NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

RIKEN Clone ID : RBd49H08

Lot# : 7677_A4E8

Vector : pGCAP10

Gene	ME2		
RefSeq_mRNA	NM_002396.4	4638 bp	1..4638
	CDS	1755 bp	260..2014
	5' position		105

● Plasmid DNA purification

Date : 140513 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 140514 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 140514

DNA concentration (O.D.): 215 ng/ul

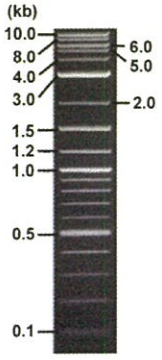
DNA	0.2 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.8 ul
Total	10 ul

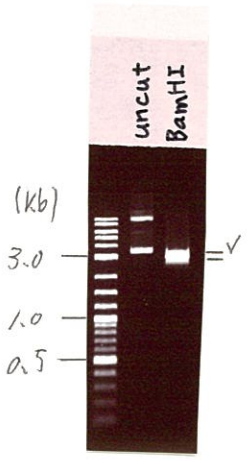
〈Size of fragment expected from RBd49H08 〉

BamHI 3183(vector), 4735 bp (unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

Marker : 2-Log DNA Ladder (NEB#N3200L)





● Confirmation of the insertion sequence

Date : 140515

Primer A	pGCAP-F
Primer B	pGCAP-R
Primer C	Poly(A) region
List of Sequencing Primers	http://dna.brc.riken.jp/en/NRCDhum2en.html

● Adjust plasmid DNA solution to 25 ng/ul

Date : 140519

DNA (215 ng/ul)	87.0 ul
10x TE	74.8 ul
dH_2O	586.4 ul
Total	748.2 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 14.5.19

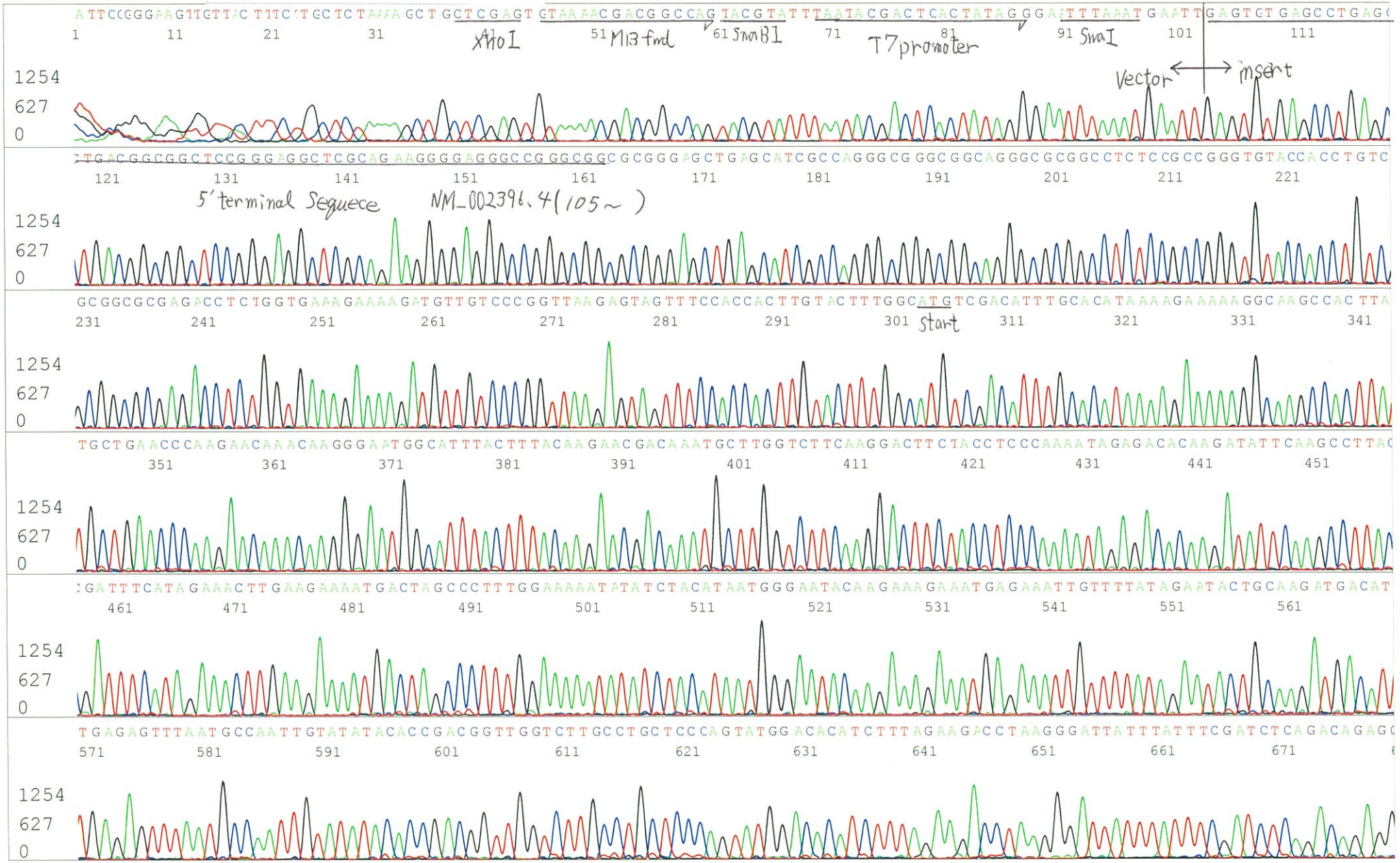
Applied Biosystems

S/N G:23 A:28 T:20 C:21
KB.bcp
KB 1.4.1.8 Cap:24

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

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7677_RBd49H08_A4E8_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1565 to 13810 Pk1 Loc:1542
Version 5.4 HiSQV Bases: 1016

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May 15,2014 09:50AM, JST
May 15,2014 10:17AM, JST
Spacing:12.5 Pts/Panel1350
Plate Name: 20140515

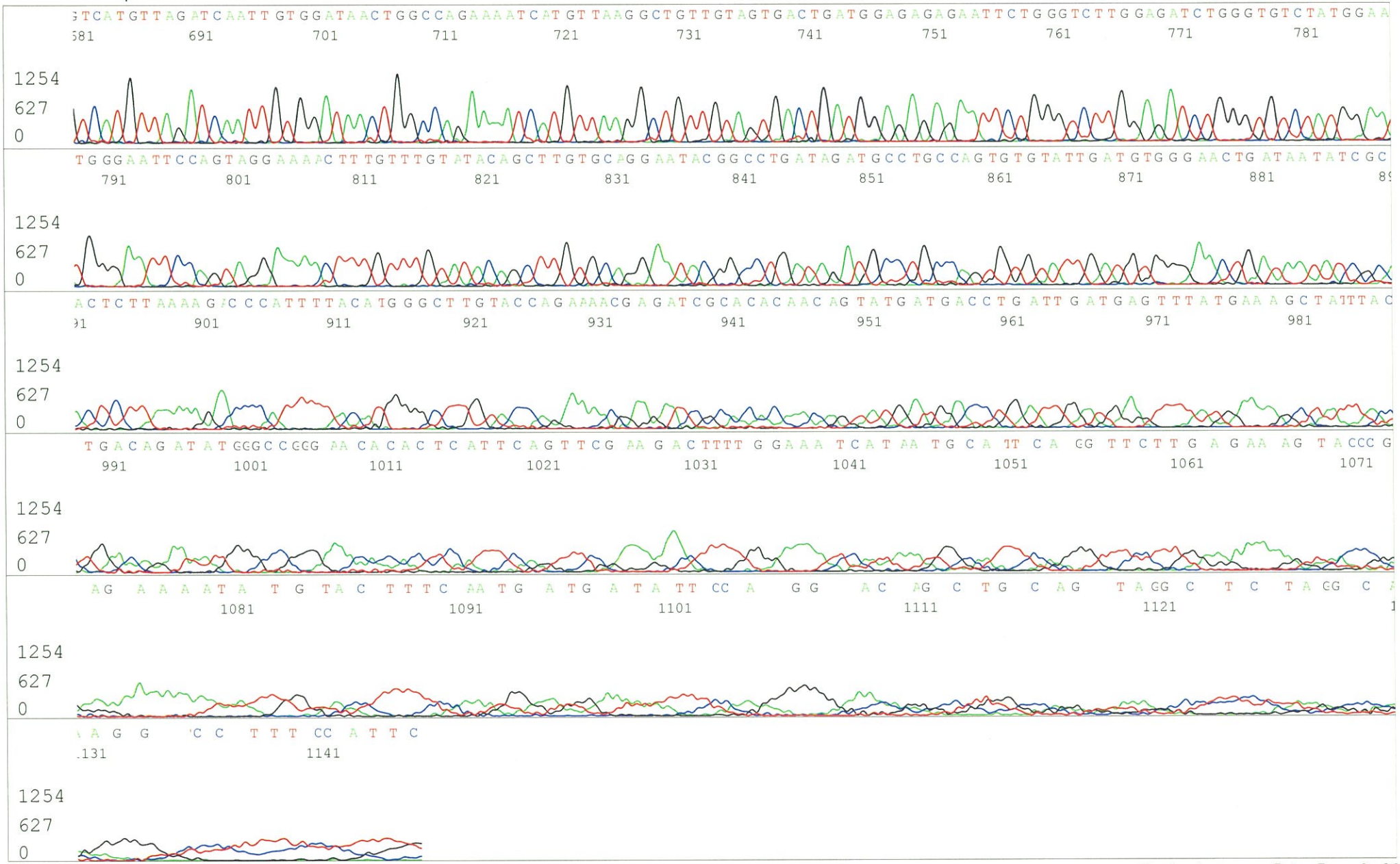


Applied Biosystems

S/N G:23 A:28 T:20 C:21
KB.bcp
KB 1.4.1.8 Cap:24

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Pts 1565 to 13810 Pk1 Loc:1542
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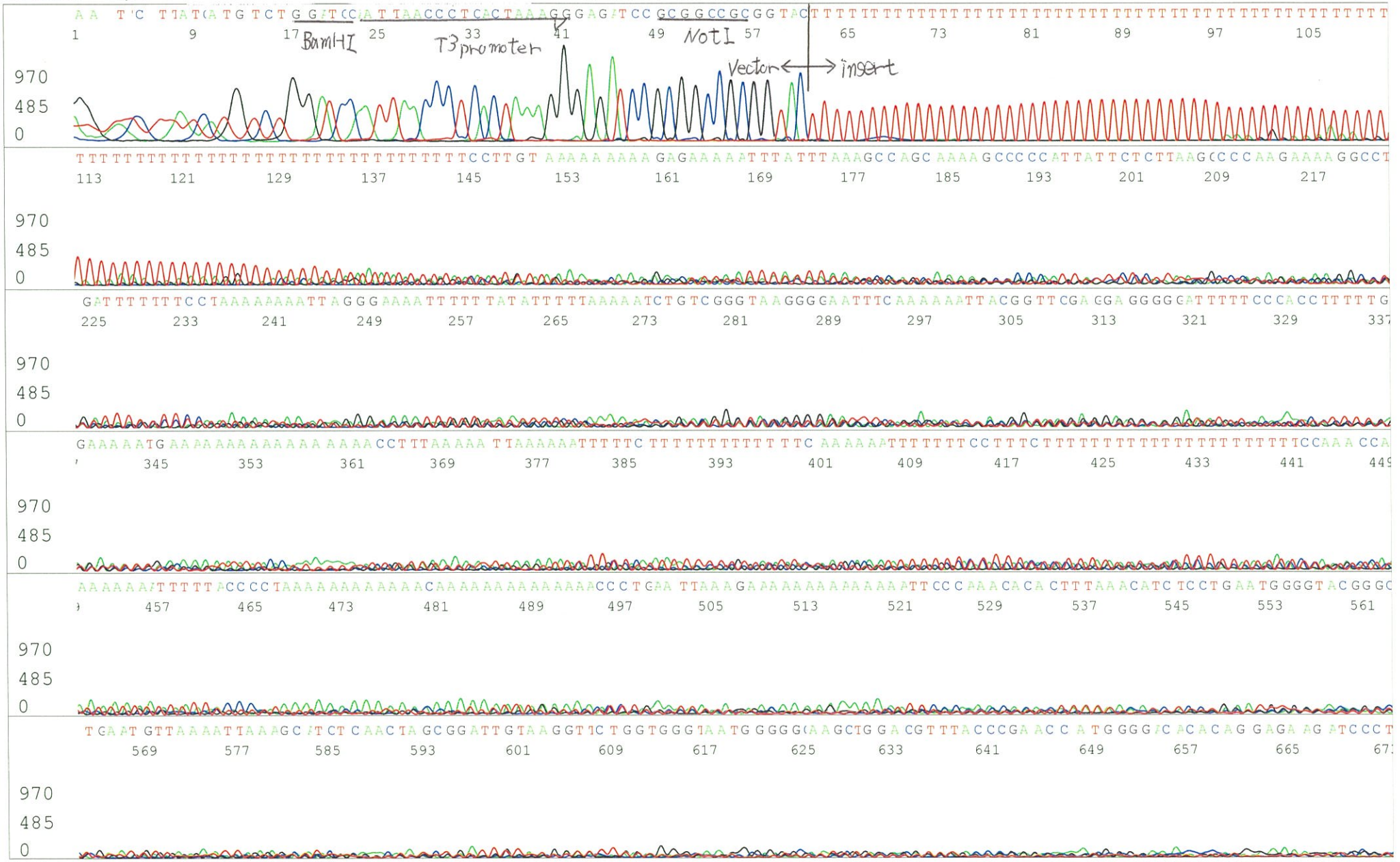
Applied Biosystems

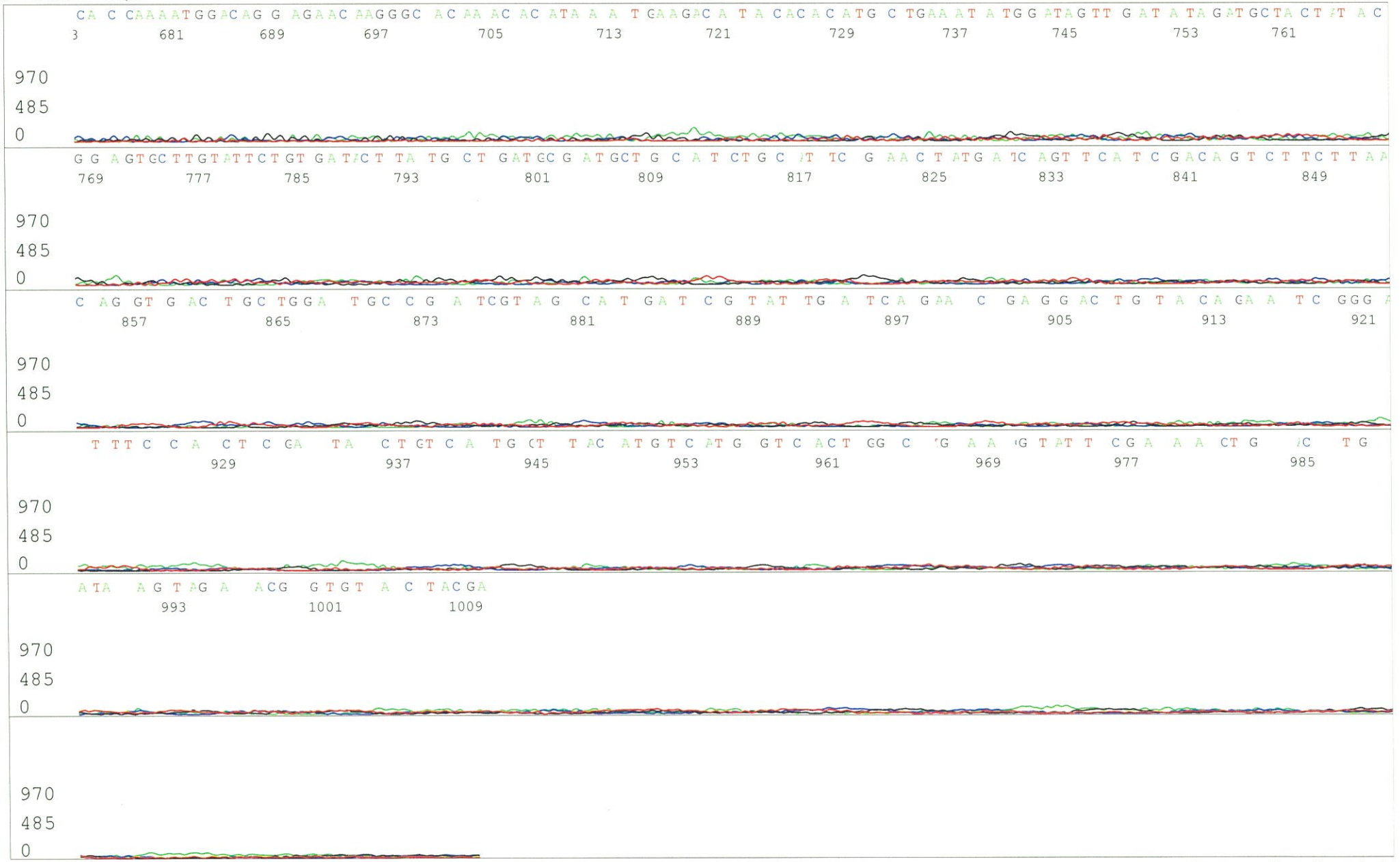
S/N G:42 A:61 T:71 C:49
KB.bcp
KB 1.4.1.8 Cap:3

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd49H08_A4E8_pGCAP_R_A06_03
7677_RBd49H08_A4E8_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1449 to 13592 Pk1 Loc:1426
Version 5.4 HiSQV Bases: 164

Inst Model/Name 3500/3500 Instrument
May 15,2014 01:47PM, JST
May 15,2014 02:14PM, JST
Spacing:12.16 Pts/Panel1350
Plate Name: 20140515_mix




681 689 697 705 713 721 729 737 745 753 761
769 777 785 793 801 809 817 825 833 841 849
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993 1001 1009
970
485
0

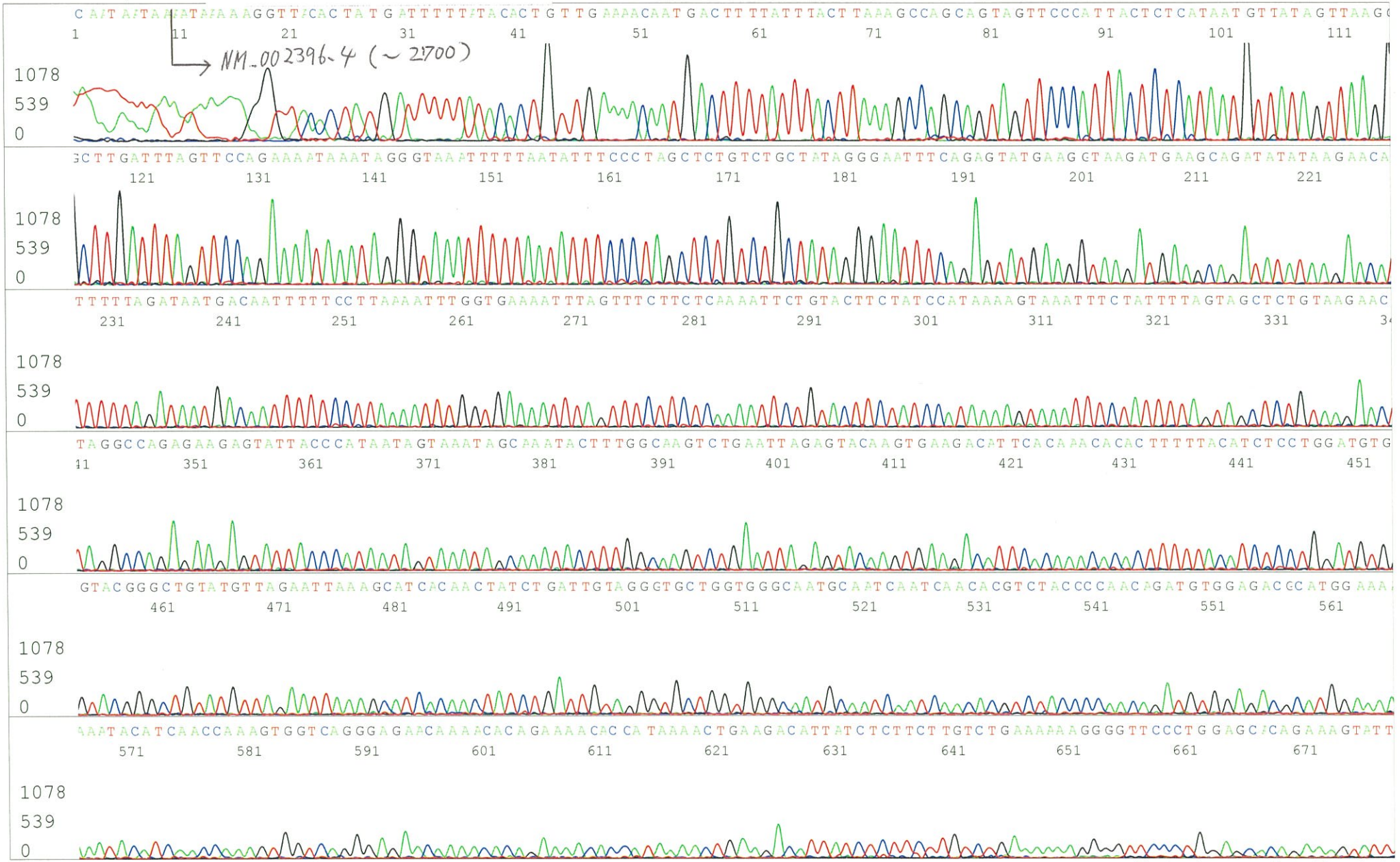
Applied Biosystems

S/N G:16 A:17 T:14 C:9
KB.bcp
KB 1.4.1.8 Cap:21

Primer C : Poly(A) region primer #0
5' TTTTTTTTTTTTTTTTTTTTTNNN 3'

7677_RBd49H08_A4E8_GNPmixture_G06_21
7677_RBd49H08_A4E8_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1556 to 13908 Pk1 Loc:1533
Version 5.4 HiSQV Bases: 988

Inst Model/Name 3500/3500 Instrument
May 15,2014 09:50AM, JST
May 15,2014 10:17AM, JST
Spacing:12.73 Pts/Panel1350
Plate Name: 20140515



Applied Biosystems

S/N G:16 A:17 T:14 C:9
KB.bcp
KB 1.4.1.8 Cap:21

7677_RBd49H08_A4E8_GNPmixture_G06_21
7677_RBd49H08_A4E8_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1556 to 13908 Pk1 Loc:1533
Version 5.4 HiSQV Bases: 988

Inst Model/Name 3500/3500 Instrument
May 15,2014 09:50AM, JST
May 15,2014 10:17AM, JST
Spacing:12.73 Pts/Panel1350
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