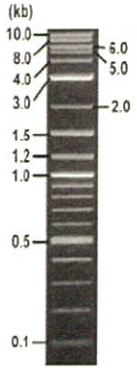
Gene Engineering Division
RIKEN BioResource Research Center

RIKEN DNA BANK

clone name : pMK287 (mAID-Hygro)

- **Clone ID** : RDB _ 13930
- **Lot** : 13930 _ A6B8
- **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



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

Restriction enzyme		Expected size of fragment	
EcoRI	:	**5.7**	kbp
BamHI	:	**2.9, 2.8**	kbp
ClaI	:	**3.6, 2.0**	kbp
	:		kbp

- **Confirmation of the insertion sequence**

Sequence name	Primer name	Sequence name	Primer name
Sequence – A	M13_-40	Sequence – E	–
Sequence – B	PGKpro_F	Sequence – F	–
Sequence – C	M13R	Sequence – G	–
Sequence – D	–	Sequence – H	–

APPROVED BY :

確認 19.6.27 栗原

Applied Biosystems

S/N G:371 A:383 T:275 C:275
KB.bcp
KB 1.4.1.8 Cap:21

primer name A : M13_-40
5'-GTTTTCCCAGTCACGACGTTGTA-3'

D03070A14_A6B8_1_M13(-40)_G03_21
D03070A14_A6B8_1_M13(-40)
KB_3500_POP7_BDTv3.mob
Pts 1347 to 12987 Pk1 Loc:1324
Version 6.0 HiSQV Bases: 1003

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Mar 02,2016 11:09AM, JST
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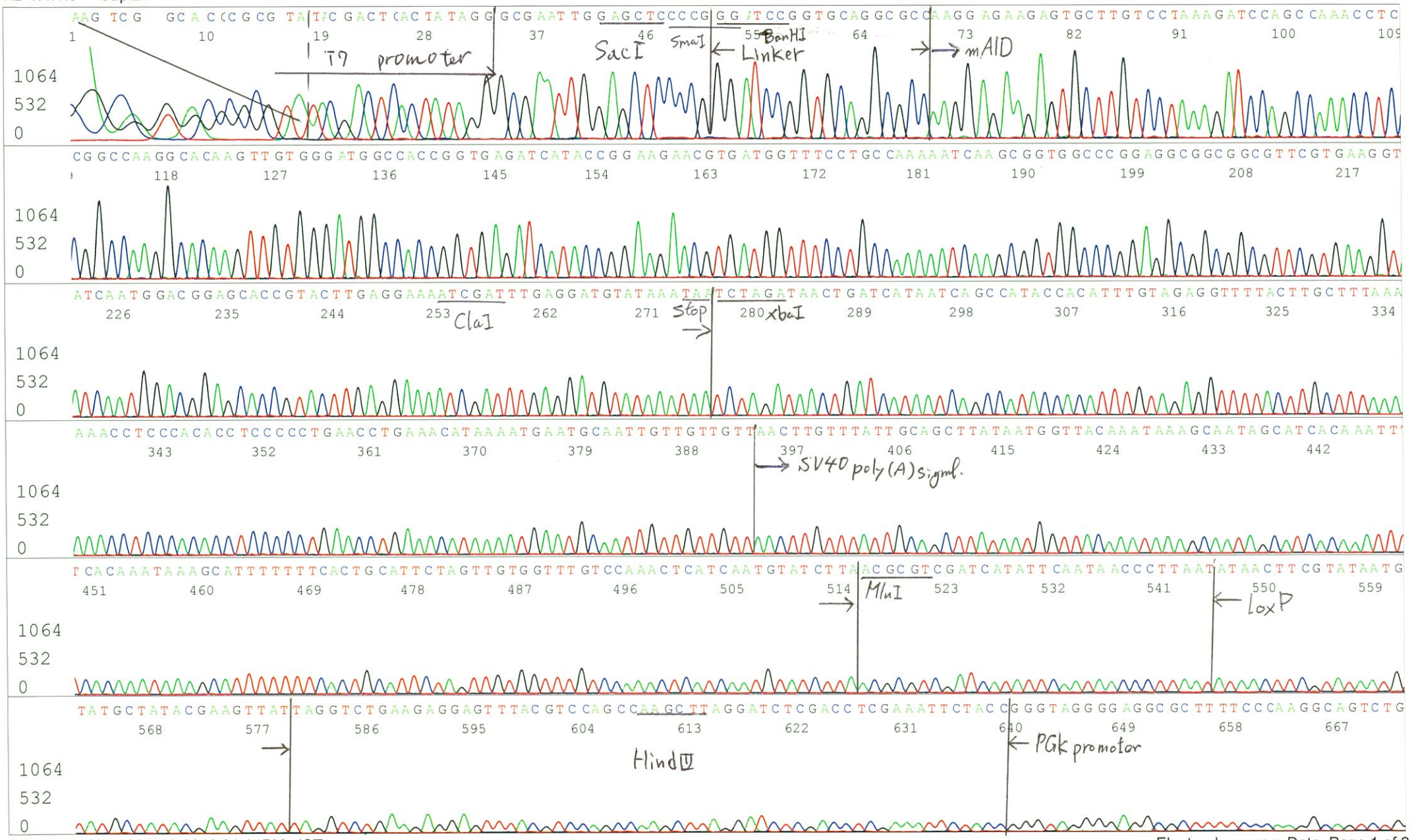

GAGCATGCGCTTTAGCAGCCCCGCTGGGCACTTGGCGCTACACAAGTGGCCTCTGGCCTCGCACACATTCCACATCCACCGGTAGGCGCCAACCGACTCCGTTCTTTGGT
676 685 694 703 712 721 730 739 748 757 766 775
1064
532
0
GGCCCCTTCGCGCCACCTTCTACTCCTCCCCTAGTCAGGAAGTTCCCCCCCGCCCCGCAGCTCGCGTCGTGCAGGACGTGACAAATGGAAGTAGCACGTCTCACTAGT
784 793 802 811 820 829 838 847 856 865 874 883
SpeI
1064
532
0
CTCGTGCAGATGGACAGCACCGCTGAGCAATGGAAGCGGGTAGCCTTTGGGGCAGCGGCCAATAGCAGCTTTGCTCCTTCGCTTTCTGGGCTCAGAGGCTGC
892 901 910 919 928 937 946 955 964 973 982 991
1064
532
0
G AAGGGGTGGGTCC GGGGGCGGGCTCA GGGCGCGGCTCA GGGC GGGGCGCGGCGCCGAAGTCTTCTGAGCCCGGCATCTGCAC
1000 1009 1018 1027 1036 1045 1054 1063 1072
1064
532
0
GC TCCA AGCGCACG TCTG CGCGC TGA TCTCC TC T TC A TCT C GG C T T C G A CC TG C A T CC
1081 1090 1099 1108 1117 1126
1064
532
0
A TTC TAG AATCTCT TCG
1135 1144
1064
532
0

Applied Biosystems

S/N G:326 A:228 T:328 C:305
KB.bcp
KB 1.4.1.8 Cap:19

primer name B : PGKpro_F
5'- ATTCTGCACGCTTCAAAAG -3'

D03070A14_A6B8_1_PGK-proF_G07_19
D03070A14_A6B8_1_PGK-proF
KB_3500_POP7_BDTv3.mob
Pts 1333 to 13073 Pk1 Loc:1310
Version 6.0 HiSQV Bases: 984

Inst Model/Name 3500/3500 Instrument
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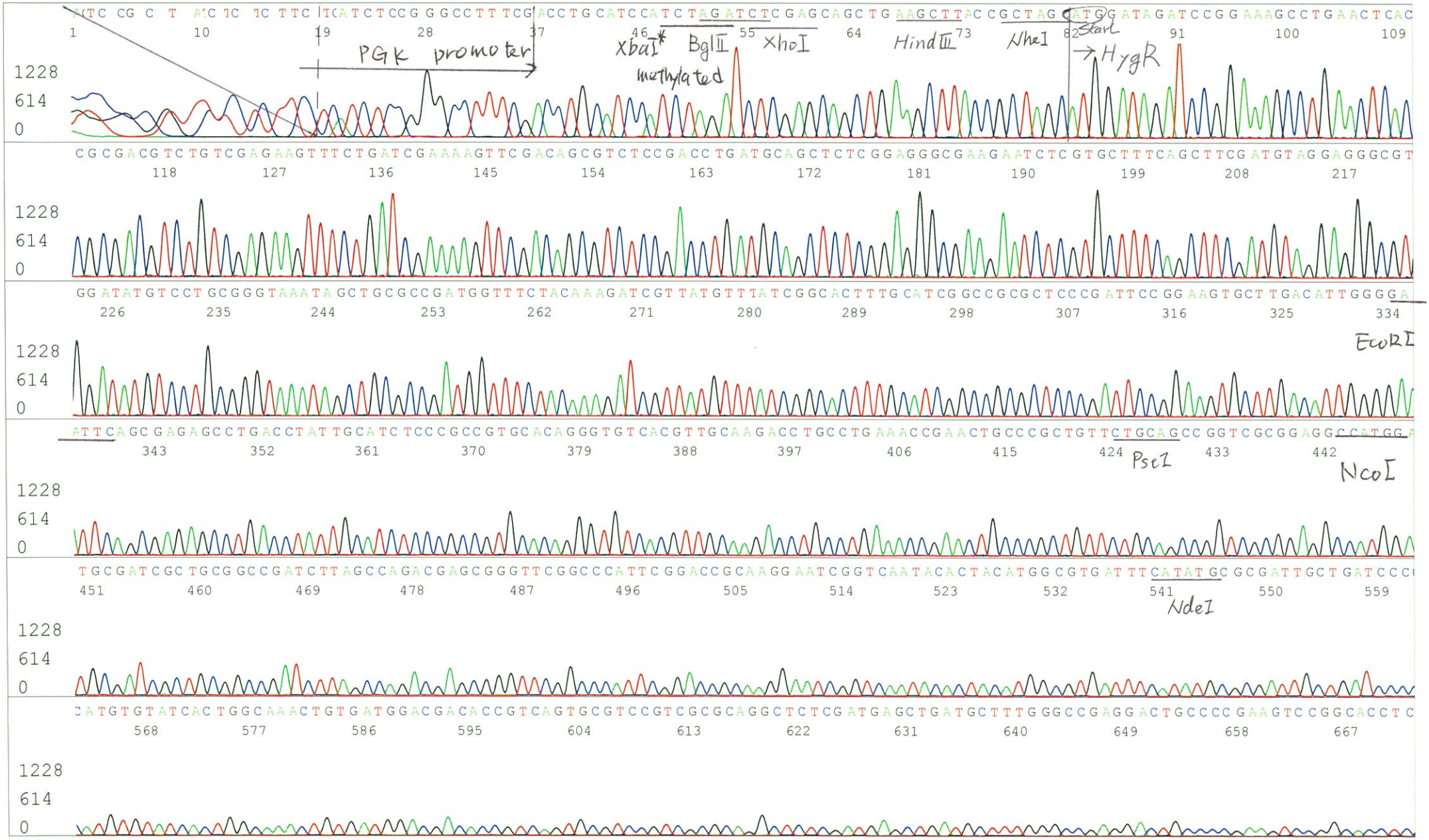
Spacing:11.49 Pts/Panel1350
Plate Name: 20160303 kitaku



Applied Biosystems

S/N G:326 A:228 T:328 C:305
KB.bcp
KB 1.4.1.8 Cap:19

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KB_3500_POP7_BDTv3.mob
Pts 1333 to 13073 Pk1 Loc:1310
Version 6.0 HiSQV Bases: 984

Inst Model/Name 3500/3500 Instrument
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Mar 03,2016 12:59PM, JST
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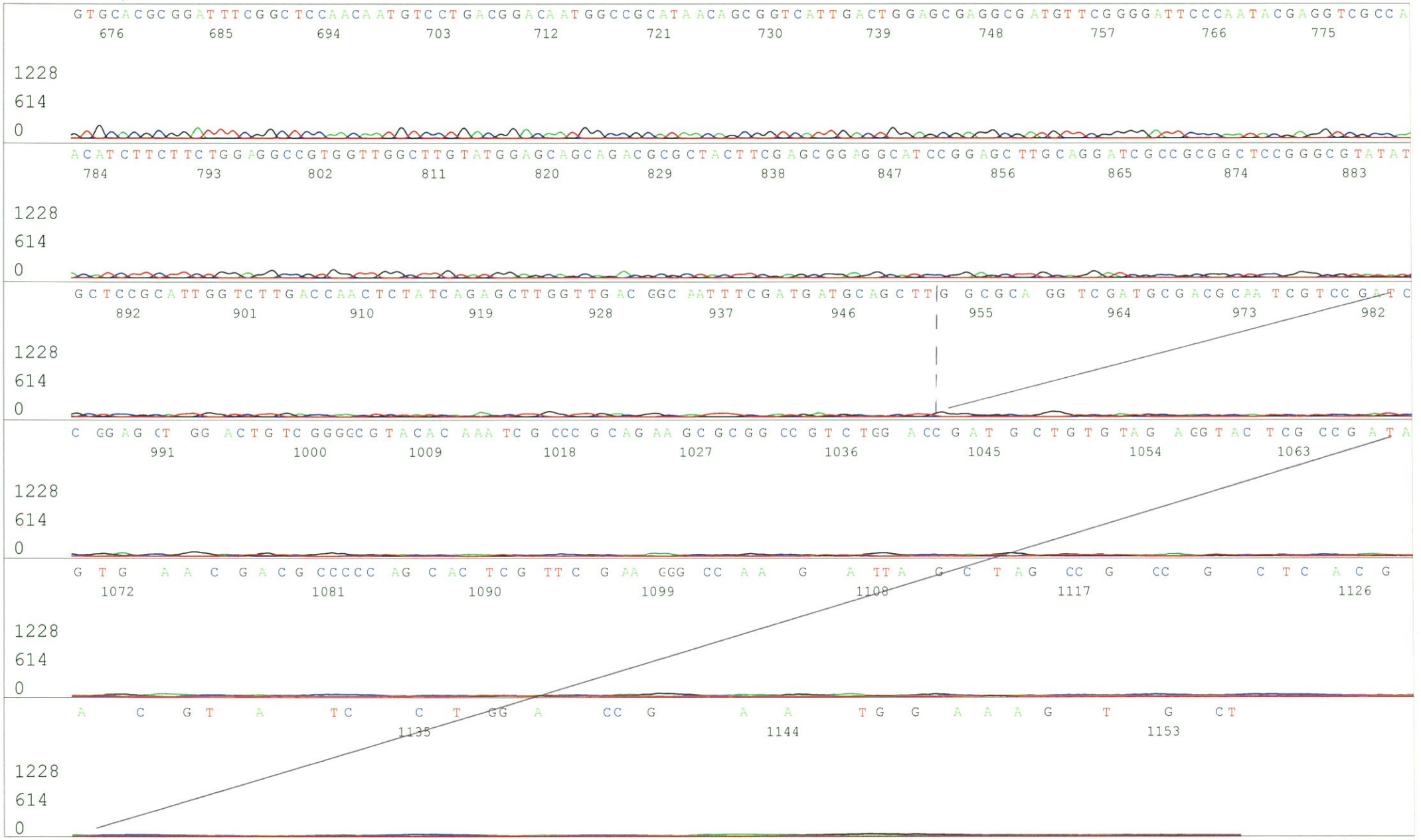

Applied Biosystems

S/N G:65 A:62 T:66 C:54
KB.bcp
KB 1.4.1.8 Cap:9

primer name C : M13R
5'-CAGGAAACAGCTATGAC-3'

D03070A14_A6B8_1_M13R_C03_09
D03070A14_A6B8_1_M13R
KB_3500_POP7_BDTv3.mob
Pts 1366 to 12907 Pk1 Loc:1343
Version 6.0 HiSQV Bases: 1001

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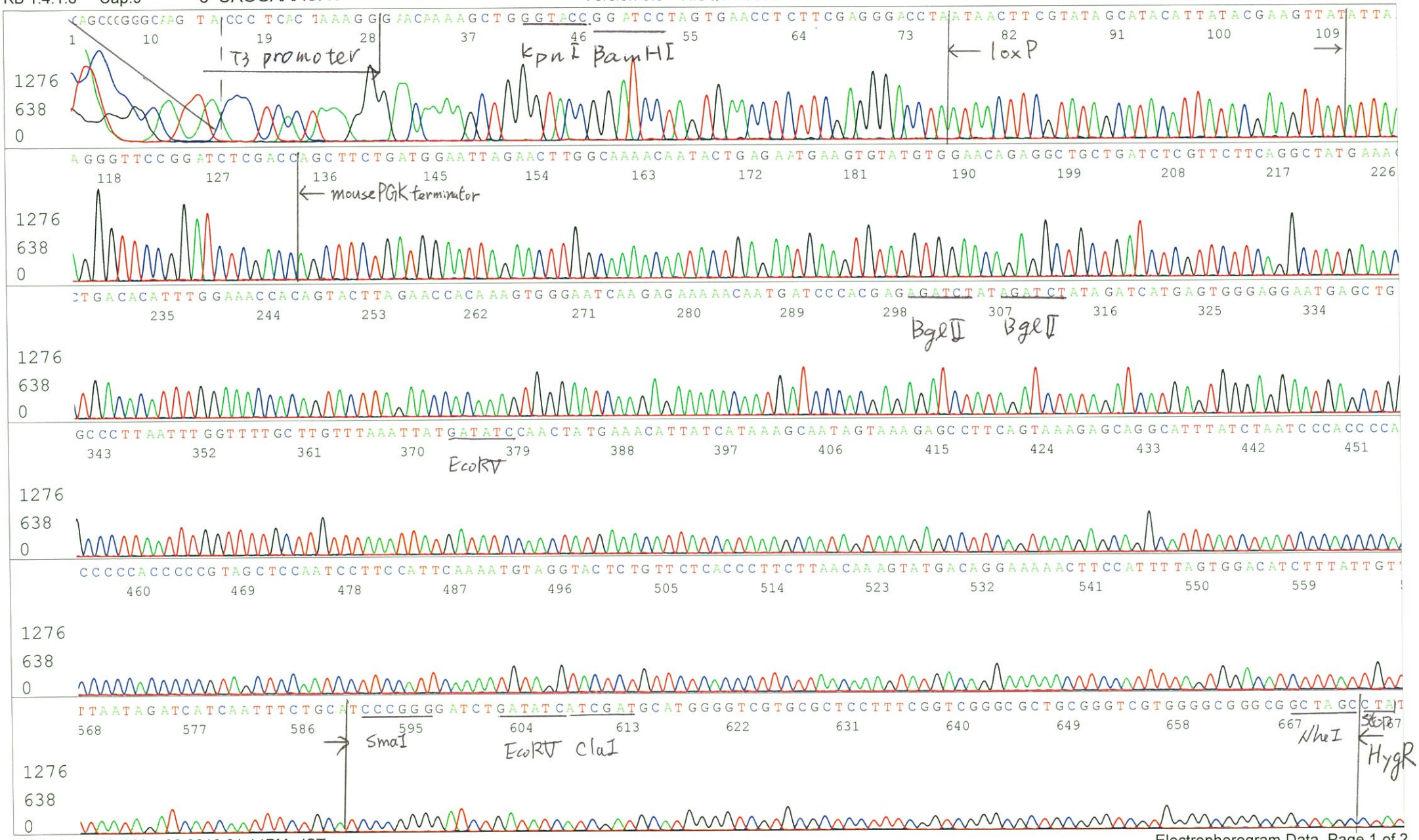
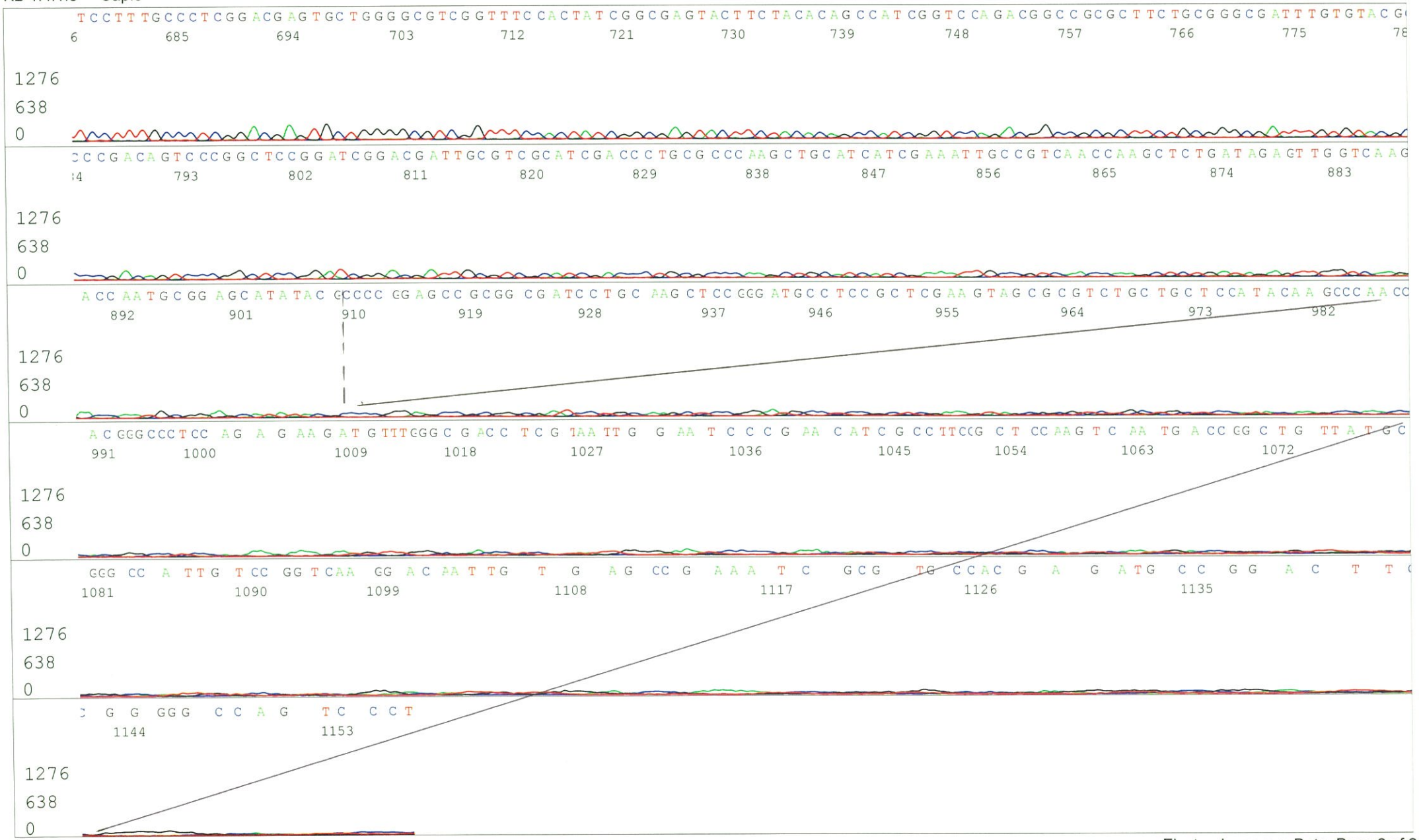


Applied Biosystems

S/N G:65 A:62 T:66 C:54
KB.bcp
KB 1.4.1.8 Cap:9

D03070A14_A6B8_1_M13R_C03_09
D03070A14_A6B8_1_M13R
KB_3500_POP7_BDTv3.mob
Pts 1366 to 12907 Pk1 Loc:1343
Version 6.0 HiSQV Bases: 1001

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