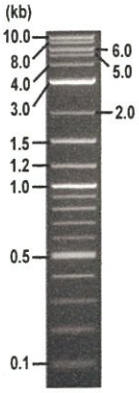
Gene Engineering Division
RIKEN BioResource Center

RIKEN DNA BANK

clone name : GEPRA-B/ pT2KXIGΔin

- Clone ID : RDB _ 15252
- Lot : 15252 _ A7H9
- 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

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



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

Restriction enzyme		Expected size of fragment	
BamHI	:	9.5	kbp
PstI	:	5.7, 1.6, 0.9, 0.7, 0.6	kbp
XhoI	:	6.2, 3.3	kbp
	:		kbp
	:		kbp

- Confirmation of the insertion sequence

Sequence name	Primer name	Sequence name	Primer name
Sequence – A	EF1a-C_F2	Sequence – E	pT2KXIG#1
Sequence – B	pAxCALNL_F1	Sequence – F	–
Sequence – C	RARbeta_LBD	Sequence – G	–
Sequence – D	EF1a-N_R2	Sequence – H	–

APPROVED BY :

確認 17.11.24 金藤

Applied Biosystems

S/N G:130 A:147 T:163 C:140
KB.bcp
KB 1.4.1.8 Cap:7

primer name A : EF1a-C_F2
5'- AATCCCCGCCCAGTAGAGGC -3'

D04498G1-2_A7H9_EF1a-C_F2_C10_07_ABI24
D04498G1-2_A7H9_EF1a-C_F2
KB_3500_POP7_BDTv3.mob
Pts 1449 to 13053 Pk1 Loc:1426
Version 6.0 HiSQV Bases: 975

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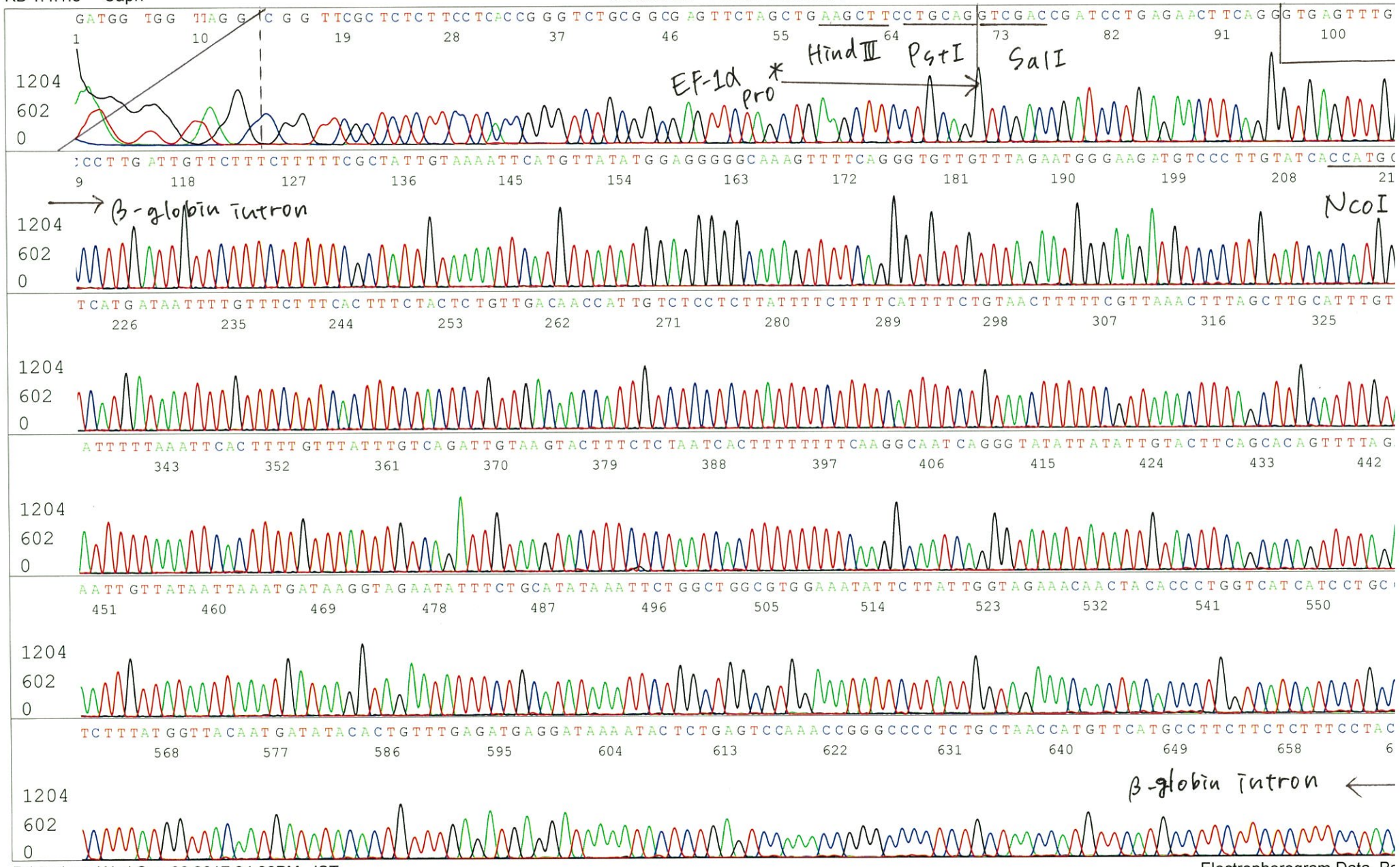
Sep 06,2017 02:24F
Spacing:11.58 Pts/Pa
Plate Name: 2017090(



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Electropherogram Data Pa

Applied Biosystems

S/N G:130 A:147 T:163 C:140
KB.bcp
KB 1.4.1.8 Cap:7

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D04498G1-2_A7H9_EF1a-C_F2
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Pts 1449 to 13053 Pk1 Loc:1426
Version 6.0 HiSQV Bases: 975

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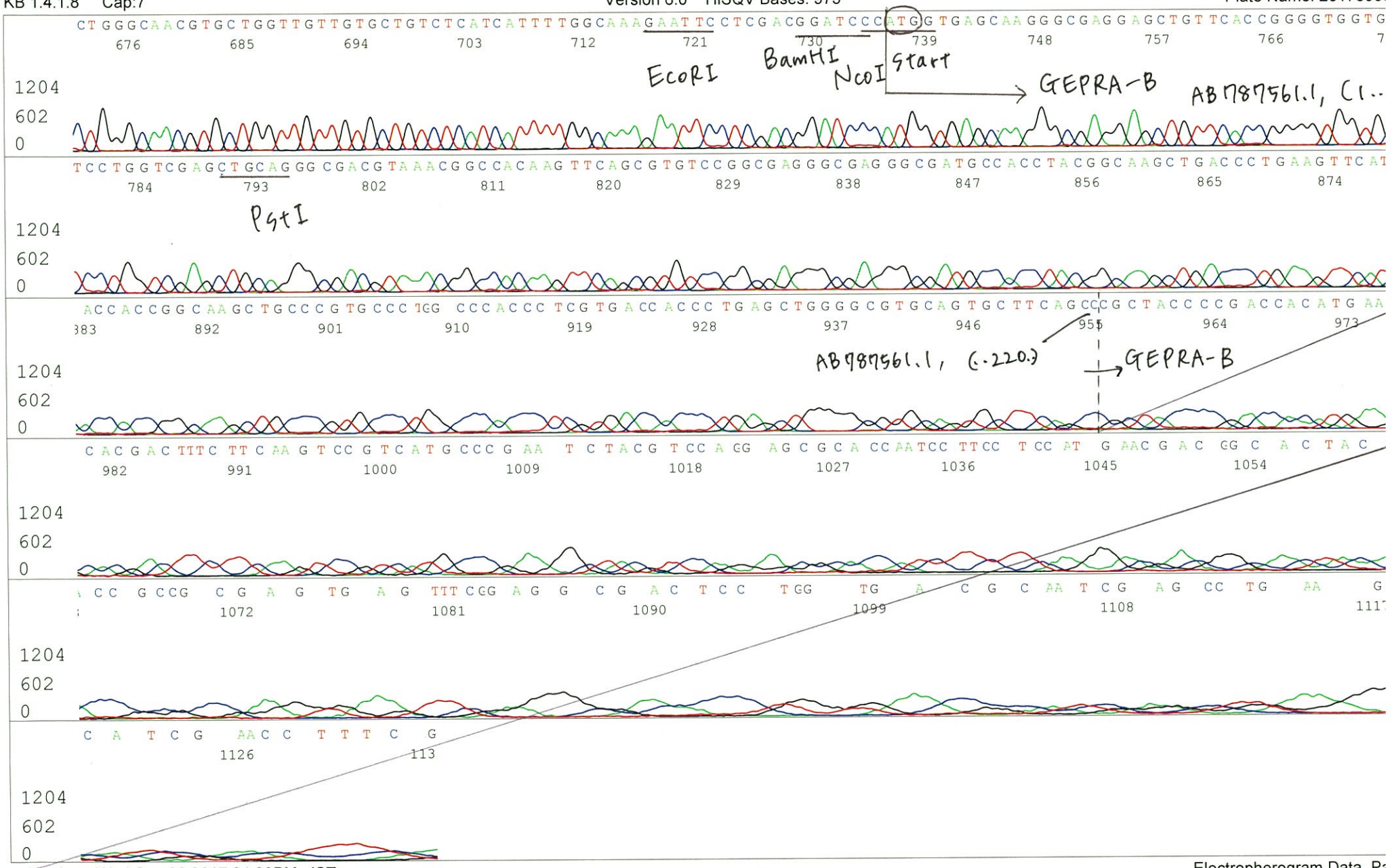

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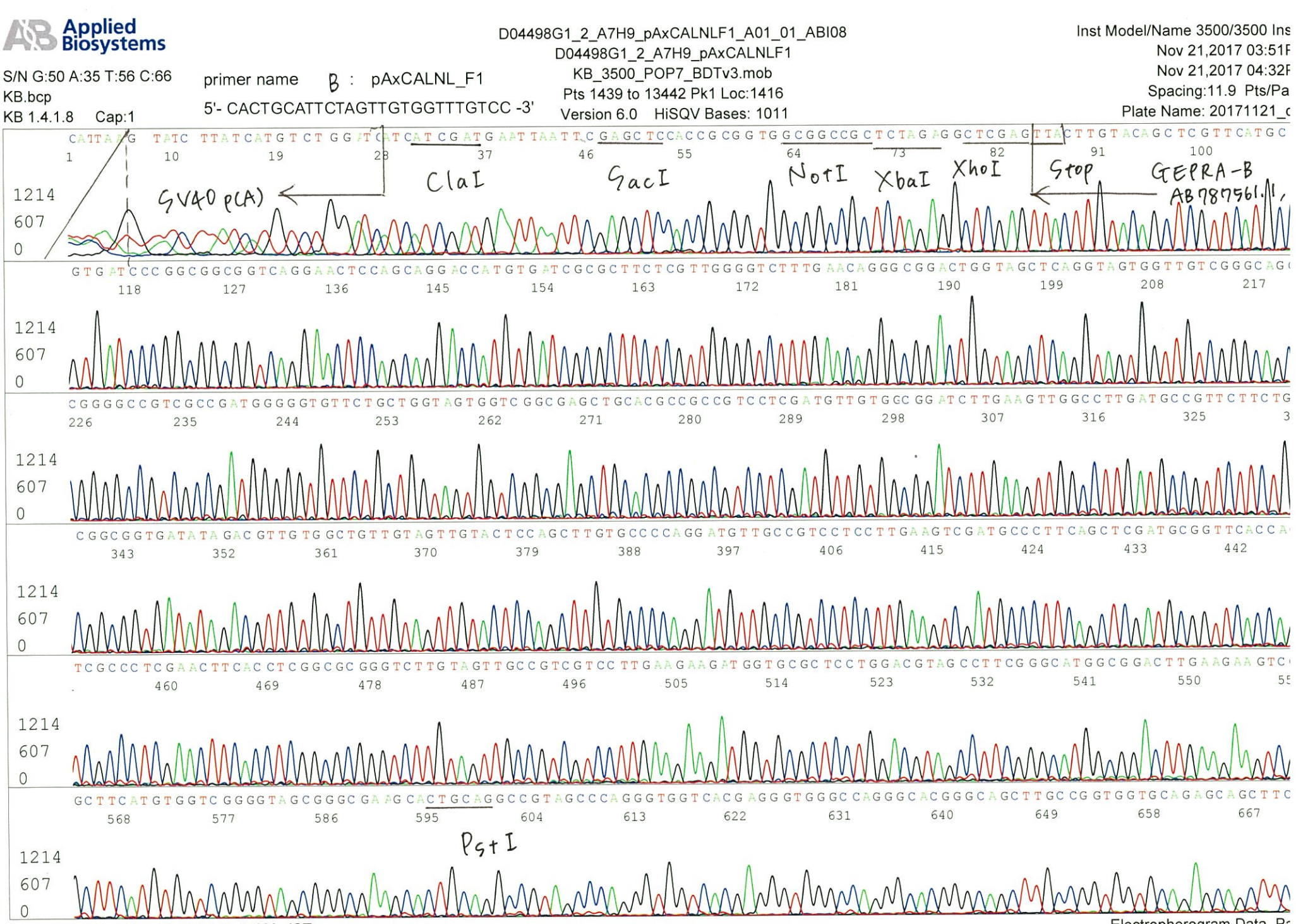
Applied Biosystems
S/N G:50 A:35 T:56 C:66
KB.bcp
KB 1.4.1.8 Cap:1
primer name B : pAxCALNL_F1
5'- CACTGCATTCTAGTTGTGGTTTGTCC -3'
D04498G1_2_A7H9_pAxCALNLF1_A01_01_ABI08
D04498G1_2_A7H9_pAxCALNLF1
KB_3500_POP7_BDTv3.mob
Pts 1439 to 13442 Pk1 Loc:1416
Version 6.0 HiSQV Bases: 1011
Inst Model/Name 3500/3500 Ins
Nov 21,2017 03:51F
Nov 21,2017 04:32F
Spacing:11.9 Pts/Pa
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SV40 p(A)
ClaI
SacI
NotI
XbaI
XhoI
Stop
GEPRA-B
AB787561.1,
PstI
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Electropherogram Data Pa

Applied Biosystems

S/N G:50 A:35 T:56 C:66
KB.bcp
KB 1.4.1.8 Cap:1

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D04498G1_2_A7H9_pAxCALNLF1
KB_3500_POP7_BDTv3.mob
Pts 1439 to 13442 Pk1 Loc:1416
Version 6.0 HiSQV Bases: 1011

Inst Model/Name 3500/3500 Ins
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Spacing:11.9 Pts/Pa
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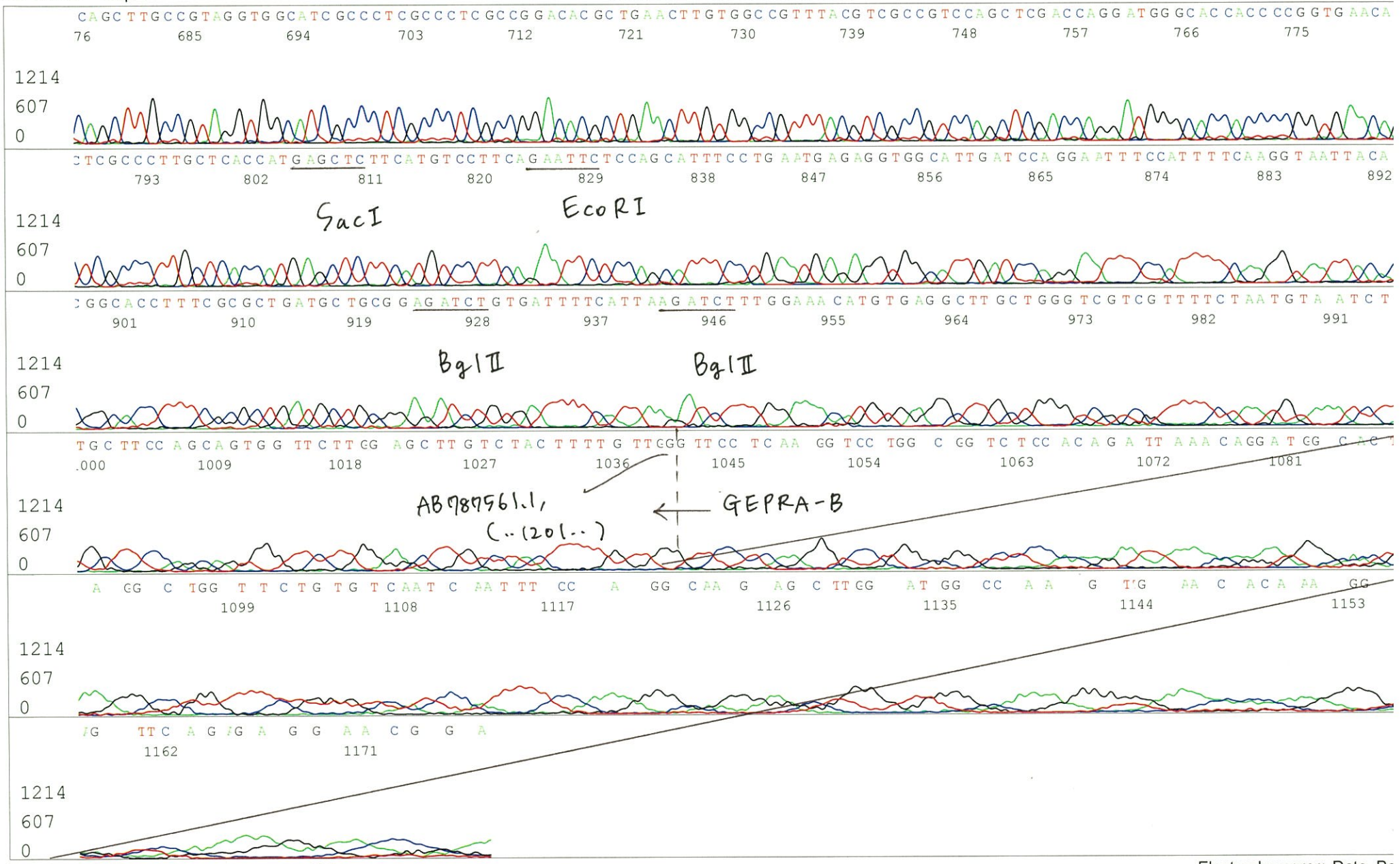

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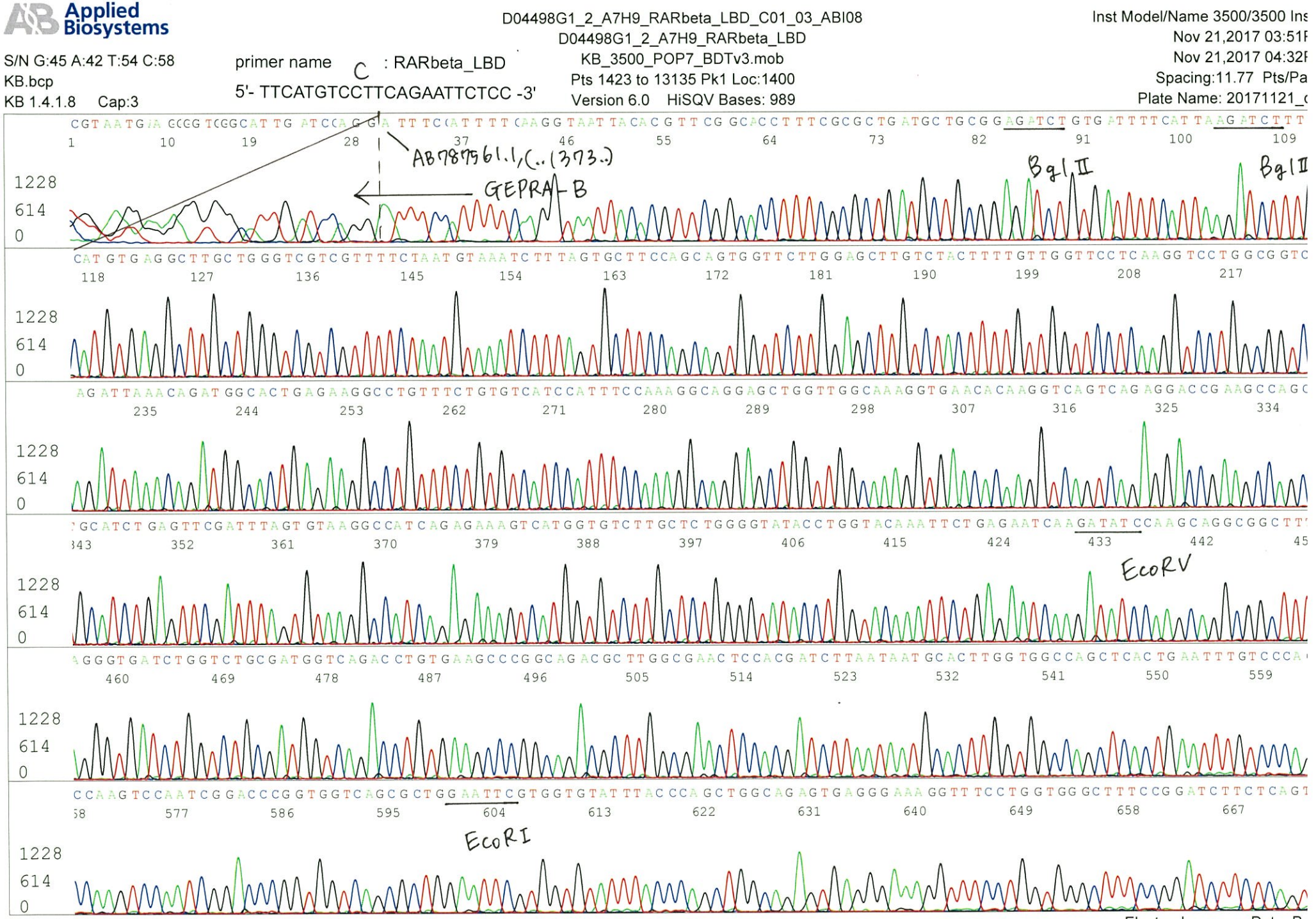
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S/N G:45 A:42 T:54 C:58
KB.bcp
KB 1.4.1.8 Cap:3
primer name : RARbeta_LBD
5'- TTCATGTCCTTCAGAATTCTCC -3'
D04498G1_2_A7H9_RARbeta_LBD_C01_03_ABI08
D04498G1_2_A7H9_RARbeta_LBD
KB_3500_POP7_BDTv3.mob
Pts 1423 to 13135 Pk1 Loc:1400
Version 6.0 HiSQV Bases: 989
Inst Model/Name 3500/3500 Ins
Nov 21,2017 03:51F
Nov 21,2017 04:32F
Spacing:11.77 Pts/Pa
Plate Name: 20171121_
AB787561.1,(..(373..)
GEPRA-B
Bgl II
Bgl II
EcoRV
EcoRI
1228
614
0
Printed on: Wed Nov 22,2017 09:07AM, JST
Electropherogram Data Pa

Applied Biosystems

S/N G:45 A:42 T:54 C:58
KB.bcp
KB 1.4.1.8 Cap:3

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D04498G1_2_A7H9_RARbeta_LBD
KB_3500_POP7_BDTv3.mob
Pts 1423 to 13135 Pk1 Loc:1400
Version 6.0 HiSQV Bases: 989

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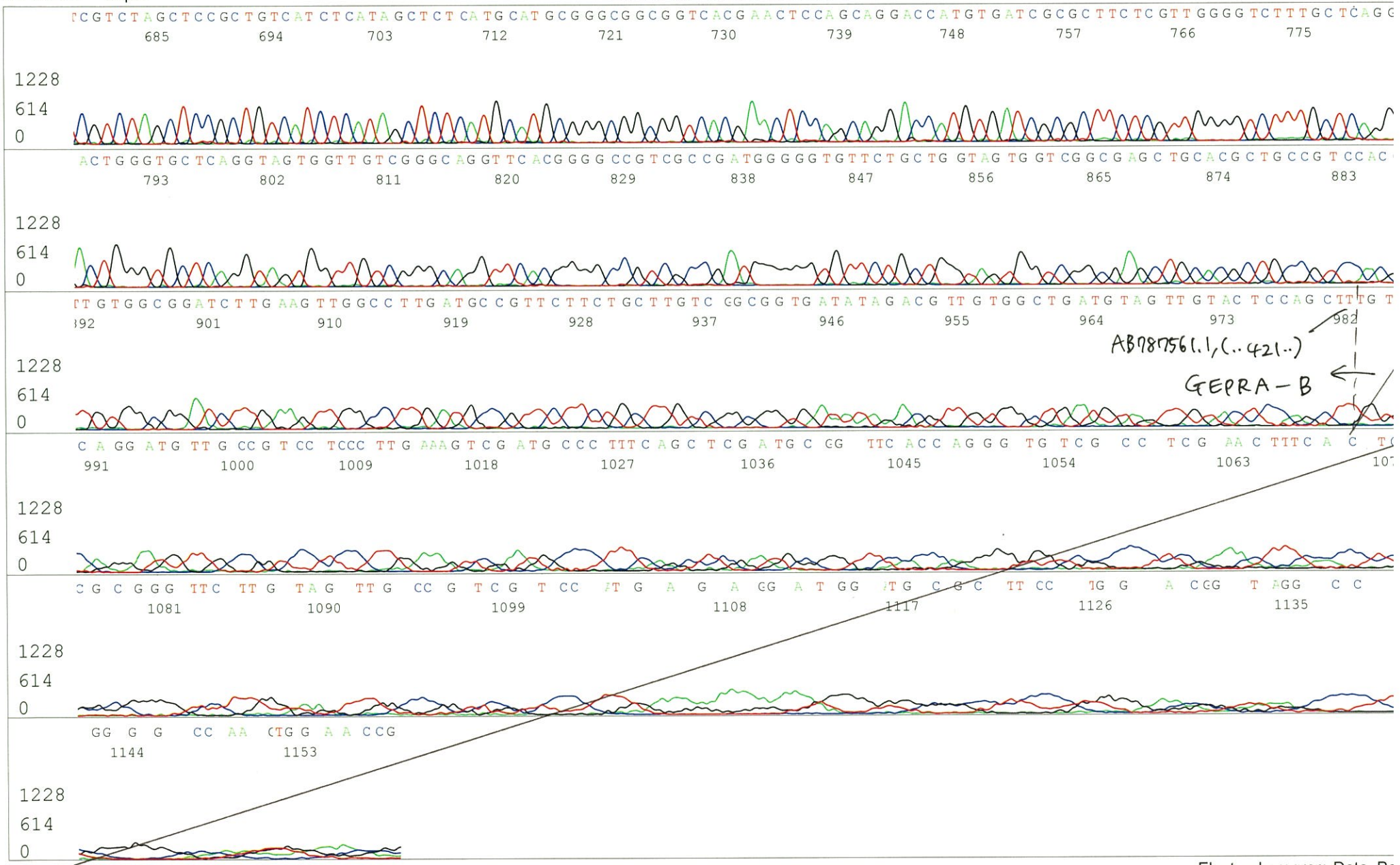

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Electropherogram Data Pa

Applied Biosystems

S/N G:64 A:88 T:86 C:74
KB.bcp
KB 1.4.1.8 Cap:13

primer name D : EF1a-N_R2
5'- TGATAGTGGACCTTAAGCCG -3'

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D04498G1-2_A7H9_EF1a-N_R2
KB_3500_POP7_BDTv3.mob
Pts 1449 to 12868 Pk1 Loc:1426
Version 6.0 HiSQV Bases: 995

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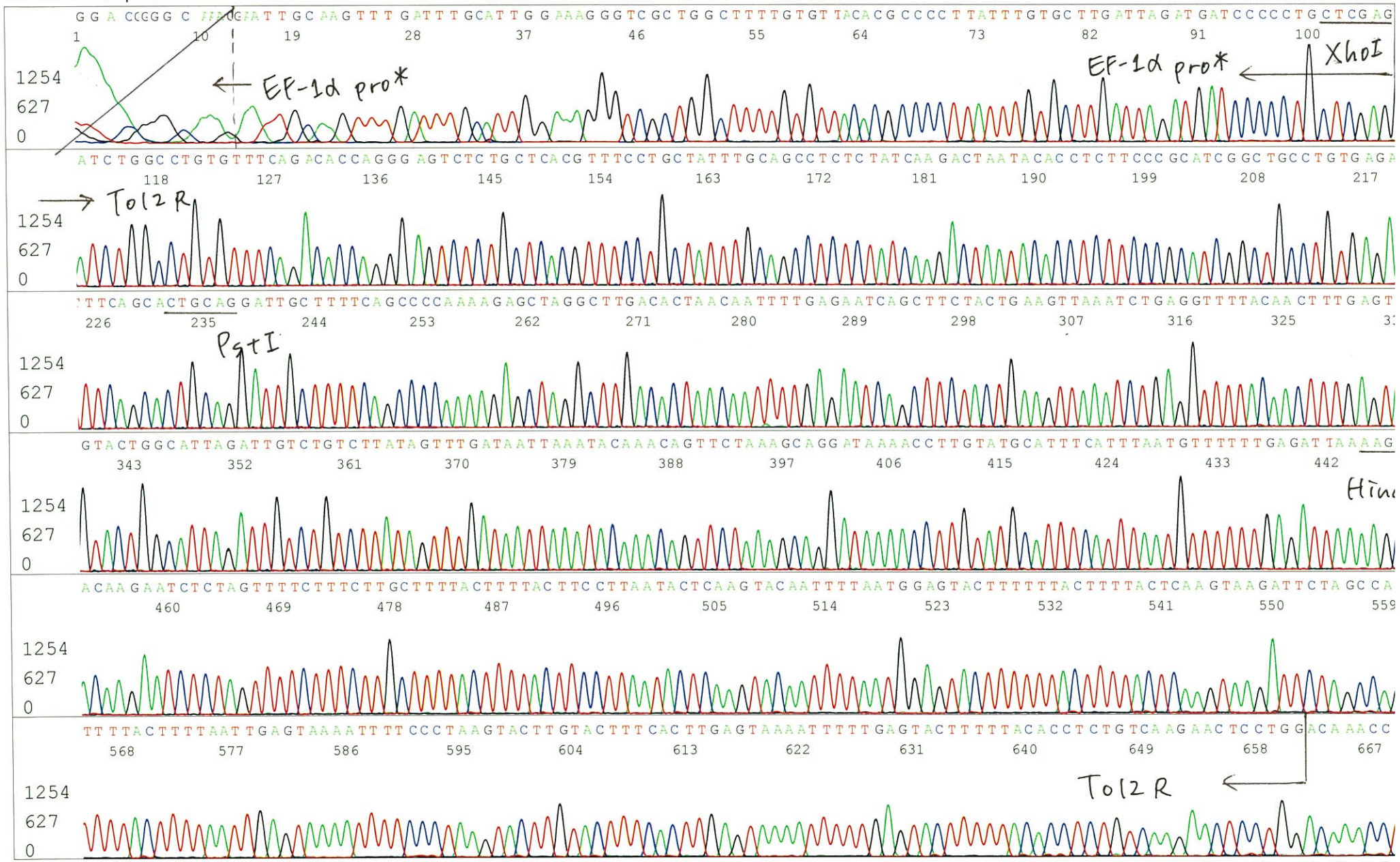

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Electropherogram Data Pa

Applied Biosystems

S/N G:64 A:88 T:86 C:74
KB.bcp
KB 1.4.1.8 Cap:13

D04498G1-2_A7H9_EF1a-N_R2_E10_13_ABI24
D04498G1-2_A7H9_EF1a-N_R2
KB_3500_POP7_BDTv3.mob
Pts 1449 to 12868 Pk1 Loc:1426
Version 6.0 HiSQV Bases: 995

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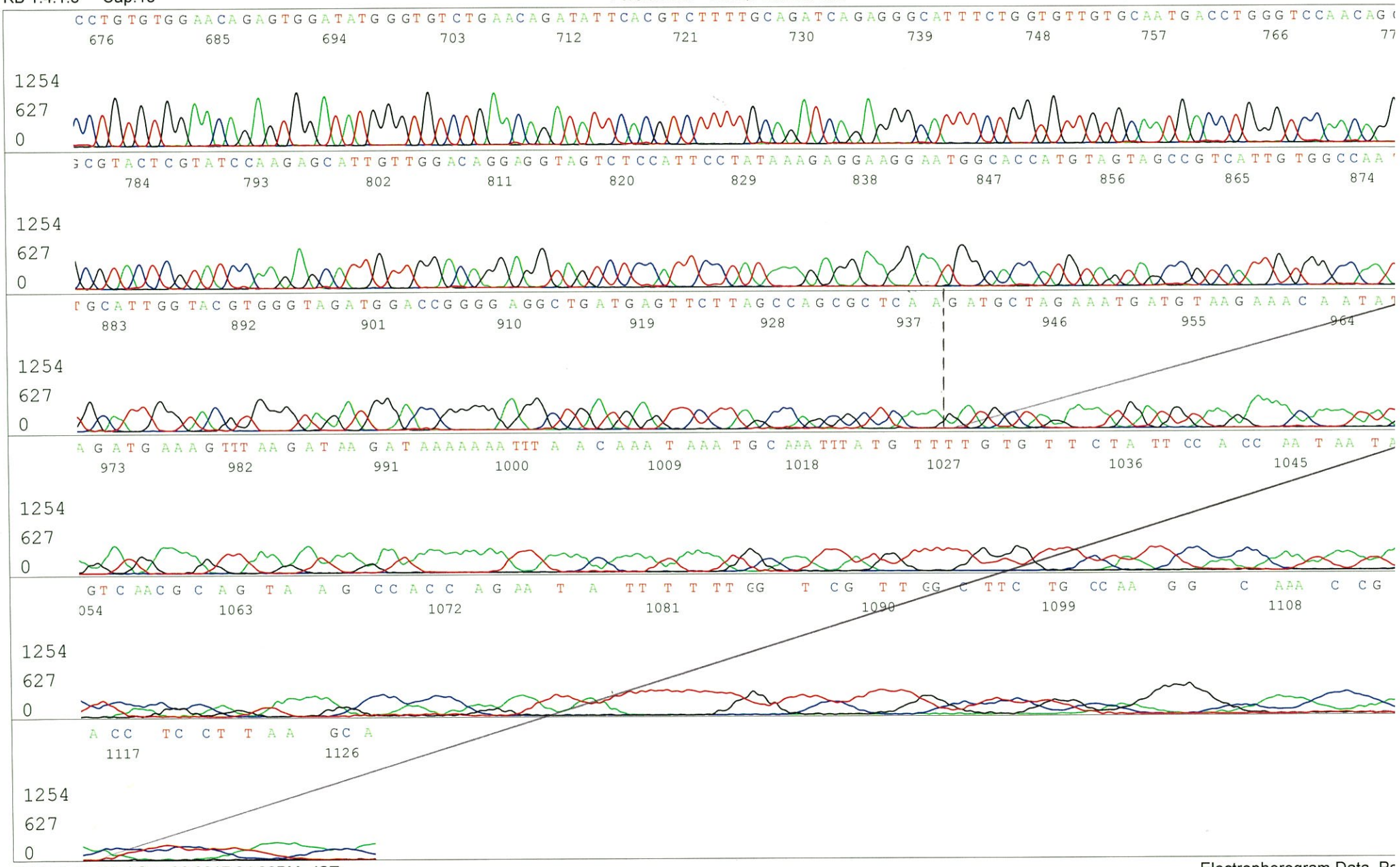
Plate Name: 2017090



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Electropherogram Data Pa

Applied Biosystems

S/N G:34 A:45 T:54 C:48
KB.bcp
KB 1.4.1.8 Cap:2

primer name E : pT2KXIG#1
5'- AGGAAACAGCTATGACCATG -3'

D04498G1_2_A7H9_pT2KXIG#1_B01_02_ABI08
D04498G1_2_A7H9_pT2KXIG#1
KB_3500_POP7_BDTv3.mob
Pts 1412 to 13238 Pk1 Loc:1389
Version 6.0 HiSQV Bases: 1019

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Nov 21,2017 04:32F
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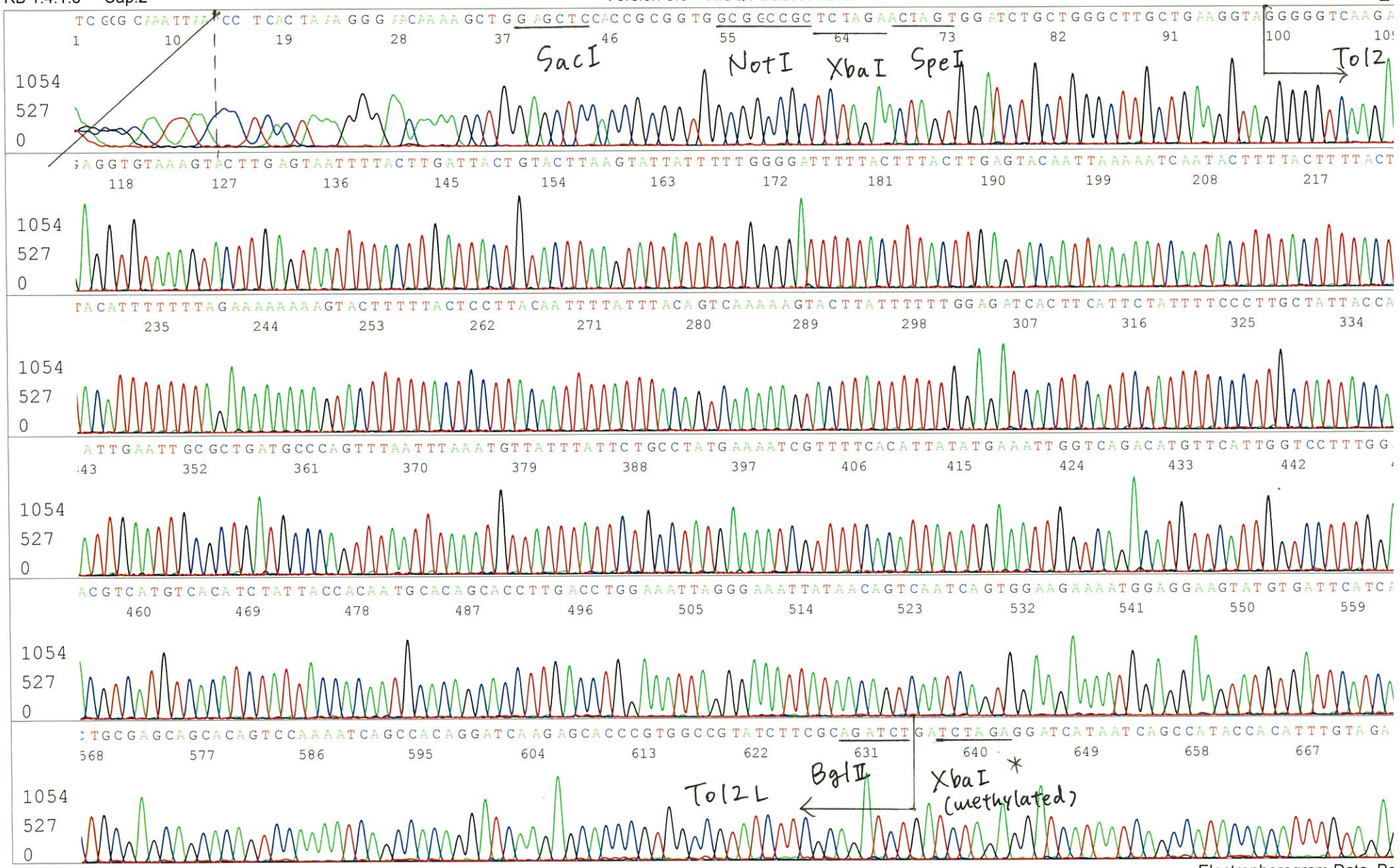

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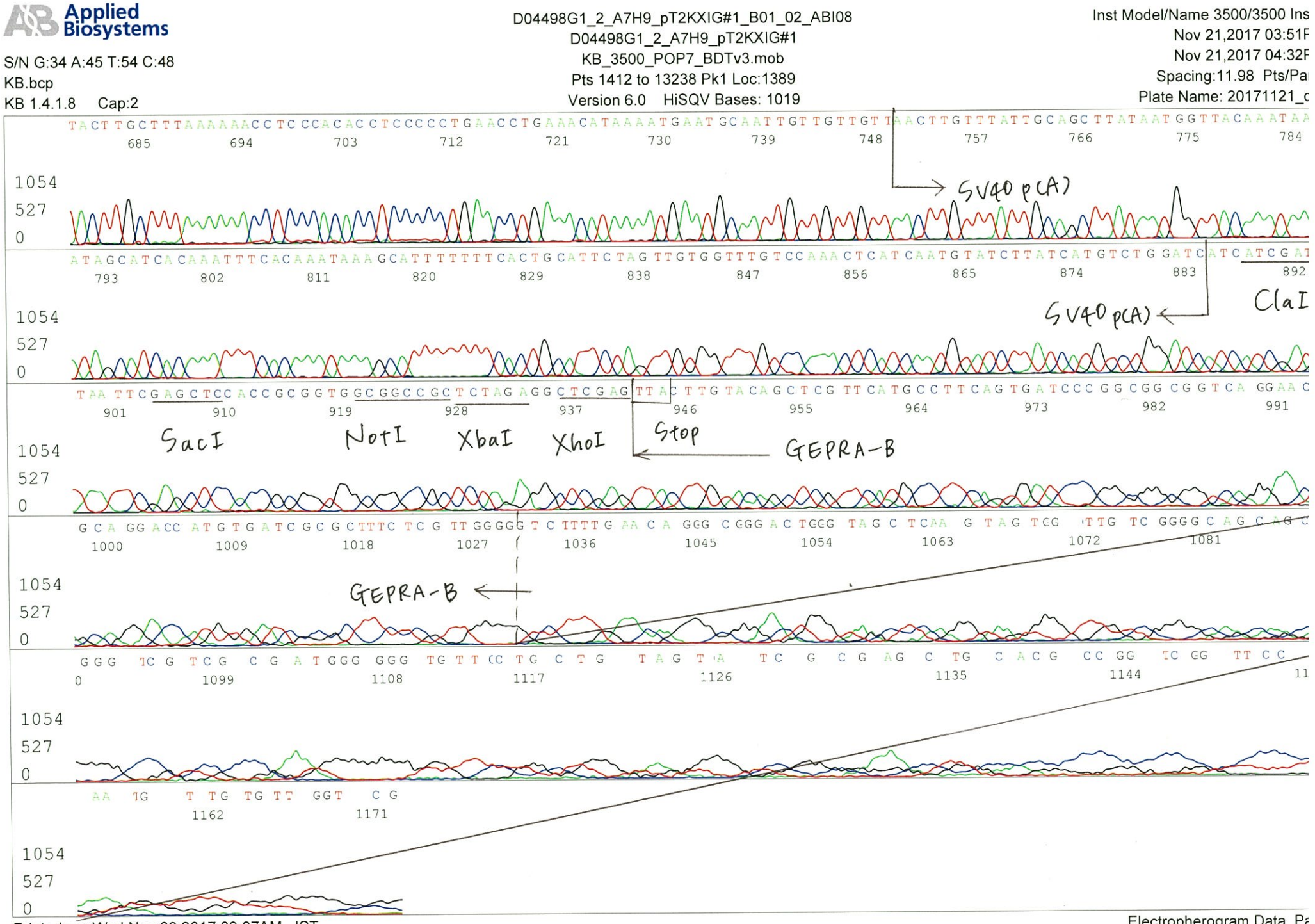
Applied Biosystems
S/N G:34 A:45 T:54 C:48
KB.bcp
KB 1.4.1.8 Cap:2
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D04498G1_2_A7H9_pT2KXIG#1
KB_3500_POP7_BDTv3.mob
Pts 1412 to 13238 Pk1 Loc:1389
Version 6.0 HiSQV Bases: 1019
Inst Model/Name 3500/3500 Ins
Nov 21,2017 03:51F
Nov 21,2017 04:32F
Spacing:11.98 Pts/Pa
Plate Name: 20171121_c
SV40 p(A)
SV40 p(A)
ClaI
SacI
NotI
XbaI
XhoI
Stop
GEPRA-B
GEPRA-B
Printed on: Wed Nov 22,2017 09:07AM, JST
Electropherogram Data Pa