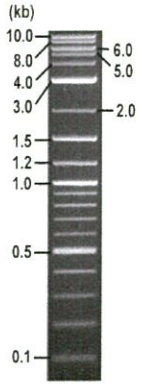
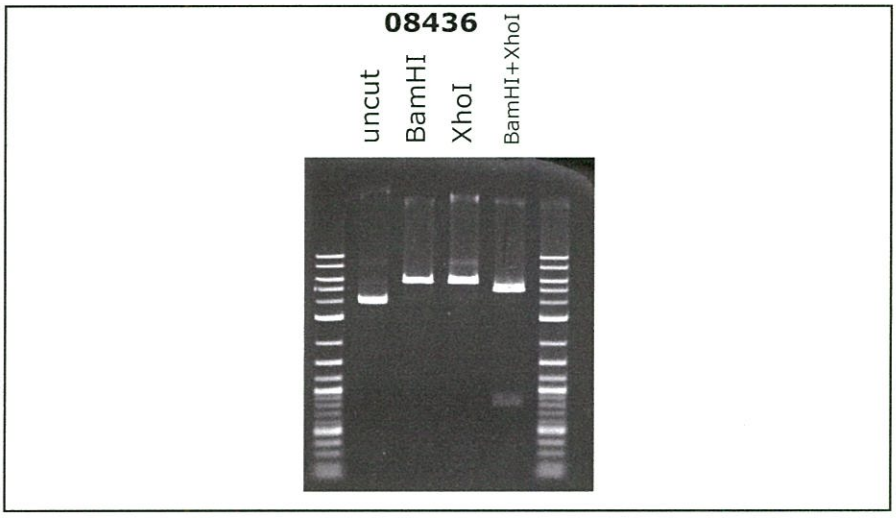
Gene Engineering Division
RIKEN BioResource Research Center

RIKEN DNA BANK clone name : pGEX-mG3-1a

- **Clone ID** : RDB _ 08436
- **Lot** : 19444 _ 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	
BamHI	:	**5.8**	kbp
XhoI	:	**5.8**	kbp
BamHI+XhoI	:	**4.9, 0.8**	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	Pr0403	pGEX-F2	GST, thrombin site, insert 5'
Sequence - B	Pr0084	pJB8-Forward	insert 3'
Sequence - C	Pr0724	lacIpro-B_F	lacI pro, lacI
Sequence - D	-	-	-
Sequence - E	-	-	-
Sequence - F	-	-	-
Sequence - G	-	-	-
Sequence - H	-	-	-

APPROVED BY :

確認
21.12.17
金藤

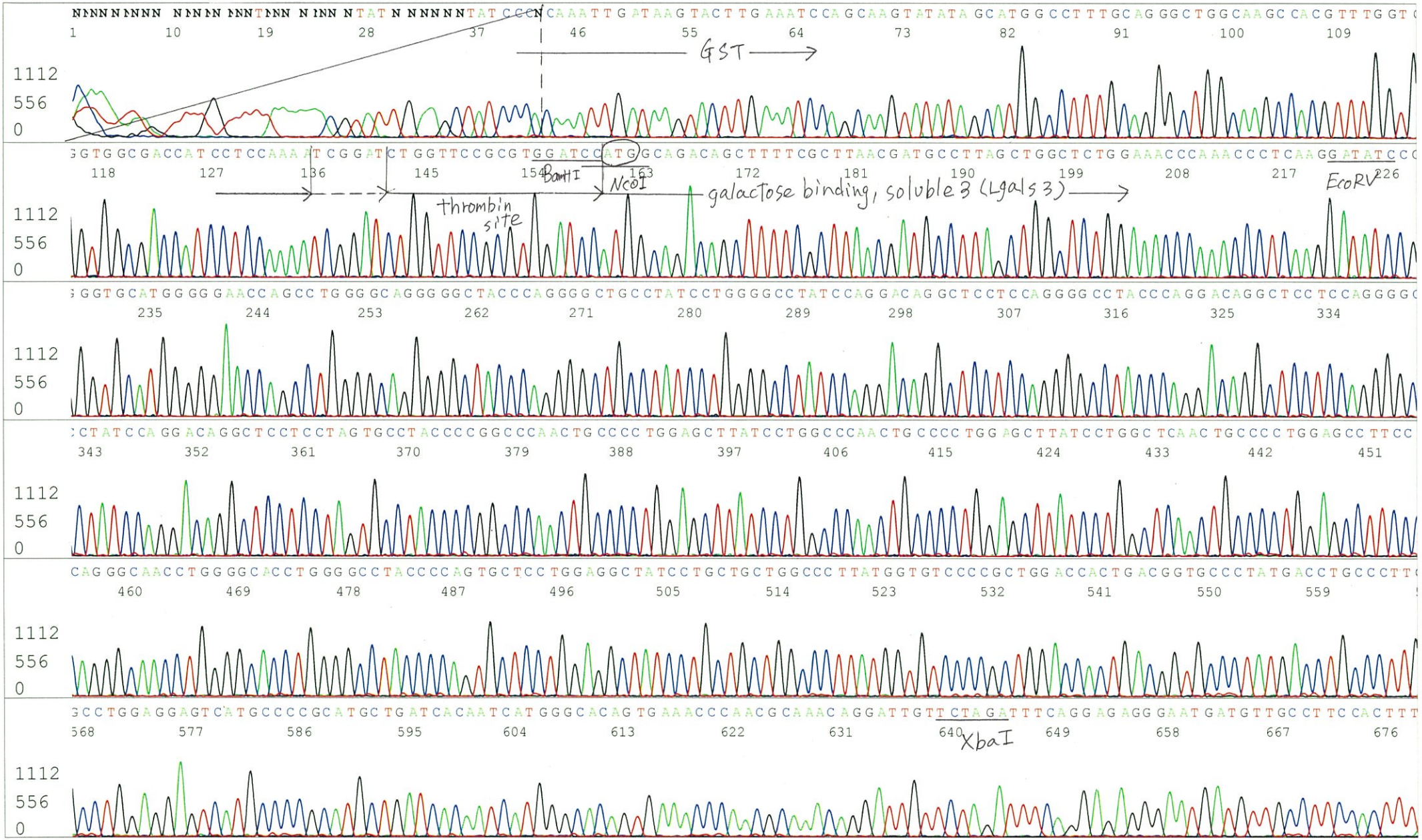
Applied Biosystems

S/N G:47 A:36 T:26 C:40
KB.bcp
KB 1.4.1.8 Cap:1

primer name A : pGEX-F2
5'-ACATGGACCCAATGTGCCTG-3'

D08453A7_B1Kq_1_pGEX-F2_A10_01_ABI08
D08453A7_B1Kq_1_pGEX-F2
KB_3500_POP7_BDTv3.mob
Pts 1412 to 13373 Pk1 Loc:1389
Version 6.0 HiSQV Bases: 952

Inst Model/Name 3500/3500 Instrument
Dec 07,2021 10:11AM, JST
Dec 07,2021 10:39AM, JST
Spacing:11.96 Pts/Panel1350
Plate Name: 20211207 kitaku

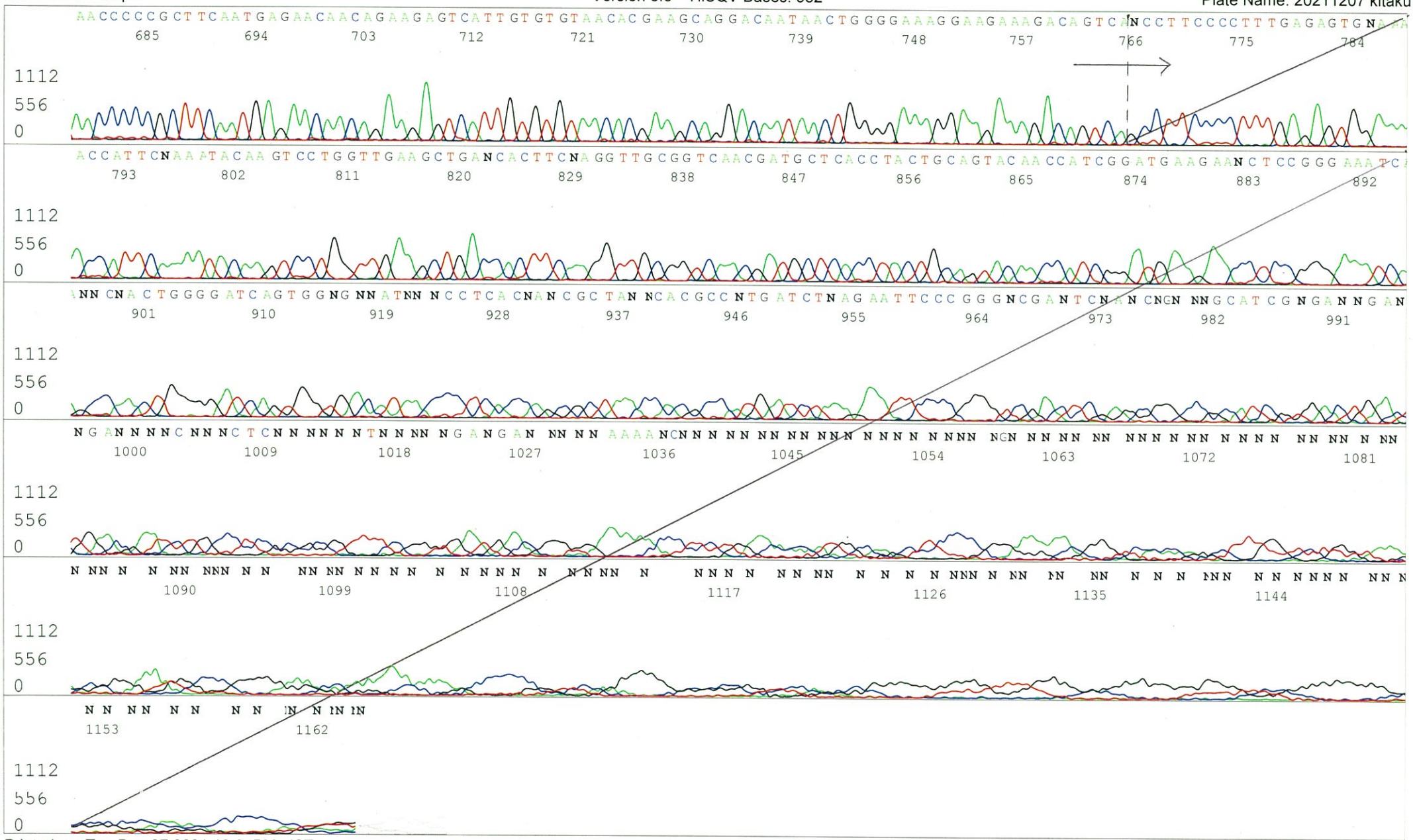


Applied Biosystems

S/N G:47 A:36 T:26 C:40
KB.bcp
KB 1.4.1.8 Cap:1

D08453A7_B1Kq_1_pGEX-F2_A10_01_ABI08
D08453A7_B1Kq_1_pGEX-F2
KB_3500_POP7_BDTv3.mob
Pts 1412 to 13373 Pk1 Loc:1389
Version 6.0 HiSQV Bases: 952

Inst Model/Name 3500/3500 Instrument
Dec 07,2021 10:11AM, JST
Dec 07,2021 10:39AM, JST
Spacing:11.96 Pts/Panel1350
Plate Name: 20211207 kitaku


AACCCCCGCTTCAATGAGAACAACAGAAGAGTCATTGTGTGTAACACGAAGCAGGACAATAACTGGGGAAAGGAAGAAAGACAGTCANCCTTCCCCTTTGAGAGTGNAAA
685 694 703 712 721 730 739 748 757 766 775 784
1112
556
0
ACCATTCNAAATACAAGTCCTGGTTGAAGCTGANCACTTCNAGGTTGCGGTCAACGATGCTCACCTACTGCAGTACAACCATCGGATGAAGAANCTCCGGGAAATC
793 802 811 820 829 838 847 856 865 874 883 892
1112
556
0
ANNCNACTGGGGATCAGTGGNGNNATNNNCCTCACNANCGCTANNCACGCCNTGATCTNAGAATTCCCGGGNCGANTCNANCNGNNNGCATCGNGANNGAN
901 910 919 928 937 946 955 964 973 982 991
1112
556
0
NGANNNNCNNNCTCNNNNNNTNNNNGANGANNNNAAAANCNNNNNNNNNNNNNNNNNNNGNNNNNNNNNNNNNNNNNNN

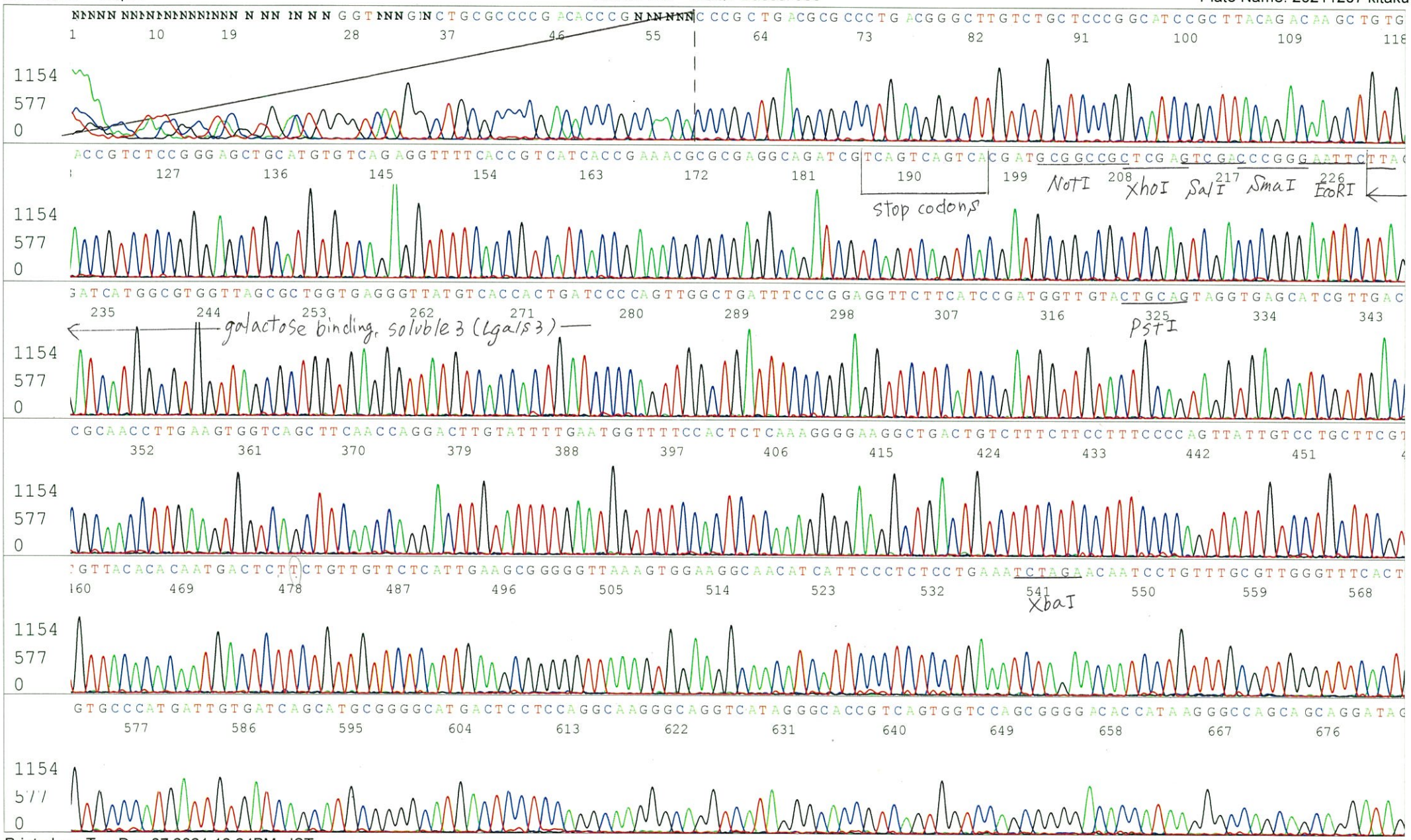
Applied Biosystems

S/N G:28 A:24 T:18 C:21
KB.bcp
KB 1.4.1.8 Cap:2

primer name B : pJB8-Forward
5'- ACGAGGCCCTTTCGTCTTC -3'

D08453A7_B1Kq_1_pJB8-Forward_B10_02_ABI08
D08453A7_B1Kq_1_pJB8-Forward
KB_3500_POP7_BDTv3.mob
Pts 1413 to 13351 Pk1 Loc:1390
Version 6.0 HiSQV Bases: 930

Inst Model/Name 3500/3500 Instrument
Dec 07,2021 10:11AM, JST
Dec 07,2021 10:39AM, JST
Spacing:11.97 Pts/Panel1350
Plate Name: 20211207 kitaku

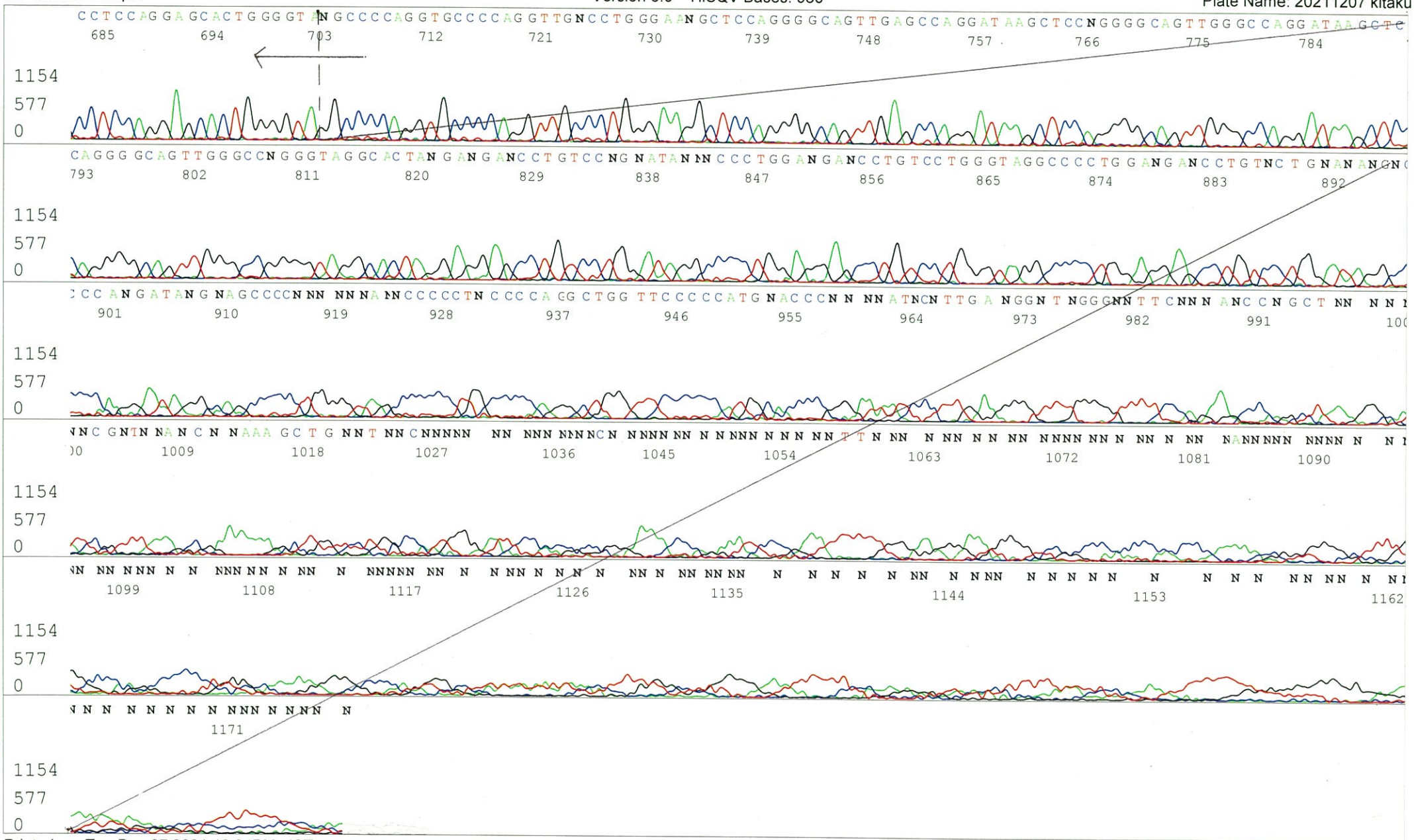


Applied Biosystems

S/N G:28 A:24 T:18 C:21
KB.bcp
KB 1.4.1.8 Cap:2

D08453A7_B1Kq_1_pJB8-Forward_B10_02_ABI08
D08453A7_B1Kq_1_pJB8-Forward
KB_3500_POP7_BDTv3.mob
Pts 1413 to 13351 Pk1 Loc:1390
Version 6.0 HiSQV Bases: 930

Inst Model/Name 3500/3500 Instrument
Dec 07,2021 10:11AM, JST
Dec 07,2021 10:39AM, JST
Spacing:11.97 Pts/Panel1350
Plate Name: 20211207 kitaku



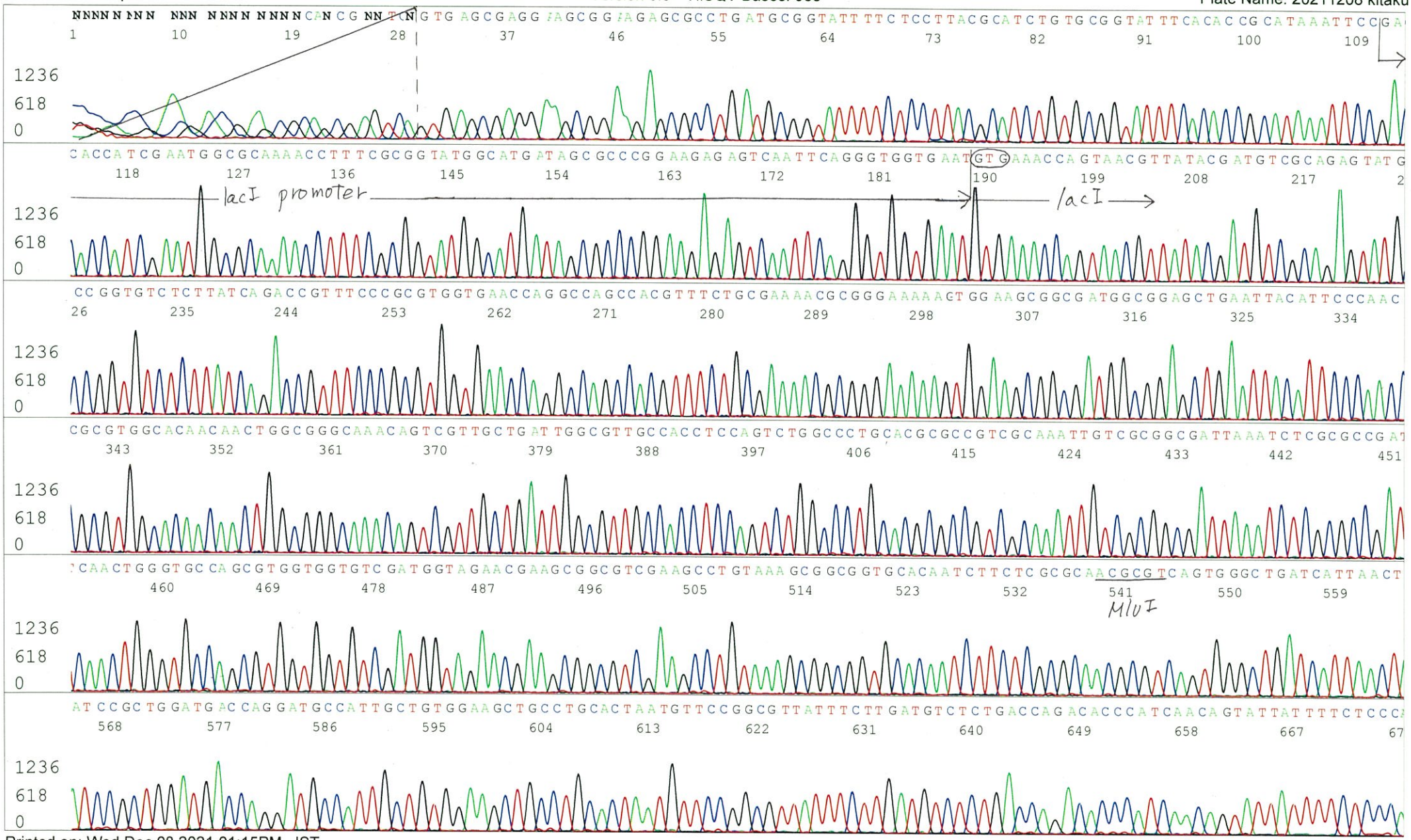
Applied Biosystems

S/N G:69 A:43 T:37 C:43
KB.bcp
KB 1.4.1.8 Cap:6

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

D08453A7_B1Kq_1_laclpro-B_F_B03_06_ABI24
D08453A7_B1Kq_1_laclpro-B_F
KB_3500_POP7_BDTv3.mob
Pts 1458 to 13505 Pk1 Loc:1435
Version 6.0 HiSQV Bases: 968

Inst Model/Name 3500/3500 Instrument
Dec 08,2021 10:03AM, JST
Dec 08,2021 10:30AM, JST
Spacing:12.0 Pts/Panel1350
Plate Name: 20211208 kitaku



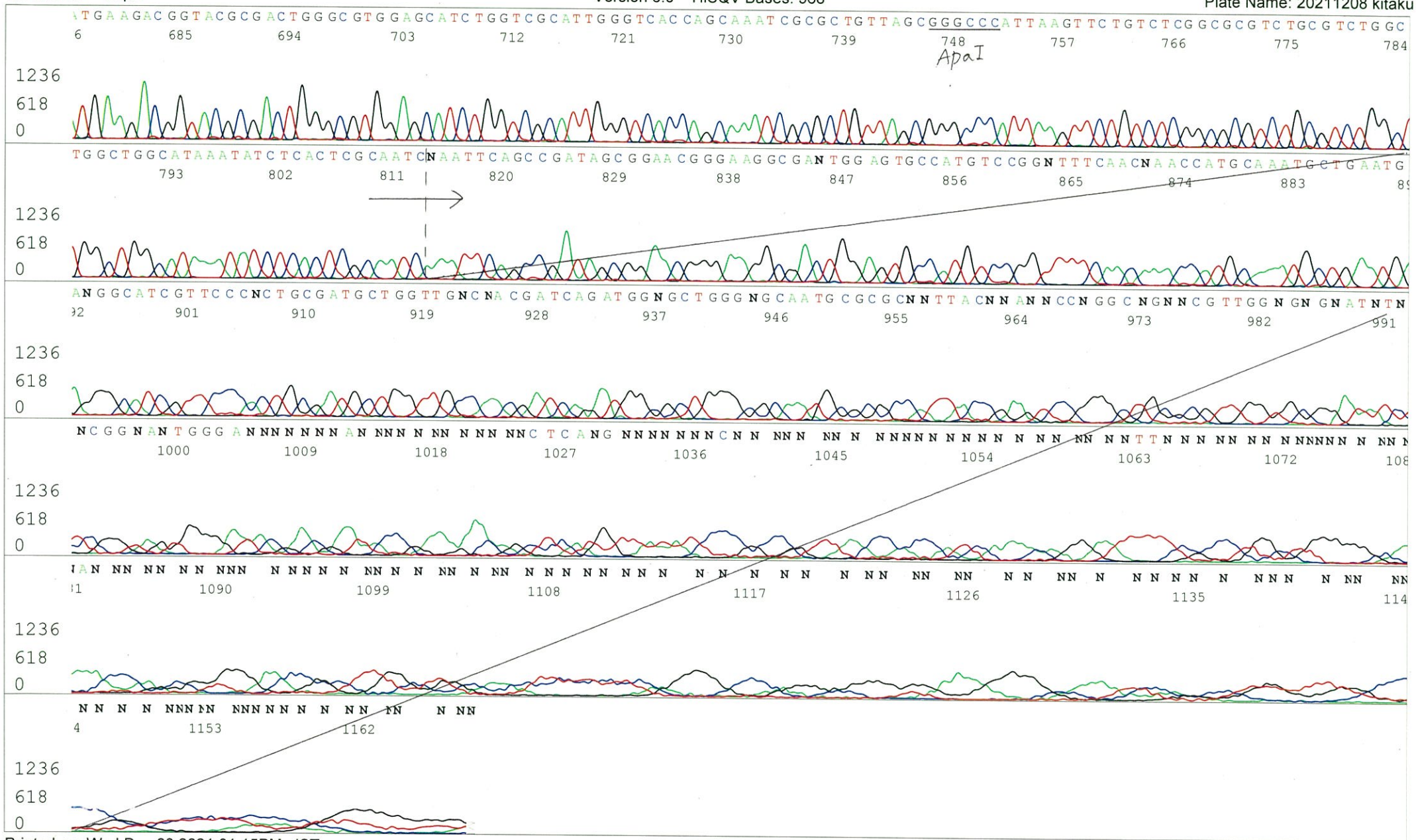
Printed on: Wed Dec 08,2021 01:15PM, JST

Applied Biosystems

S/N G:69 A:43 T:37 C:43
KB.bcp
KB 1.4.1.8 Cap:6

D08453A7_B1Kq_1_laclpro-B_F_B03_06_ABI24
D08453A7_B1Kq_1_laclpro-B_F
KB_3500_POP7_BDTv3.mob
Pts 1458 to 13505 Pk1 Loc:1435
Version 6.0 HiSQV Bases: 968

Inst Model/Name 3500/3500 Instrument
Dec 08,2021 10:03AM, JST
Dec 08,2021 10:30AM, JST
Spacing:12.0 Pts/Panel1350
Plate Name: 20211208 kitaku


ATGAAGACGGTACGCGACTGGGCGTGGAGCATCTGGTCGCATTGGGTCACCAGCAAATCGCGCTGTTAGCGGGCCCATTAAGTTCTGTCTCGGCGCGTCTGCGTCTGGC
685 694 703 712 721 730 739 748 757 766 775 784
ApaI
TGGCTGGCATAAATATCTCACTCGCAATCNAATTCAGCCGATAGCGGAACGGGAAGGCGANTGGAGTGCCATGTCCGGNTTTCAACNAACCATGCAAATGCTGAATG
793 802 811 820 829 838 847 856 865 874 883
ANGGCATCGTTCCCNCTGCGATGCTGGTTGNCNACGATCAGATGGNGCTGGGNGCAATGCGCGCNNTTACNNANNCCNGGCNGNNCGTTGGNGNGNATNTN
901 910 919 928 937 946 955 964 973 982 991
NCGGNANTGGGANNNNNNNANNNNNNNNNNCTCANGNNNNNNNCNNNNNNNNNNNNNNNNNNNNNNNNTTNNNNNNNNNNNNNNNNNNNN
1000 1009 1018 1027 1036 1045 1054 1063 1072
IANNNNNNNNNNNNNNNNNNNN