NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

RIKEN Clone ID : RBd21D09

Lot# : 7677_A4E8

Vector : pGCAP10

	Gene	ME2	
RefSeq_mRNA	NM_002396.4	4638 bp	1..4638
	CDS	1755 bp	260..2014
	5' position		61

● 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.): 98 ng/ul

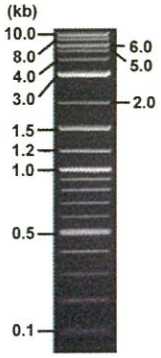
DNA	0.5 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.5 ul
Total	10 ul

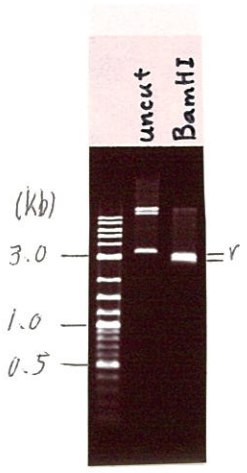
〈Size of fragment expected from RBd21D09 〉

BamHI 3183(vector), 4779 bp (unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





● Confirmation of the insertion sequence

Date : 140516

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 (98 ng/ul)	83.0 ul
10x TE	32.5 ul
dH_2O	209.9 ul
Total	325.4 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :

14.5.19

Applied Biosystems

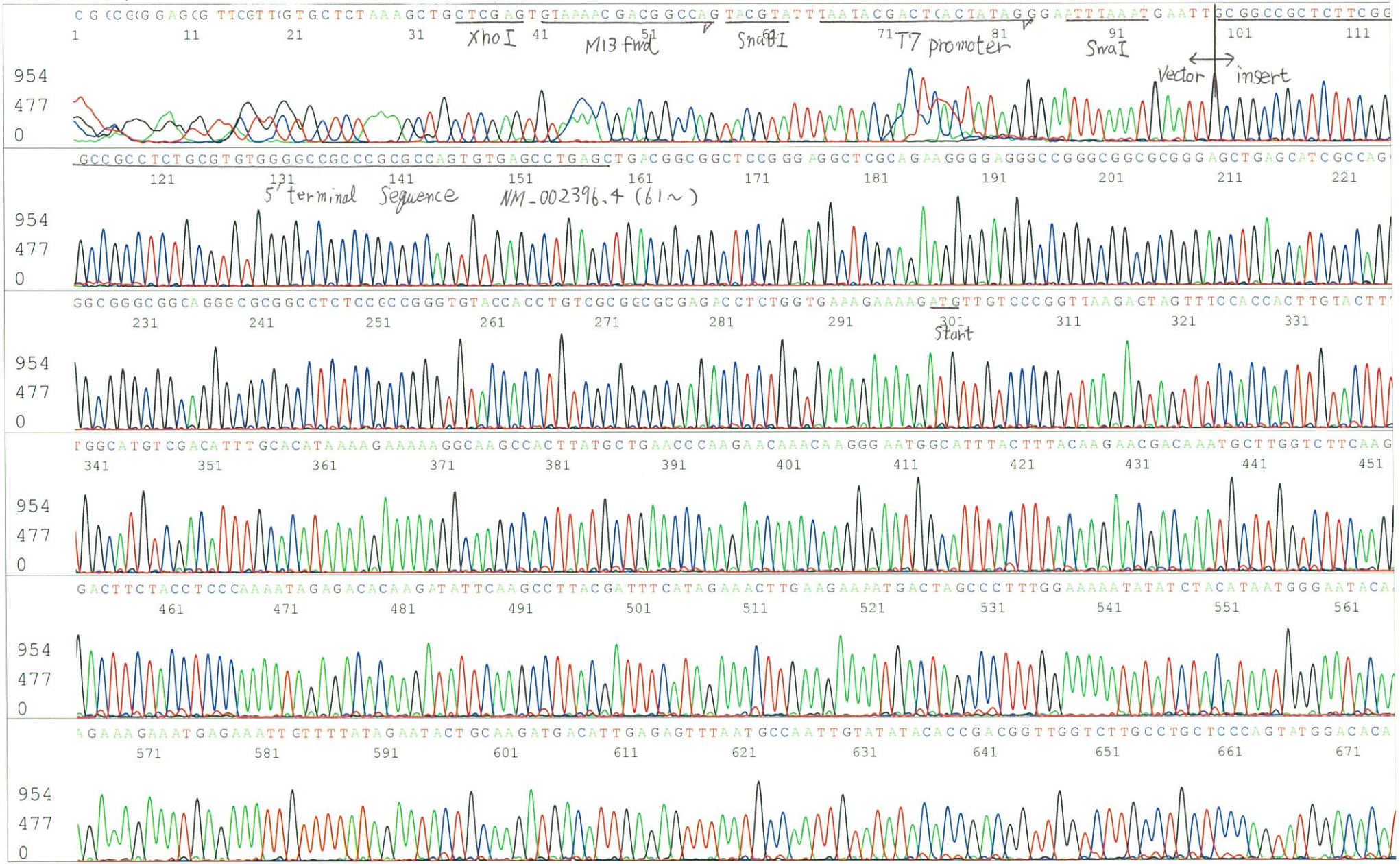
S/N G:56 A:94 T:44 C:54
KB.bcp
KB 1.4.1.8 Cap:16

Primer A : pGCAP-F

5' CTCAGTGGATGTTGCCTTTAC 3'

7677_RBd21D09_A4E8_pGCAP_F_F07_16
7677_RBd21D09_A4E8_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1430 to 13477 Pk1 Loc:1407
Version 5.4 HiSQV Bases: 994

Inst Model/Name 3500/3500 Instrument
May 16,2014 10:11AM, JST
May 16,2014 10:38AM, JST
Spacing:11.9 Pts/Panel1350
Plate Name: 20140516_GNP

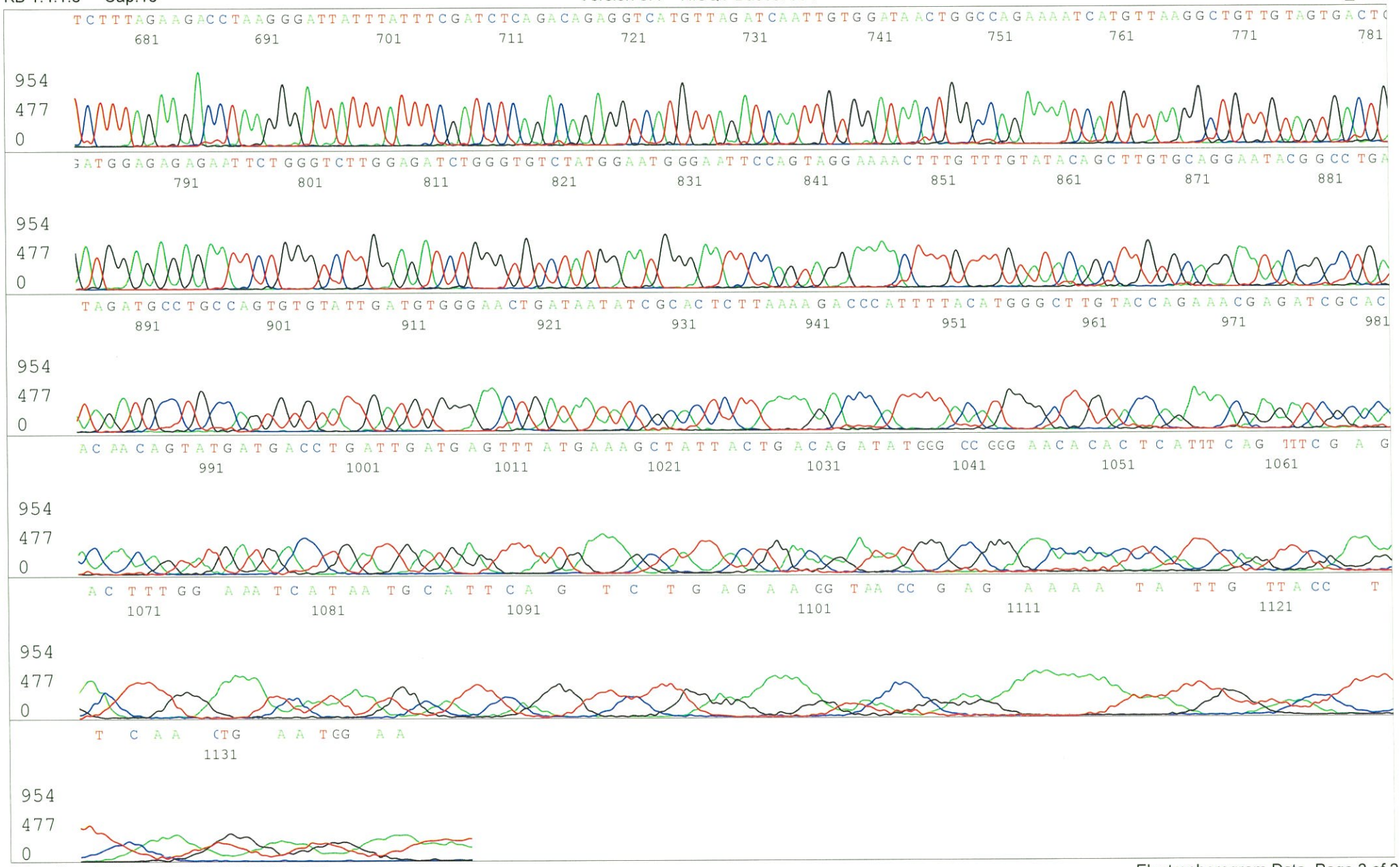


Applied Biosystems

S/N G:56 A:94 T:44 C:54
KB.bcp
KB 1.4.1.8 Cap:16

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Pts 1430 to 13477 Pk1 Loc:1407
Version 5.4 HiSQV Bases: 994

Inst Model/Name 3500/3500 Instrument
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May 16,2014 10:38AM, JST
Spacing:11.9 Pts/Panel1350
Plate Name: 20140516_GNP



Applied Biosystems

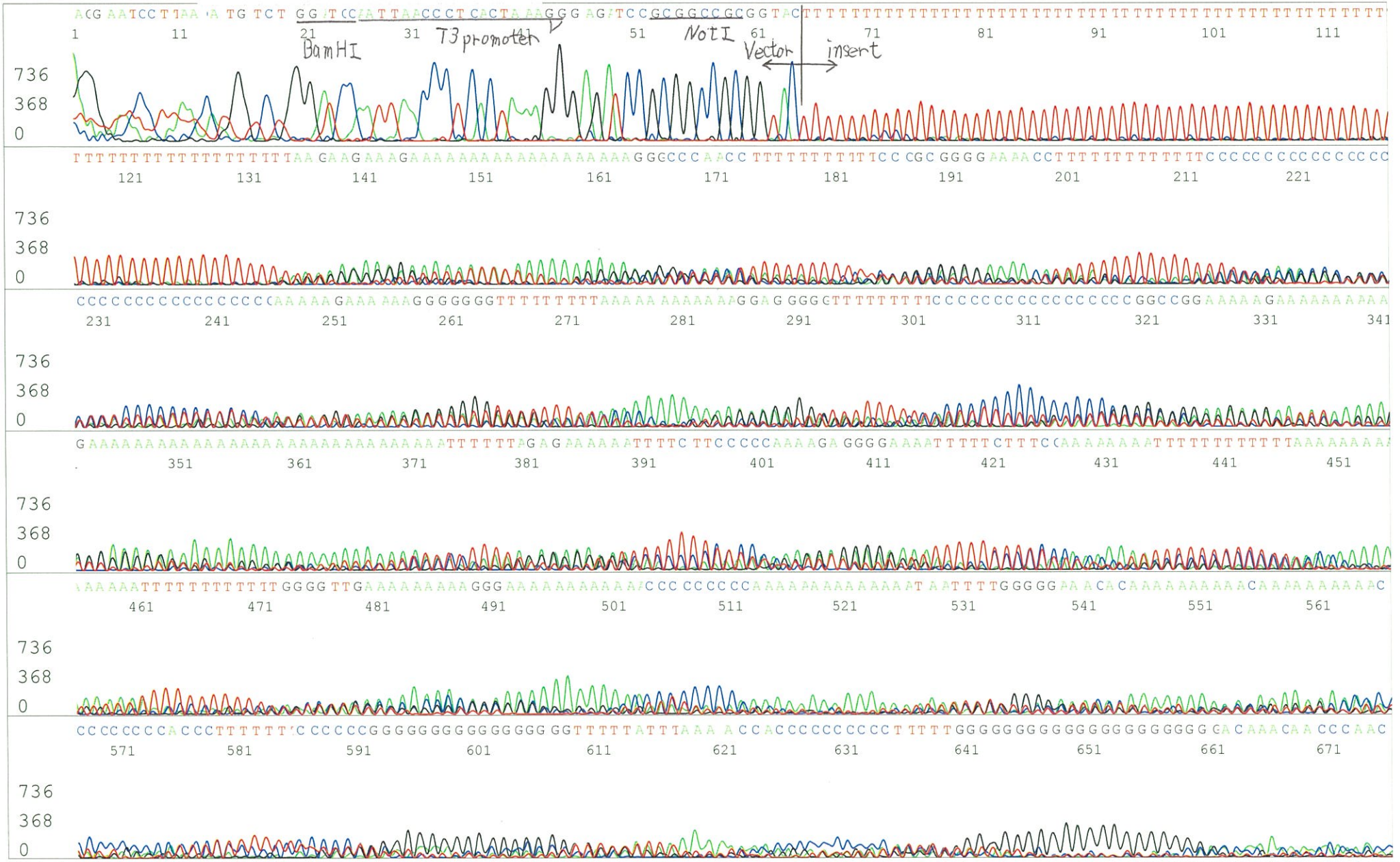
S/N G:7 A:11 T:9 C:7
KB.bcp
KB 1.4.1.8 Cap:15

Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd21D09_A4E8_pGCAP_R_E06_15
7677_RBd21D09_A4E8_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1576 to 13000 Pk1 Loc:1553
Version 5.4 HiSQV Bases: 209

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Plate Name: 20140515

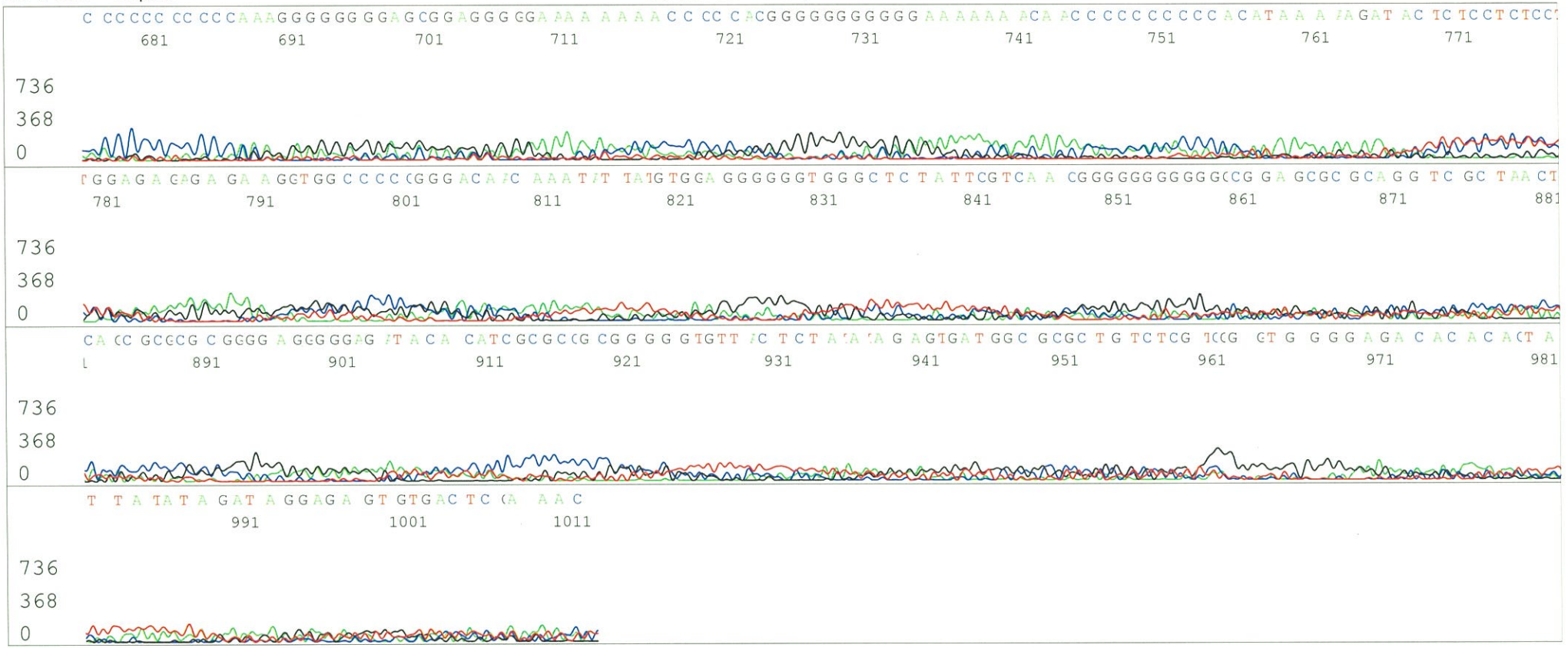


Applied Biosystems

S/N G:7 A:11 T:9 C:7
KB.bcp
KB 1.4.1.8 Cap:15

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7677_RBd21D09_A4E8_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1576 to 13000 Pk1 Loc:1553
Version 5.4 HiSQV Bases: 209

Inst Model/Name 3500/3500 Instrument
May 15,2014 09:50AM, JST
May 15,2014 10:17AM, JST
Spacing:13.25 Pts/Panel1350
Plate Name: 20140515



Applied Biosystems

S/N G:23 A:49 T:27 C:26
KB.bcp
KB 1.4.1.8 Cap:19

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

7677_RBd21D09_A4E8_GNPmixture_G07_19
7677_RBd21D09_A4E8_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1427 to 13570 Pk1 Loc:1404
Version 5.4 HiSQV Bases: 1003

Inst Model/Name 3500/3500 Instrument
May 16,2014 10:11AM, JST
May 16,2014 10:38AM, JST
Spacing:12.14 Pts/Panel1350
Plate Name: 20140516_GNP

