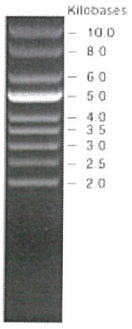
Gene Engineering Division
RIKEN BioResource Research Center

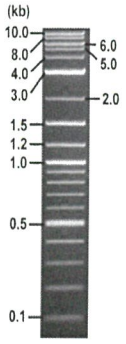
RIKEN DNA BANK clone name : CS-RfA-EF-mRFP1

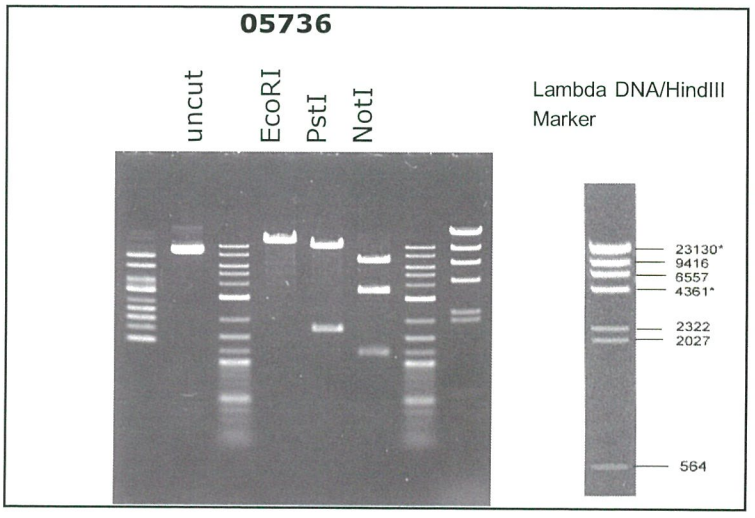
- **Clone ID** : RDB _ 05736
- **Lot** : 20218 _ B3Ke
- **DNA Concentration** : 25 ng/μL
- **Volume** : 40 μL
- **Form** : DNA solution in TE buffer
- **Host** : Survival2
- **Culture** : LB medium
- **Antibiotics** : 100 μg/mL Amp ; 33 μg/mL Cm
- **Purification** : QIAGEN QIAprep Spin Miniprep kit
- **Digestion by restriction enzyme**

Supercoiled DNA Ladder (NEB#N0472S), 250 ng/well



1 kb Plus DNA Ladder (NEB#N3200L), 250 ng/well





Electrophoresis : 100 ng DNA per lane ; 1% agarose gel , 1 x TAE Buffer

Restriction enzyme		Expected size of fragment	
EcoRI	:	**11.5**	kbp
PstI	:	**9.8, 1.7**	kbp
NotI	:	**6.9, 3.5, 1.2**	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	Pr0168	EF1a-C_F	EF-1alpha pro,mRFP1 5'
Sequence - B	Pr0258	env_F	cPPT_CTS,attR1,CmR
Sequence - C	Pr0250	PRE_rev	PRE,mRFP1 3'
Sequence - D	Pr0024	EF1a-N_R	attR2,ccdB
Sequence - E	Pr0016	CMV_Forward	CMV pro,5' LTR,HIV-1 phi
Sequence - F	Pr0885	bGH_rev3	bGH pA,3' LTR
Sequence - G	Pr0651	RRE-M_R	RRE,HIV-1 phi
Sequence - H	Pr0110	SV40pro_F	Zeo

APPROVED BY :

確認 23.12.05 岸川

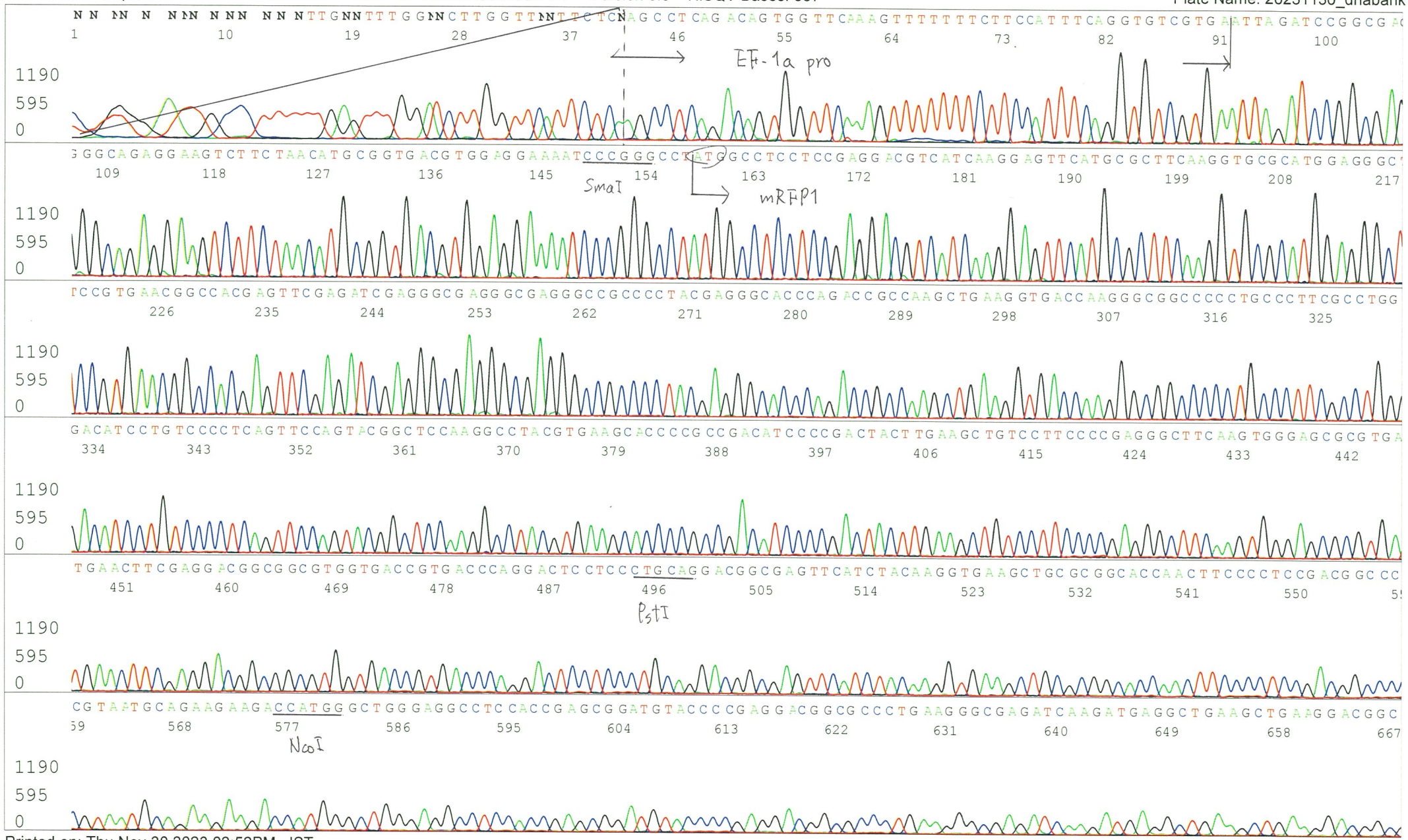
Applied Biosystems

05736_20218_B3Ke_3_EF1a-C_F_A01_01_ABI24
05736_20218_B3Ke_3_EF1a-C_F
KB_3500_POP7_BDTv3.mob
Pts 1582 to 12820 Pk1 Loc:1559
Version 6.0 HiSQV Bases: 887

Inst Model/Name 3500/3500 Instrument
Nov 30,2023 09:40AM, JST
Nov 30,2023 10:07AM, JST
Spacing:11.25 Pts/Panel1350
Plate Name: 20231130_dnabank

S/N G:153 A:115 T:91 C:120
KB.bcp
KB 1.4.1.8 Cap:1

primer name A : EF1a-C_F
5' AGTTAGGCCAGCTTGGCACTTGATG 3'

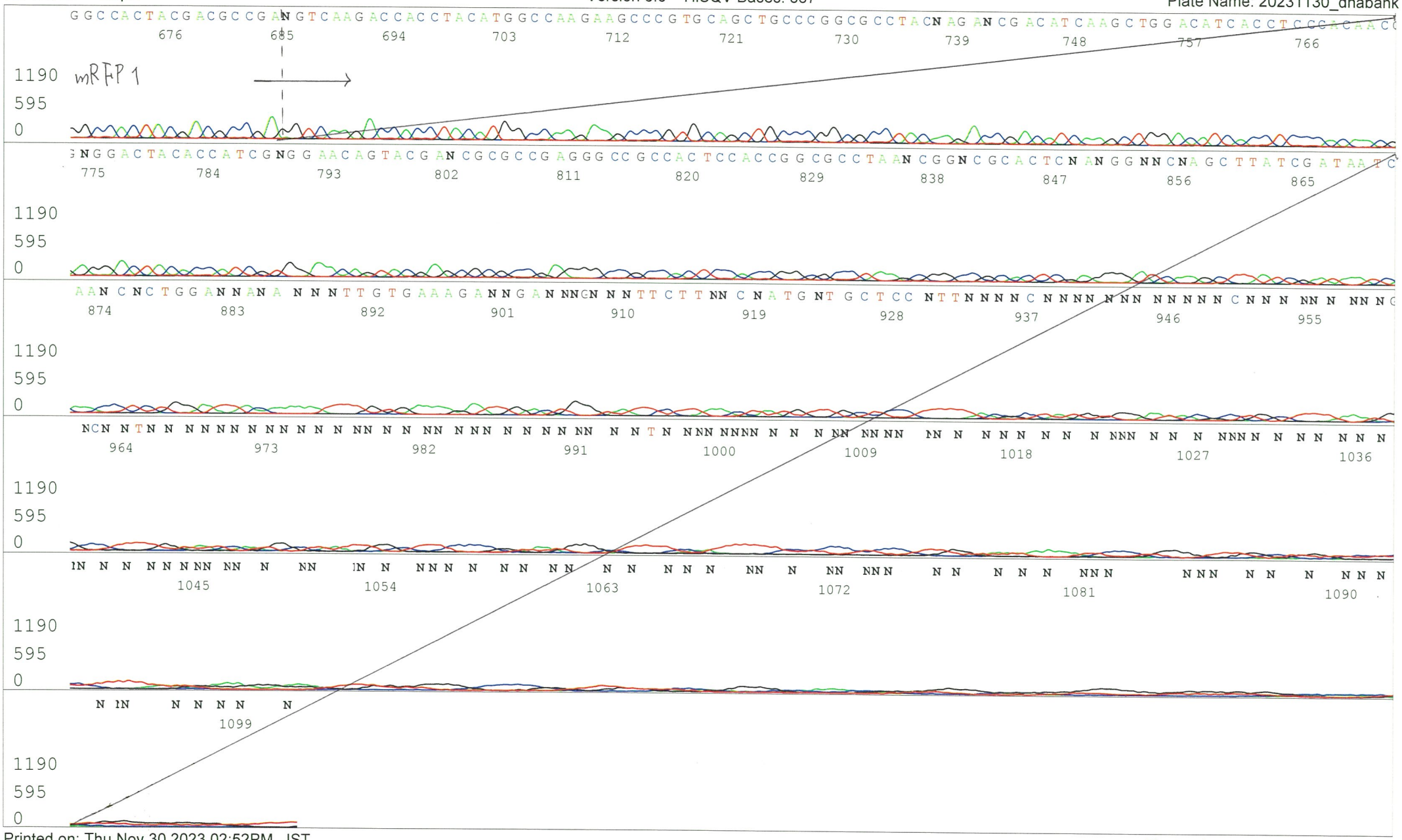


Applied Biosystems

S/N G:153 A:115 T:91 C:120
KB.bcp
KB 1.4.1.8 Cap:1

05736_20218_B3Ke_3_EF1a-C_F_A01_01_ABI24
05736_20218_B3Ke_3_EF1a-C_F
KB_3500_POP7_BDTv3.mob
Pts 1582 to 12820 Pk1 Loc:1559
Version 6.0 HiSQV Bases: 887

Inst Model/Name 3500/3500 Instrument
Nov 30,2023 09:40AM, JST
Nov 30,2023 10:07AM, JST
Spacing:11.25 Pts/Panel1350
Plate Name: 20231130_dnabank



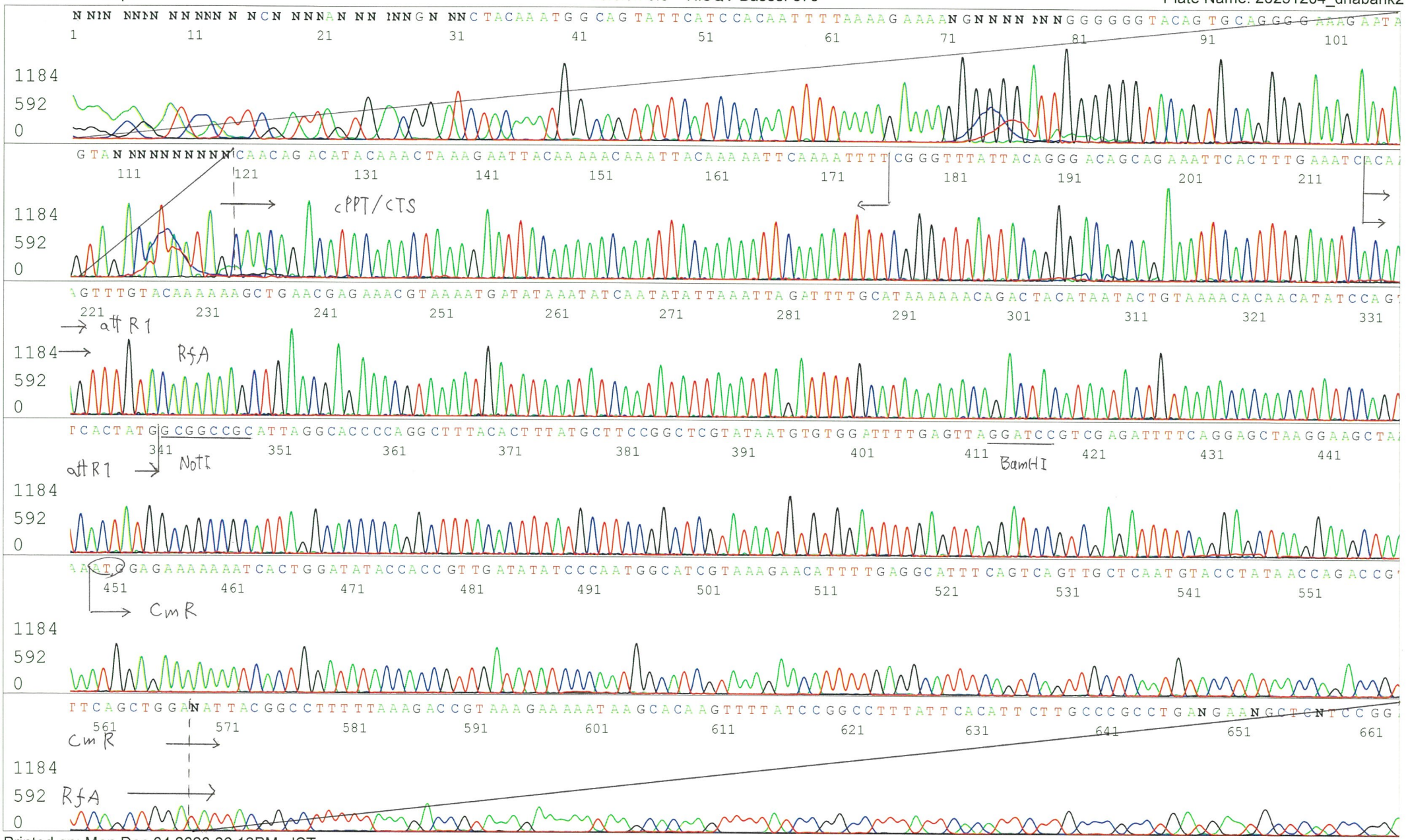
Applied Biosystems

S/N G:87 A:117 T:90 C:76
KB.bcp
KB 1.4.1.8 Cap:1

primer name B : env_F
5' AAGGAATAGAAGAAGAAGGTGG 3'

05736_20218_B3Ke_3_env_F_A01_01_ABI08
05736_20218_B3Ke_3_env_F
KB_3500_POP7_BDTv3.mob
Pts 1860 to 8704 Pk1 Loc:1828
Version 6.0 HiSQV Bases: 670

Inst Model/Name 3500/3500 Instrument
Dec 04,2023 05:22PM, JST
Dec 04,2023 05:41PM, JST
Spacing:10.55 Pts/Panel1350
Plate Name: 20231204_dnabank2



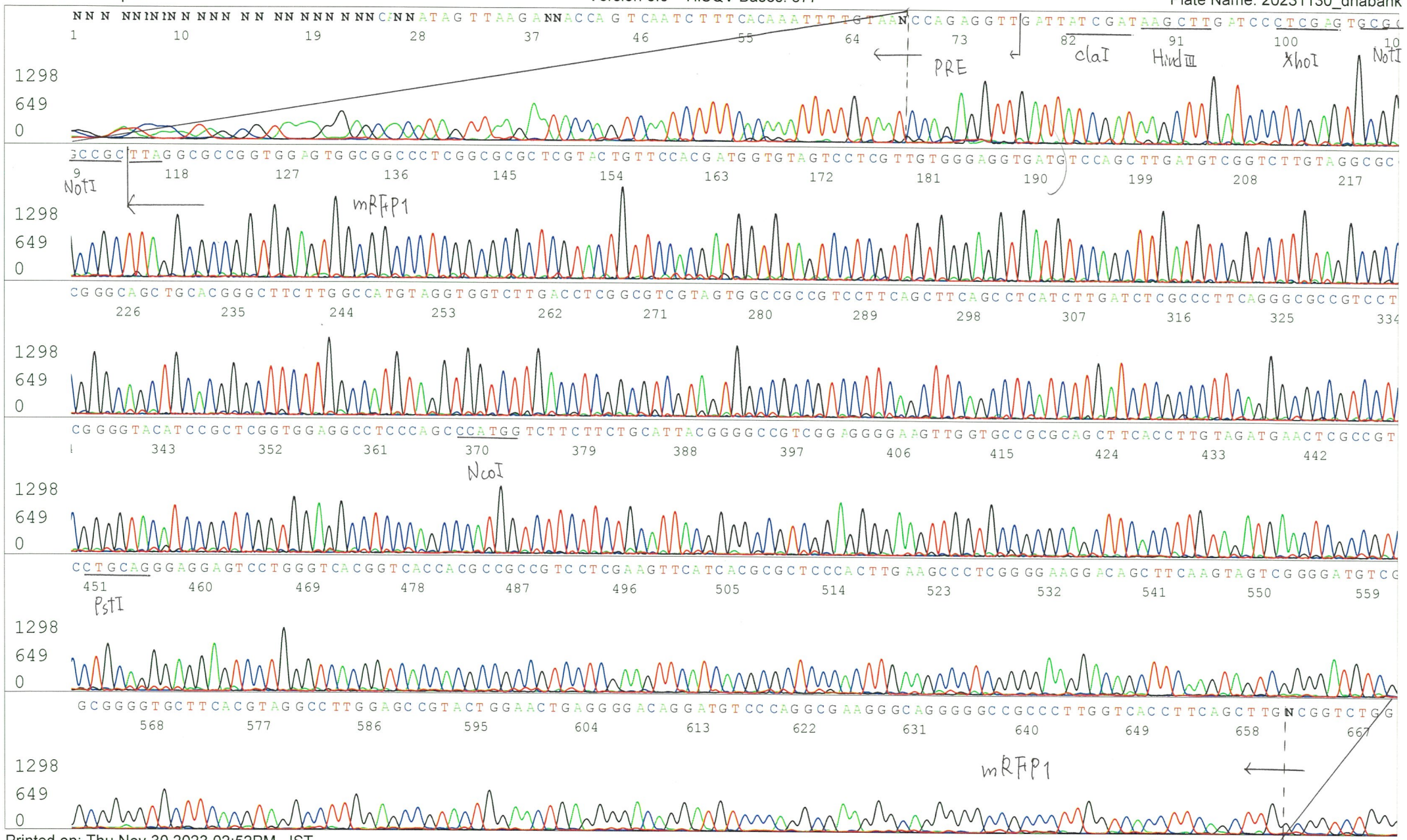
Applied Biosystems

S/N G:472 A:303 T:343 C:414
KB.bcp
KB 1.4.1.8 Cap:4

primer name C : PRE_rev
5'- AGCAATAGCATGATACAAAGGC -3'

05736_20218_B3Ke_3_PRE_rev_B01_04_ABI24
05736_20218_B3Ke_3_PRE_rev
KB_3500_POP7_BDTv3.mob
Pts 1539 to 12776 Pk1 Loc:1516
Version 6.0 HiSQV Bases: 877

Inst Model/Name 3500/3500 Instrument
Nov 30,2023 09:40AM, JST
Nov 30,2023 10:07AM, JST
Spacing:11.41 Pts/Panel1350
Plate Name: 20231130_dnabank



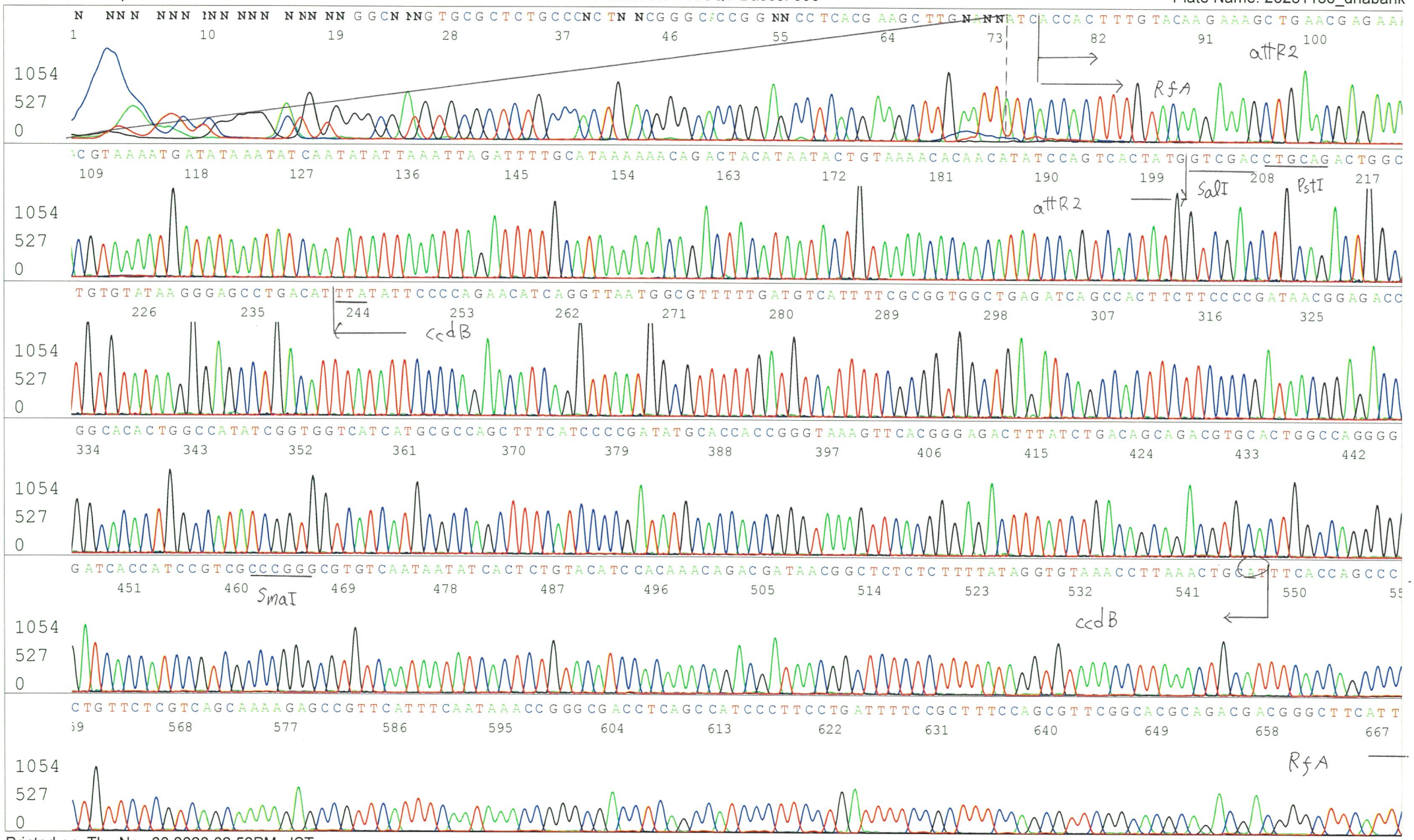
Applied Biosystems

S/N G:241 A:271 T:209 C:257
KB.bcp
KB 1.4.1.8 Cap:10

primer name : EF1a-N_R
5' TAGGCACCGGTTCAATTG 3'

05736_20218_B3Ke_3_EF1a-N_R_D01_10_ABI24
05736_20218_B3Ke_3_EF1a-N_R
KB_3500_POP7_BDTv3.mob
Pts 1547 to 12888 Pk1 Loc:1524
Version 6.0 HiSQV Bases: 890

Inst Model/Name 3500/3500 Instrument
Nov 30,2023 09:40AM, JST
Nov 30,2023 10:07AM, JST
Spacing:11.49 Pts/Panel1350
Plate Name: 20231130_dnabank

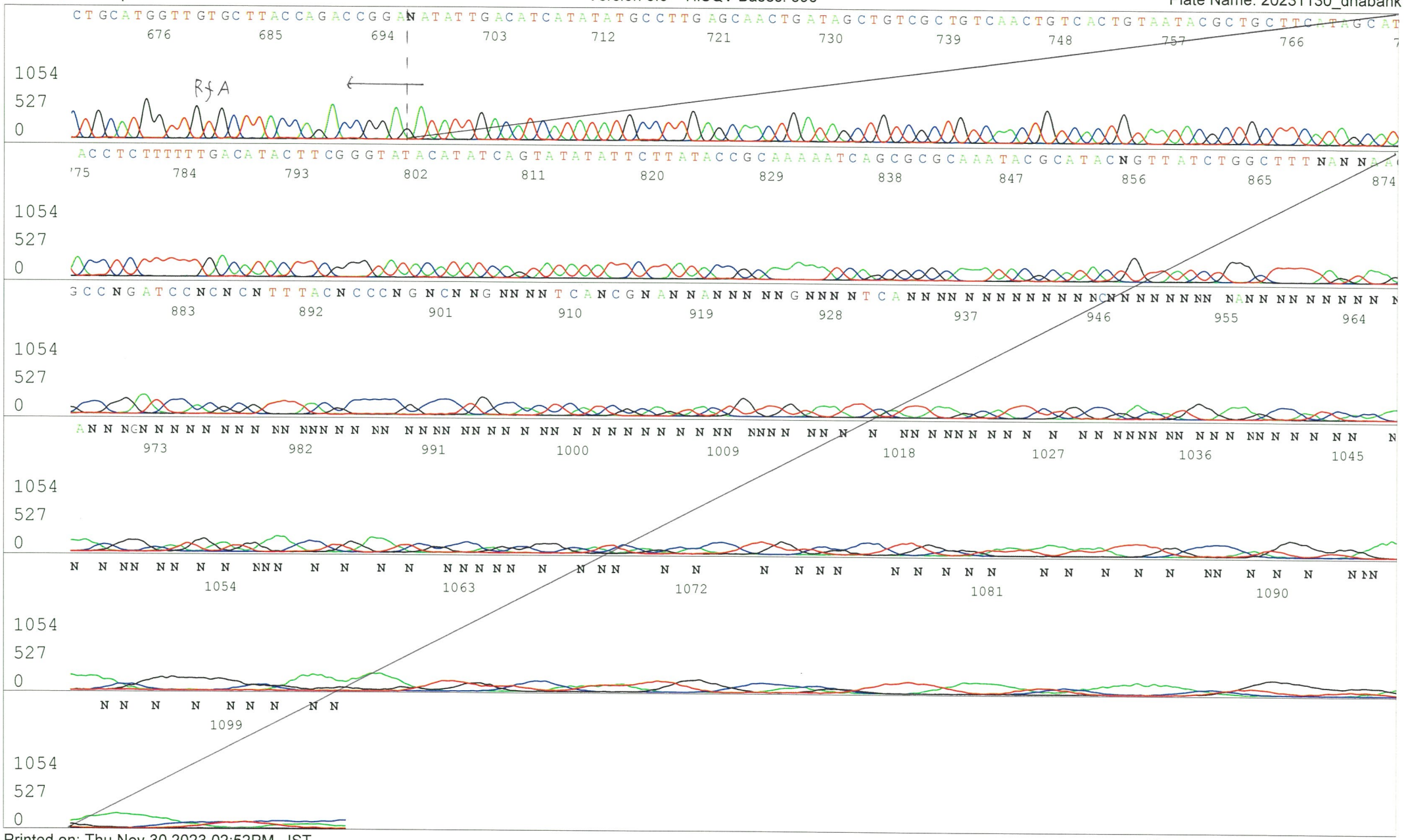


Applied Biosystems

S/N G:241 A:271 T:209 C:257
KB.bcp
KB 1.4.1.8 Cap:10

05736_20218_B3Ke_3_EF1a-N_R_D01_10_ABI24
05736_20218_B3Ke_3_EF1a-N_R
KB_3500_POP7_BDTv3.mob
Pts 1547 to 12888 Pk1 Loc:1524
Version 6.0 HiSQV Bases: 890

Inst Model/Name 3500/3500 Instrument
Nov 30,2023 09:40AM, JST
Nov 30,2023 10:07AM, JST
Spacing:11.49 Pts/Panel1350
Plate Name: 20231130_dnabank


CTGCATGGTTGTGCTTACCAGACCGGANATATTGACATCATATATGCCTTGAGCAACTGATAGCTGTCGCTGTCAACTGTCACTGTAATACGCTGCTTCATAGCAT
676 685 694 703 712 721 730 739 748 757 766
R↓A
1054
527
0
ACCTCTTTTTTGACATACTTCGGGTATACATATCAGTATATATTCTTATACCGCAAAAATCAGCGCGCAAATACGCATACNGTTATCTGGCTTTNANNAA
775 784 793 802 811 820 829 838 847 856 865 874
1054
527
0
GCCNGATCCNCNCNTTTACNCCCNGNCNNGNNNNTCANCGNANNANNNNGNNNNTCANNNNNNNNNNNNNNNNNNNNNNANNNNNNNNN
883 892 901 910 919 928 937 946 955 964
1054
527
0
ANNNGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
973 982 991 1000 1009 1018 1027 1036 1045
1054
527
0
NNNNNNNNNNNNNNNNNNNN

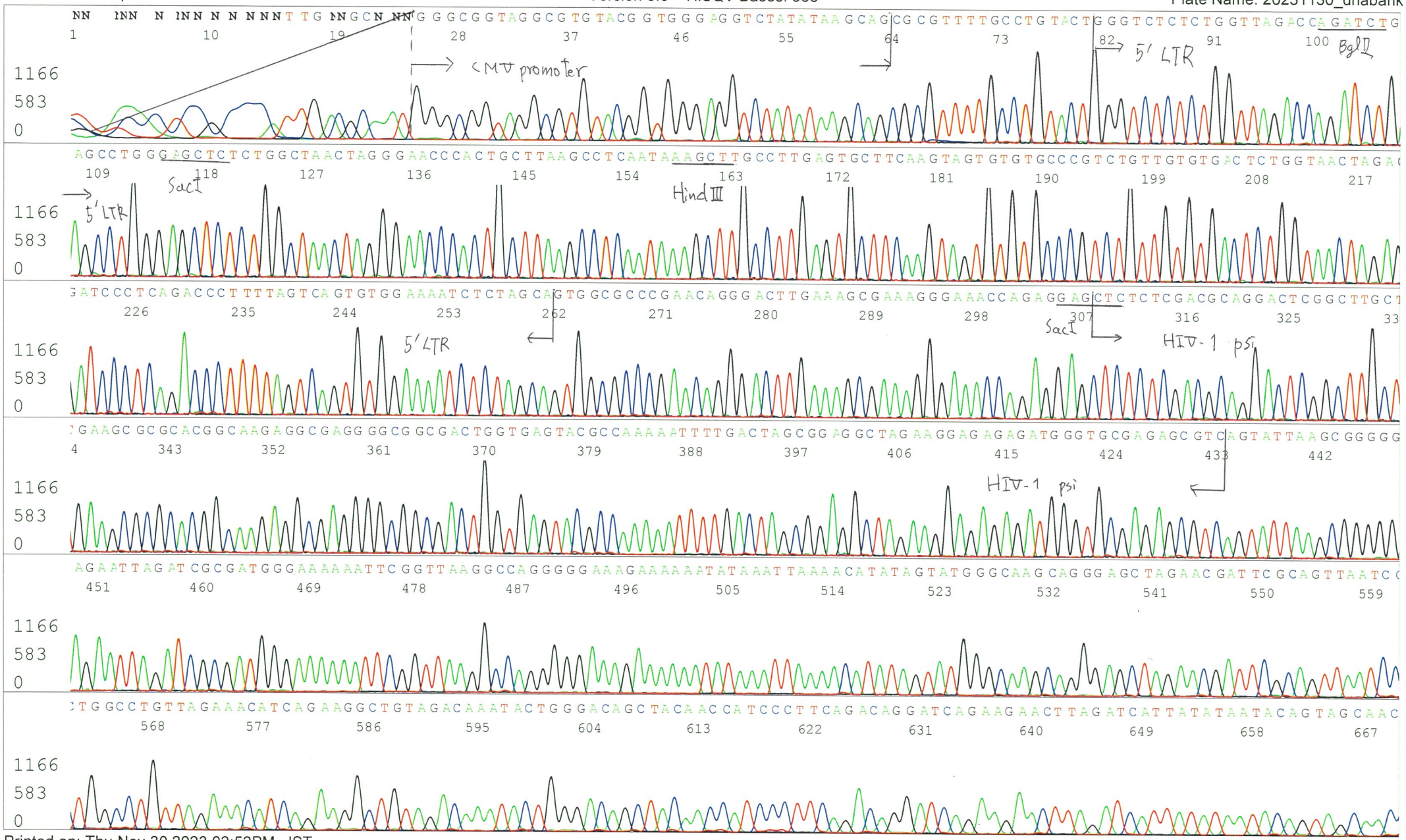
Applied Biosystems

05736_20218_B3Ke_3_CMV_Forward_E01_13_ABI24
05736_20218_B3Ke_3_CMV_Forward
KB_3500_POP7_BDTv3.mob
Pts 1548 to 12634 Pk1 Loc:1525
Version 6.0 HiSQV Bases: 868

Inst Model/Name 3500/3500 Instrument
Nov 30,2023 09:40AM, JST
Nov 30,2023 10:07AM, JST
Spacing:11.43 Pts/Panel1350
Plate Name: 20231130_dnabank

S/N G:855 A:842 T:590 C:638
KB.bcp
KB 1.4.1.8 Cap:13

primer name E : CMV_Forward
5' GCACCAAAATCAACGGGACTT 3'

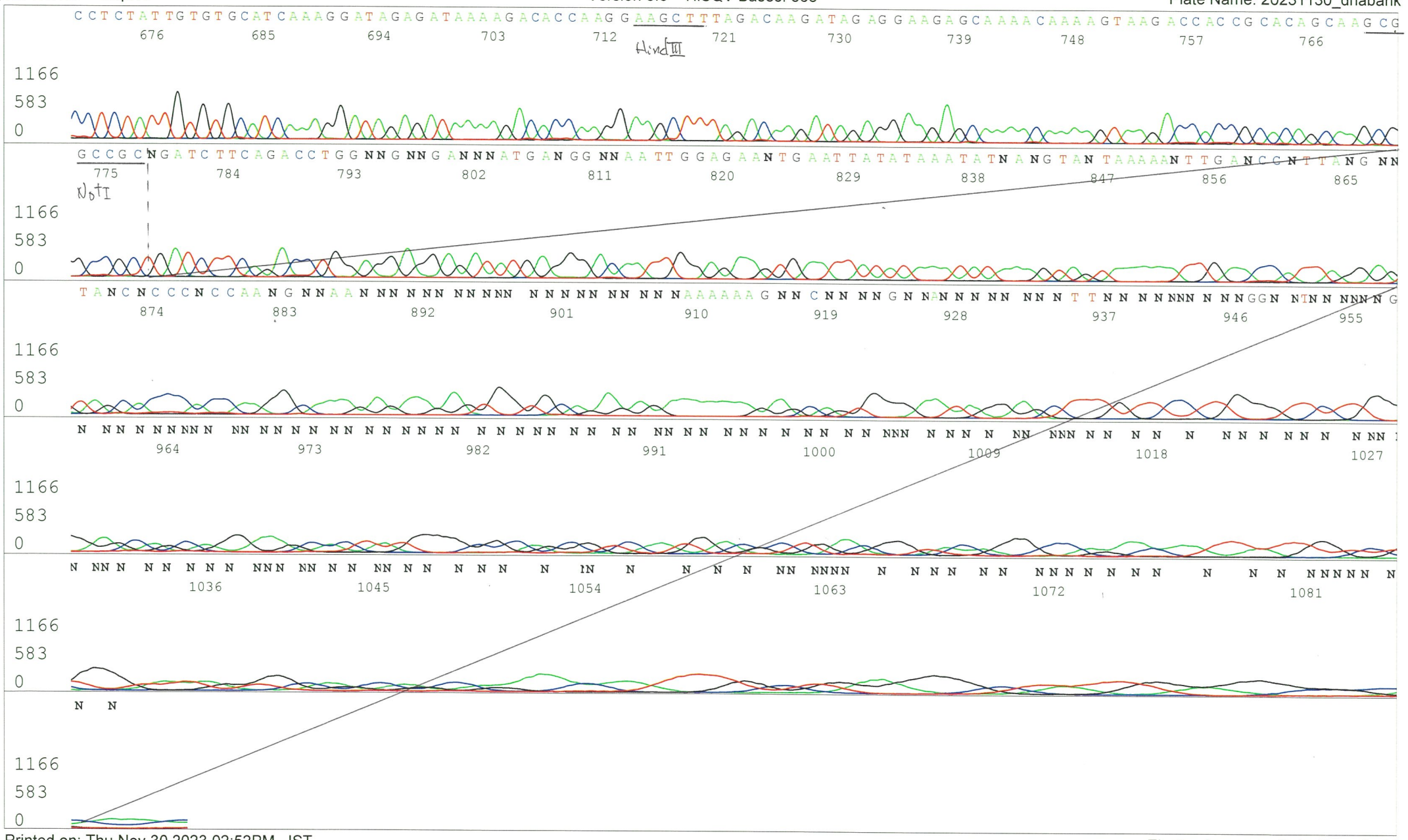


Applied Biosystems

S/N G:855 A:842 T:590 C:638
KB.bcp
KB 1.4.1.8 Cap:13

05736_20218_B3Ke_3_CMV_Forward_E01_13_ABI24
05736_20218_B3Ke_3_CMV_Forward
KB_3500_POP7_BDTv3.mob
Pts 1548 to 12634 Pk1 Loc:1525
Version 6.0 HiSQV Bases: 868

Inst Model/Name 3500/3500 Instrument
Nov 30,2023 09:40AM, JST
Nov 30,2023 10:07AM, JST
Spacing:11.43 Pts/Panel1350
Plate Name: 20231130_dnabank



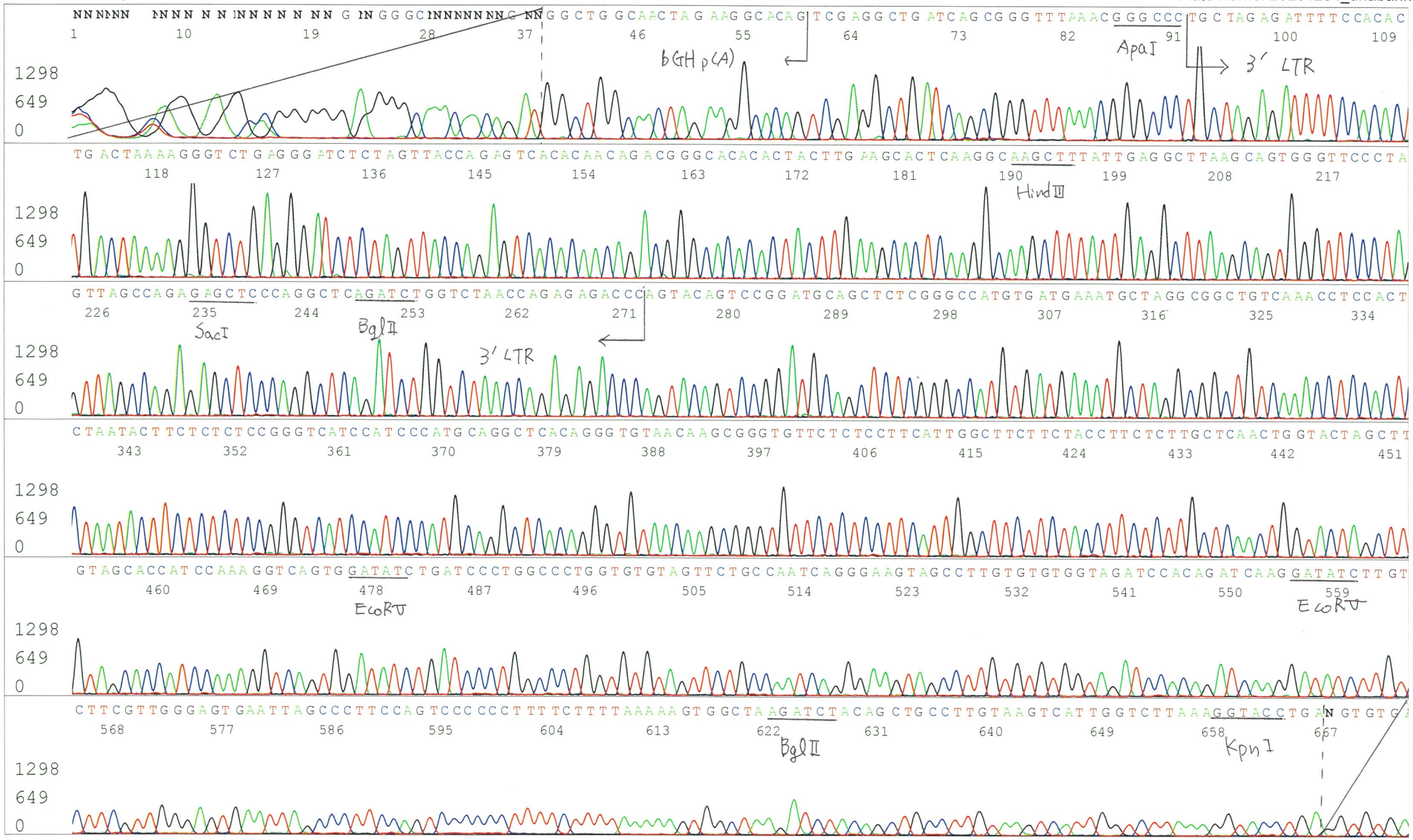
Applied Biosystems

S/N G:70 A:83 T:71 C:72
KB.bcp
KB 1.4.1.8 Cap:5

primer name F : bGH_rev3
5' TTAGGAAAGGACAGTGGGAGTG 3'

05736_20218_B3Ke_3_bGH_rev3_E01_05_ABI08
05736_20218_B3Ke_3_bGH_rev3
KB_3500_POP7_BDTv3.mob
Pts 1598 to 13135 Pk1 Loc:1575
Version 6.0 HiSQV Bases: 828

Inst Model/Name 3500/3500 Instrument
Dec 04,2023 09:50AM, JST
Dec 04,2023 10:21AM, JST
Spacing:11.57 Pts/Panel1350
Plate Name: 20231204_dnabank



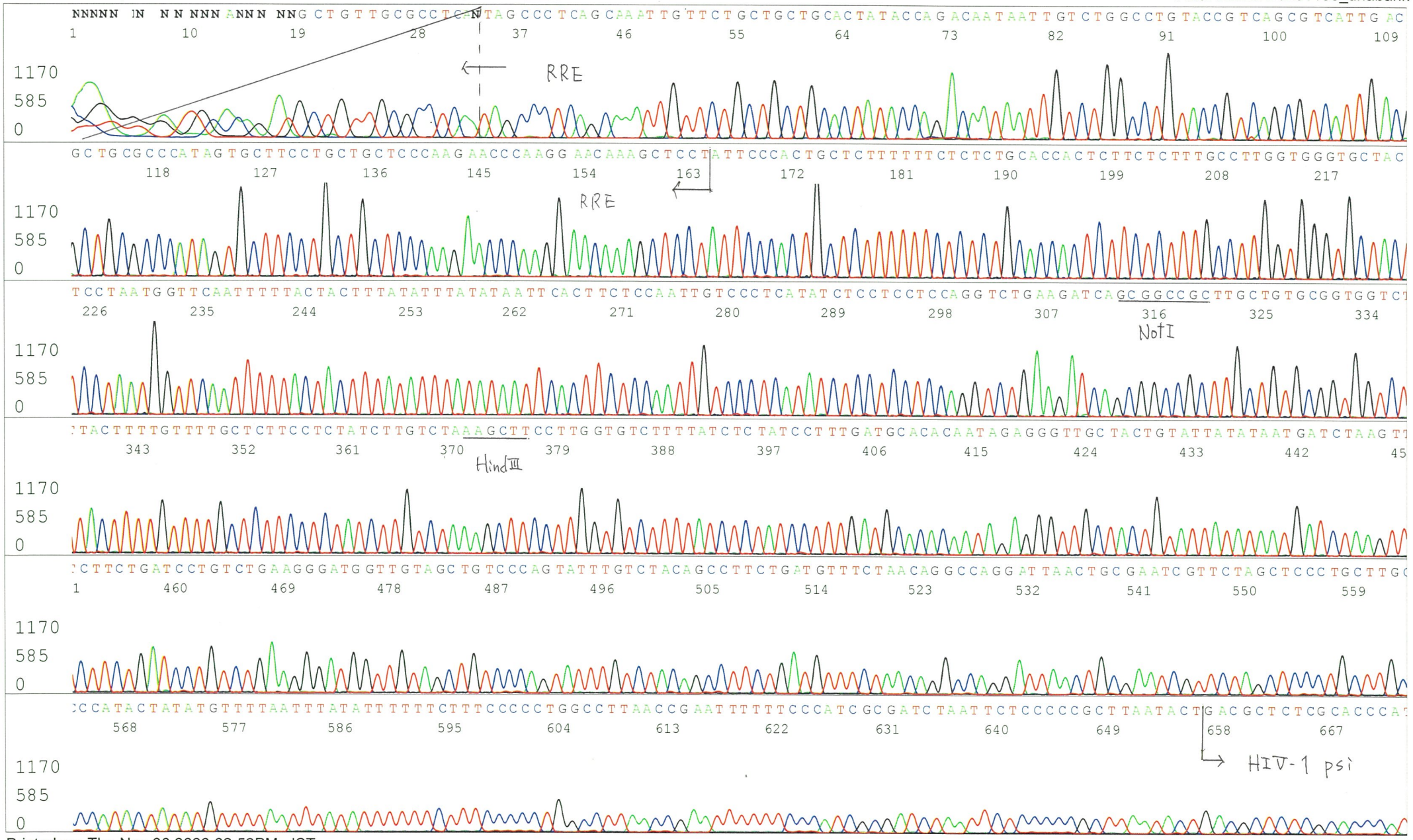
Applied Biosystems

05736_20218_B3Ke_3_RRE-M_R_F01_16_ABI24
05736_20218_B3Ke_3_RRE-M_R
KB_3500_POP7_BDTv3.mob
Pts 1552 to 12863 Pk1 Loc:1529
Version 6.0 HiSQV Bases: 888

Inst Model/Name 3500/3500 Instrument
Nov 30,2023 09:40AM, JST
Nov 30,2023 10:07AM, JST
Spacing:11.43 Pts/Panel1350
Plate Name: 20231130_dnabank

S/N G:443 A:411 T:533 C:586
KB.bcp
KB 1.4.1.8 Cap:16

primer name G : RRE-M_R
5' GATTCTTGCCTGGAGCTGCTT3'

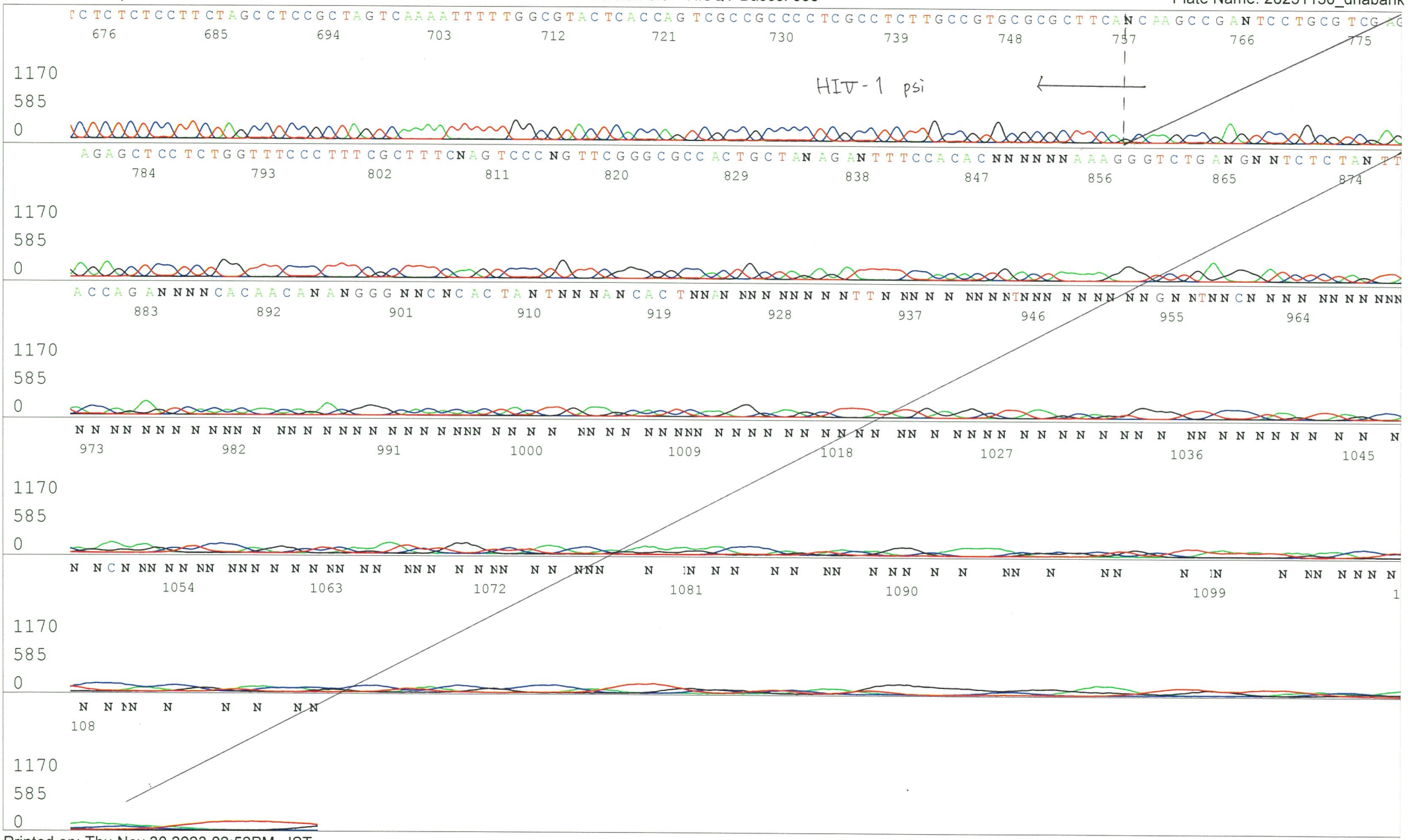


Applied Biosystems

S/N G:443 A:411 T:533 C:586
KB.bcp
KB 1.4.1.8 Cap:16

05736_20218_B3Ke_3_RRE-M_R_F01_16_ABI24
05736_20218_B3Ke_3_RRE-M_R
KB_3500_POP7_BDTv3.mob
Pts 1552 to 12863 Pk1 Loc:1529
Version 6.0 HiSQV Bases: 888

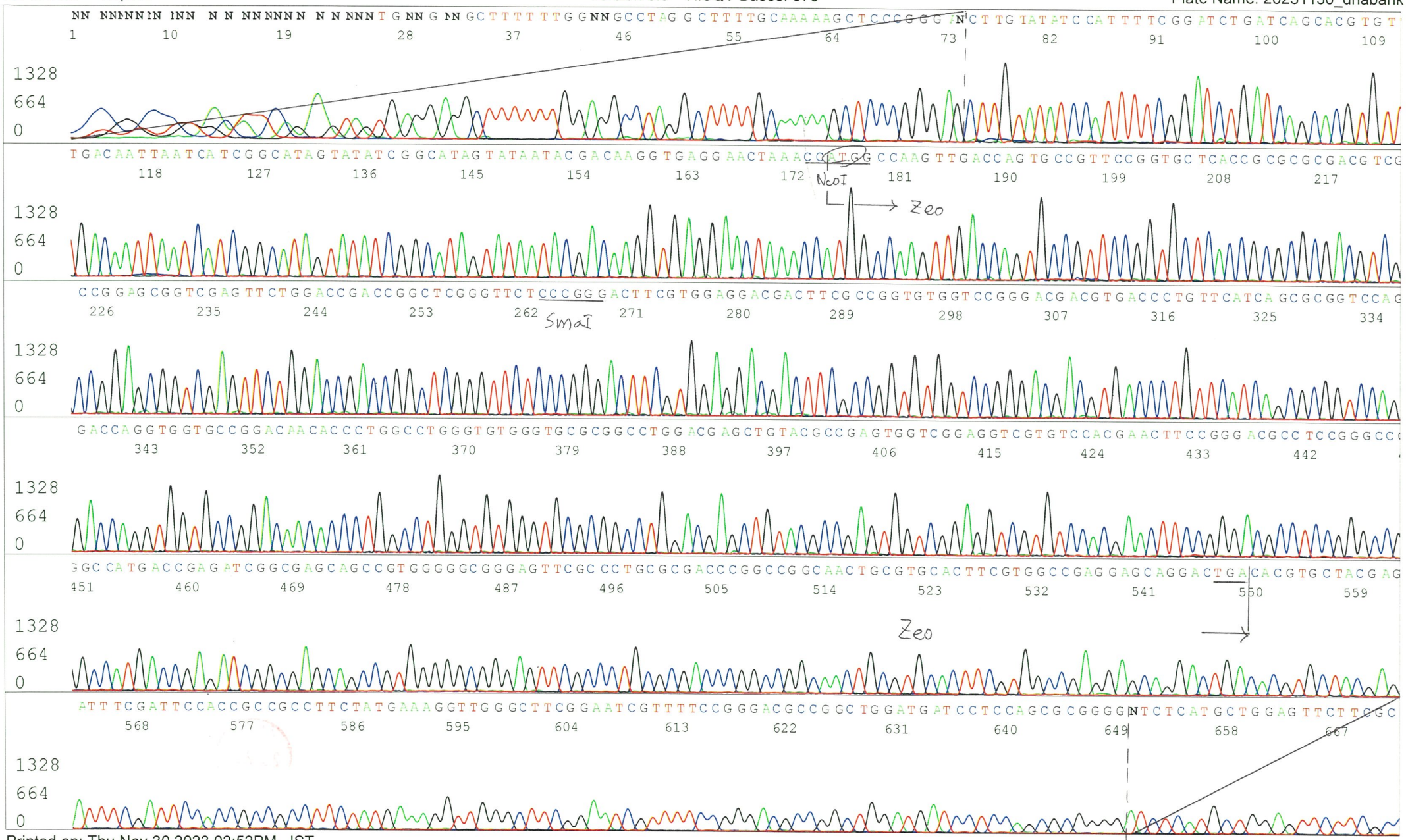
Inst Model/Name 3500/3500 Instrument
Nov 30,2023 09:40AM, JST
Nov 30,2023 10:07AM, JST
Spacing:11.43 Pts/Panel1350
Plate Name: 20231130_dnabank



Applied Biosystems

S/N G:475 A:400 T:393 C:461
KB.bcp
KB 1.4.1.8 Cap:22

primer name H : SV40pro_F
5'- TATTTATGCAGAGGCCGAGG -3'

05736_20218_B3Ke_3_SV40pro_F_H01_22_ABI24
05736_20218_B3Ke_3_SV40pro_F
KB_3500_POP7_BDTv3.mob
Pts 1499 to 12836 Pk1 Loc:1476
Version 6.0 HiSQV Bases: 878

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Nov 30,2023 09:40AM, JST
Nov 30,2023 10:07AM, JST
Spacing:11.5 Pts/Panel1350
Plate Name: 20231130_dnabank