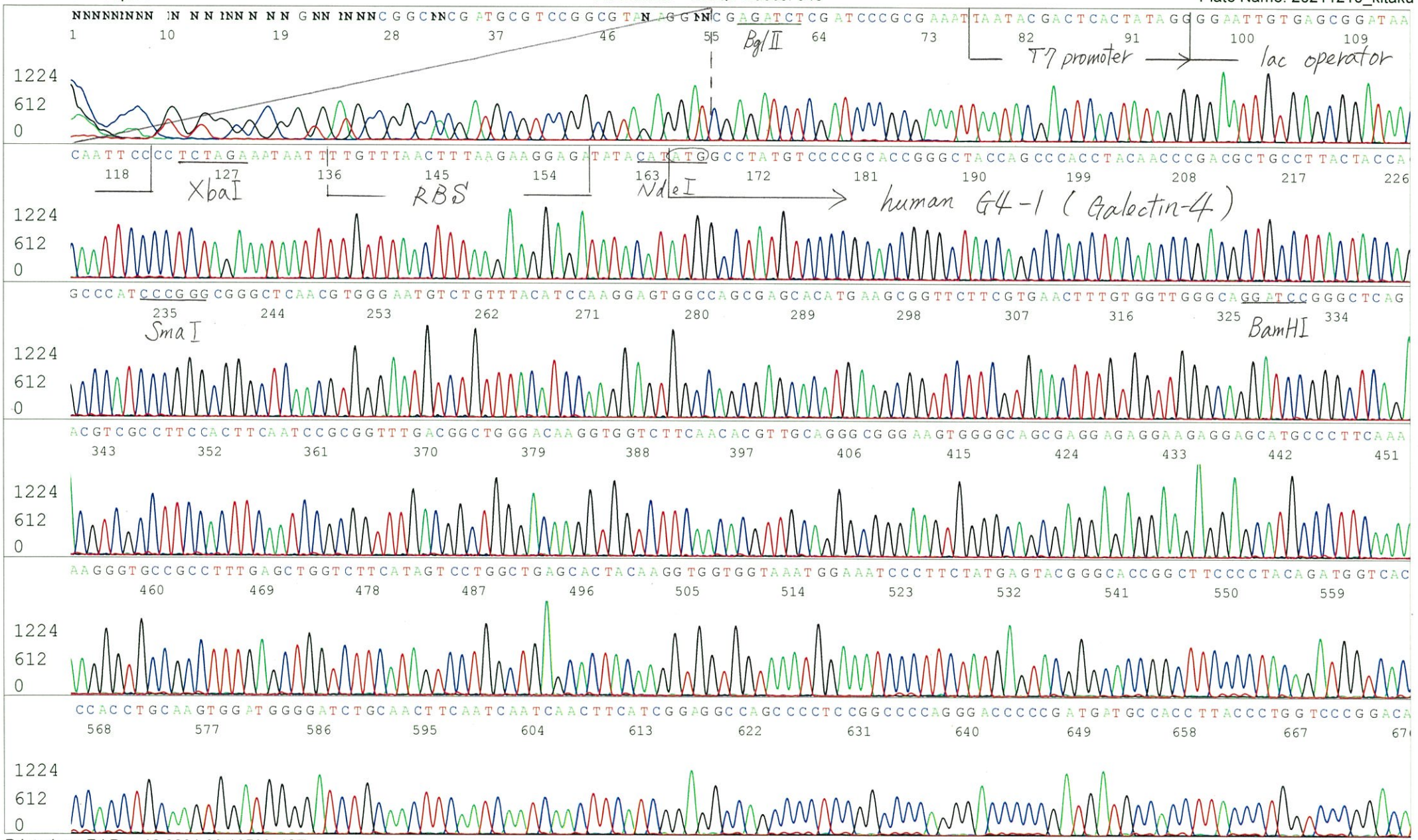
Dec 10,2021 01:30PM, JST
Spacing:12.05 Pts/Panel1350
Plate Name: 20211210_kitaku



Applied Biosystems

S/N G:99 A:77 T:55 C:78
KB.bcp
KB 1.4.1.8 Cap:10

D08453A3_B1Kq_3_pET-B_F_D01_10_ABI24
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KB_3500_POP7_BDTv3.mob
Pts 1462 to 13514 Pk1 Loc:1439
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Inst Model/Name 3500/3500 Instrument
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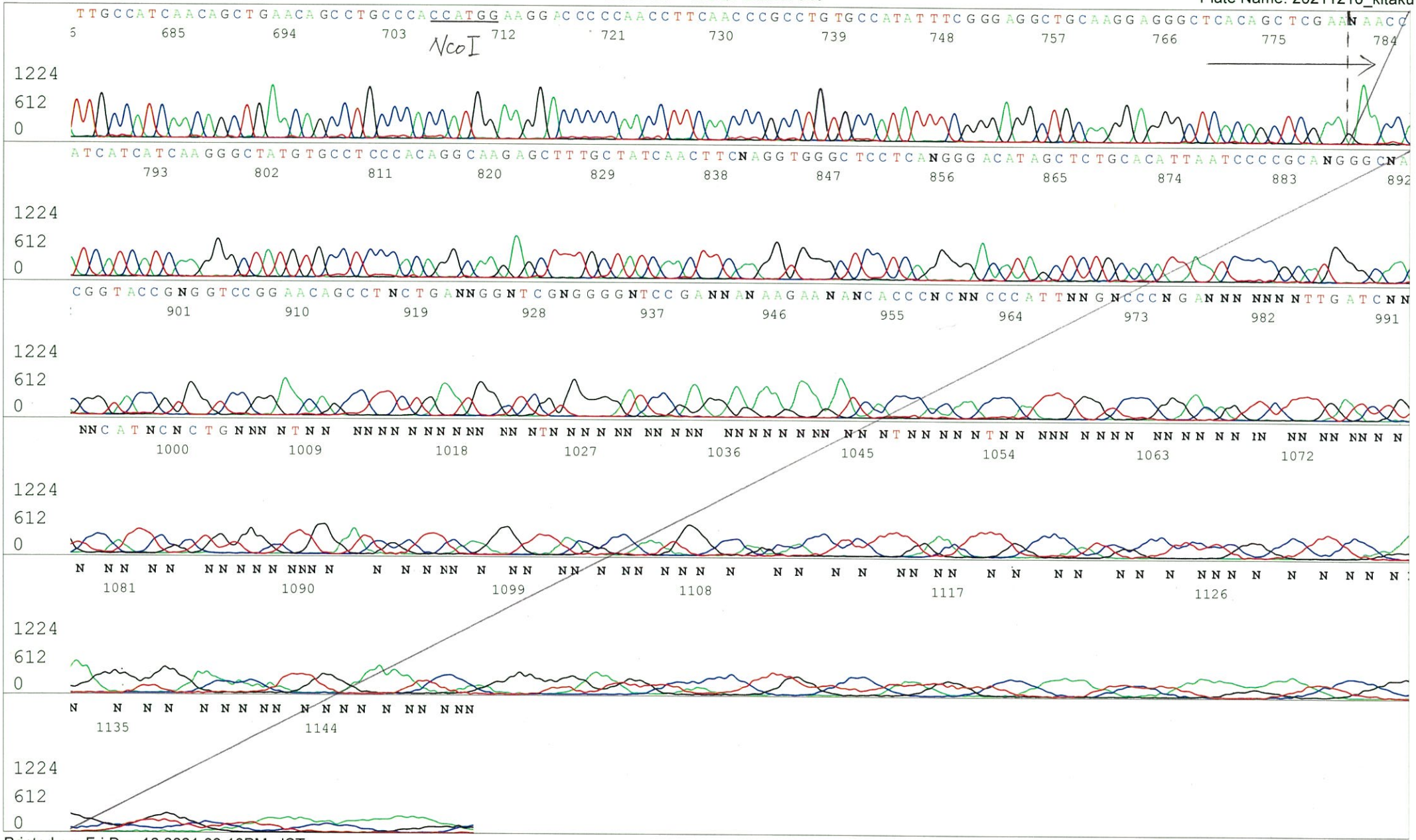

Applied Biosystems

S/N G:119 A:87 T:79 C:93
KB.bcp
KB 1.4.1.8 Cap:13

primer name B : pET-check-R1
5'-GACAGCTTATCATCGATAAGCTT-3'

D08453A3_B1Kq_3_pET-check-R1_E01_13_ABI24
D08453A3_B1Kq_3_pET-check-R1
KB_3500_POP7_BDTv3.mob
Pts 1404 to 13527 Pk1 Loc:1381
Version 6.0 HiSQV Bases: 923

Inst Model/Name 3500/3500 Instrument
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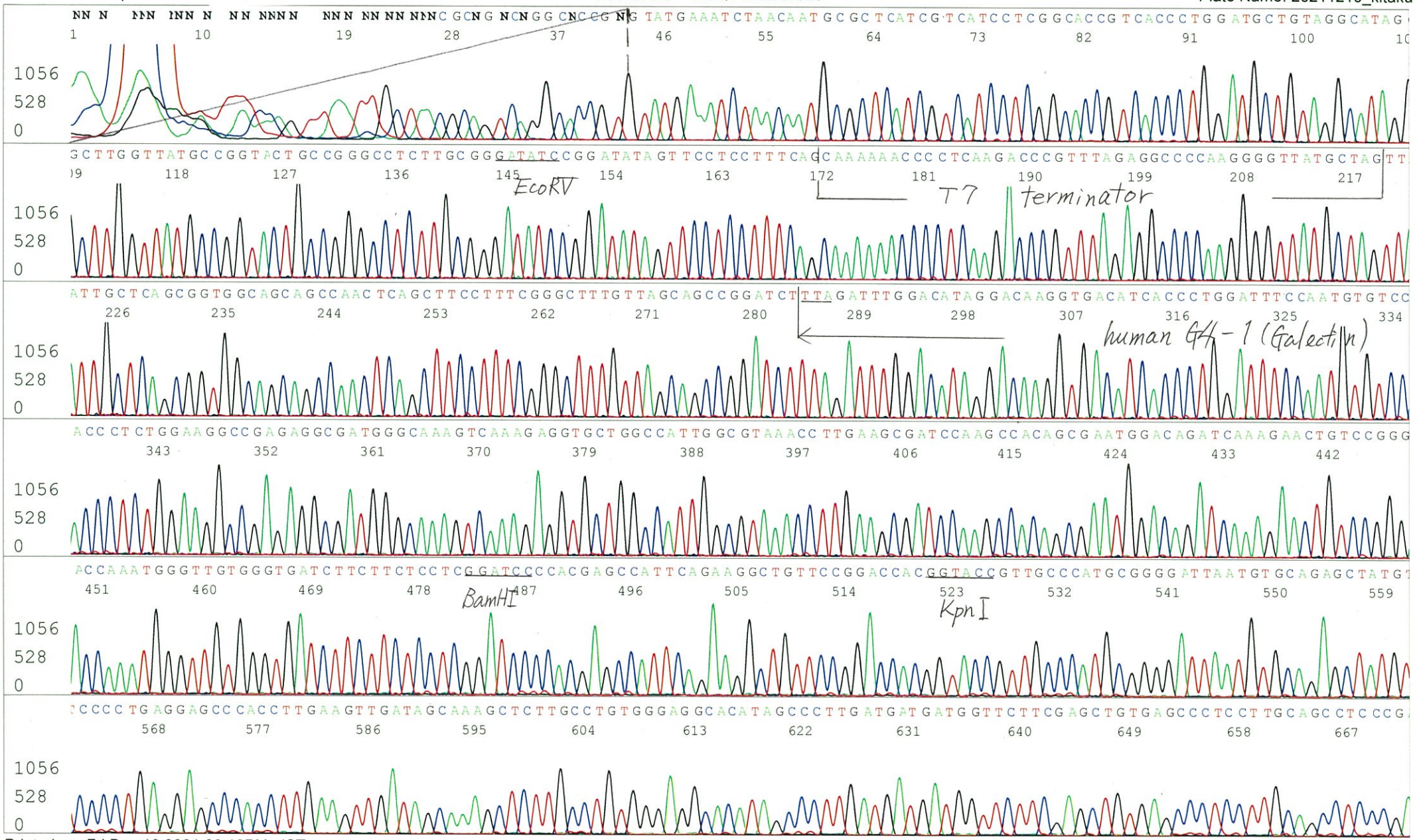

Applied Biosystems

S/N G:119 A:87 T:79 C:93
KB.bcp
KB 1.4.1.8 Cap:13

D08453A3_B1Kq_3_pET-check-R1_E01_13_ABI24
D08453A3_B1Kq_3_pET-check-R1
KB_3500_POP7_BDTv3.mob
Pts 1404 to 13527 Pk1 Loc:1381
Version 6.0 HiSQV Bases: 923

Inst Model/Name 3500/3500 Instrument
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Dec 10,2021 01:30PM, JST
Spacing:12.12 Pts/Panel1350
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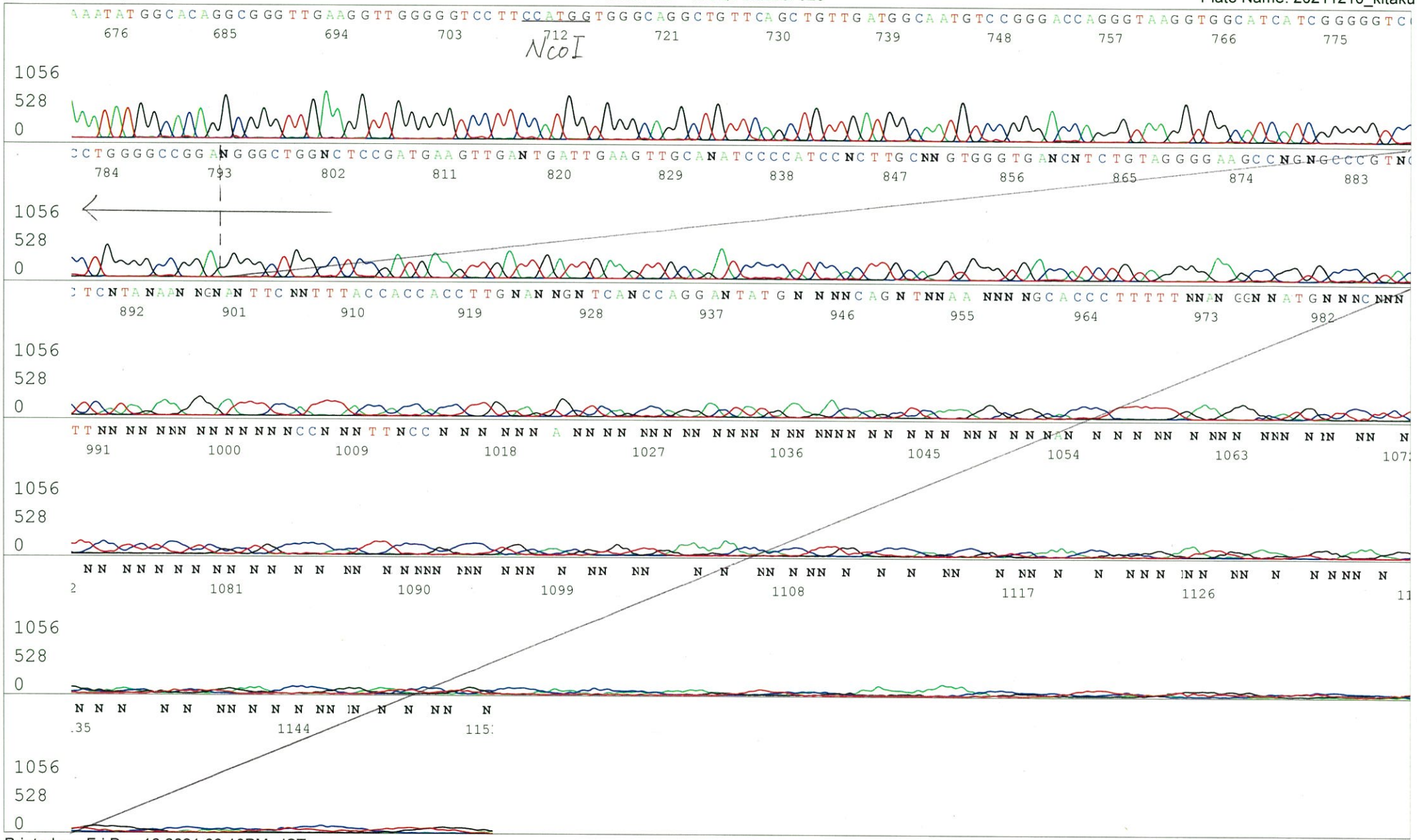
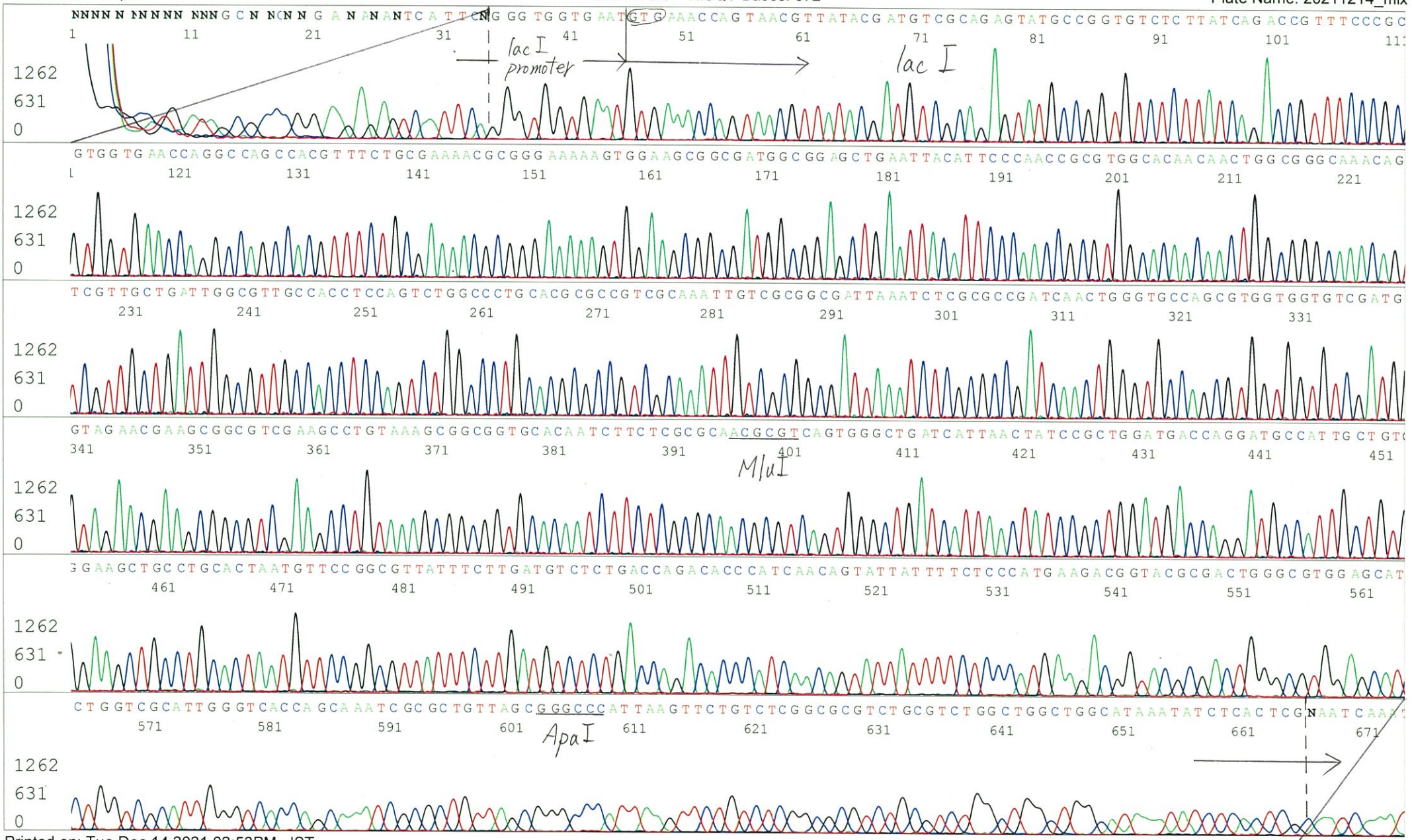


Printed on: Fri Dec 10,2021 03:10PM, JST

Applied Biosystems

S/N G:108 A:74 T:42 C:80
KB.bcp
KB 1.4.1.8 Cap:6

primer name C: laclpro_F
5'-GACACCATCGAATGGCGC-3'

D08453A3_B1Kq_3_laclpro_F_B03_06_ABI24
D08453A3_B1Kq_3_laclpro_F
KB_3500_POP7_BDTv3.mob
Pts 1764 to 8707 Pk1 Loc:1732
Version 6.0 HiSQV Bases: 672

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Spacing:10.71 Pts/Panel1350
Plate Name: 20211214_mix