NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

RIKEN Clone ID : ARe22H12

Lot# : 7672_A4E7

Vector : pKA1U5

Gene	PARG		
RefSeq_mRNA	NM_003631.2	4276 bp	1..4276
	CDS	2931 bp	262..3192
	5′ position		45

● 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.): 127 ng/ul

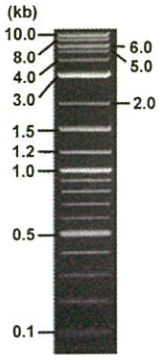
DNA	0.4 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.6 ul
Total	10 ul

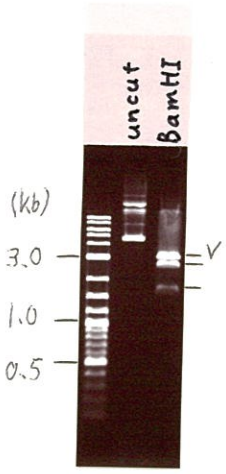
〈Size of fragment expected from ARe22H12 〉

BamHI 3183(vector), 2652, 1794 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 (147 ng/ul)	85.0 ul
10x TE	50.0 ul
dH_2O	364.8 ul
Total	499.8 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :

確認 14.5.19 遠沼

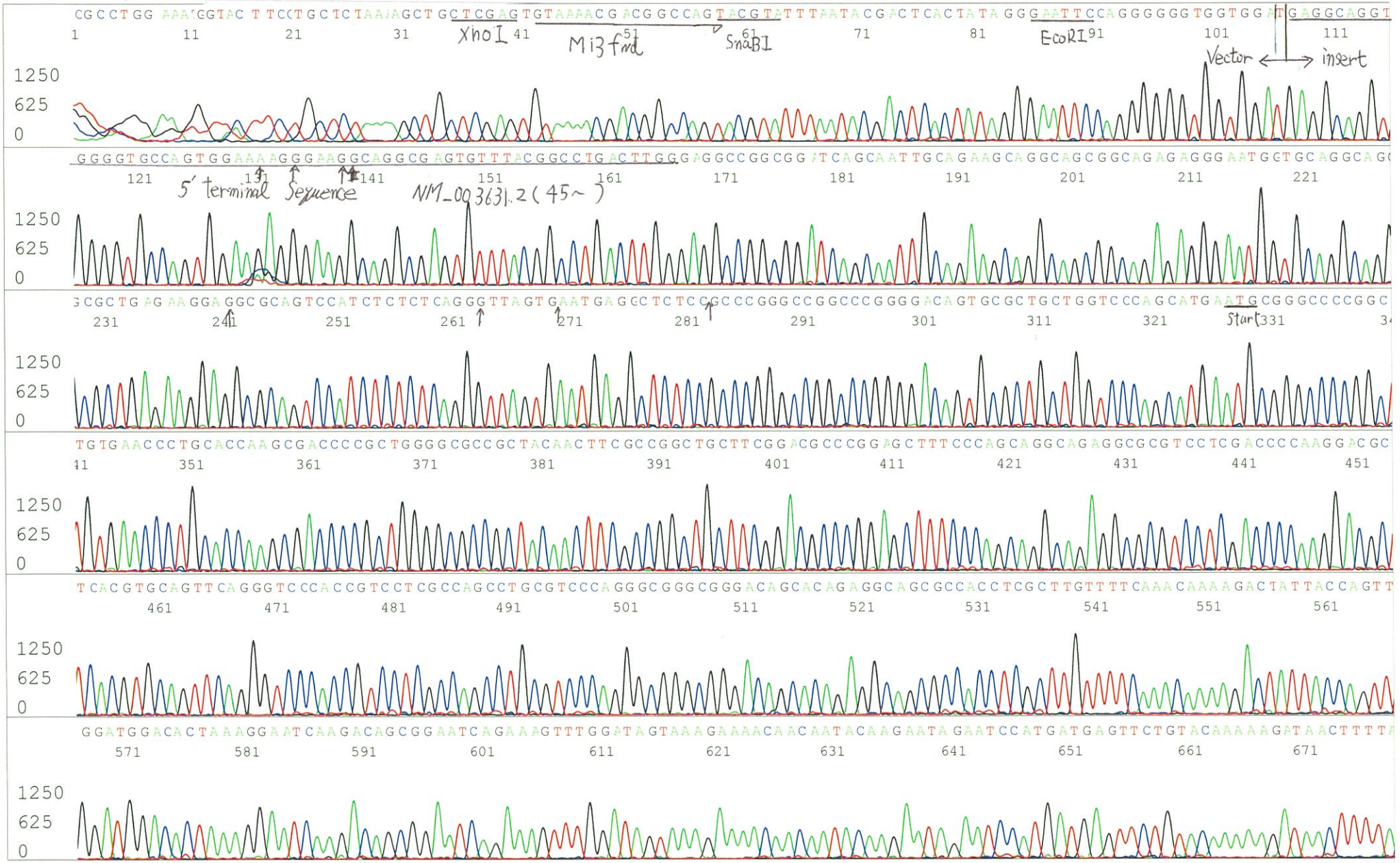
Applied Biosystems

S/N G:31 A:35 T:23 C:36
KB.bcp
KB 1.4.1.8 Cap:17

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7672_ARe22H12_A4E7_pGCAP_F_F05_17
7672_ARe22H12_A4E7_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1565 to 13906 Pk1 Loc:1542
Version 5.4 HiSQV Bases: 1012

Inst Model/Name 3500/3500 Instrument
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May 15,2014 10:17AM, JST
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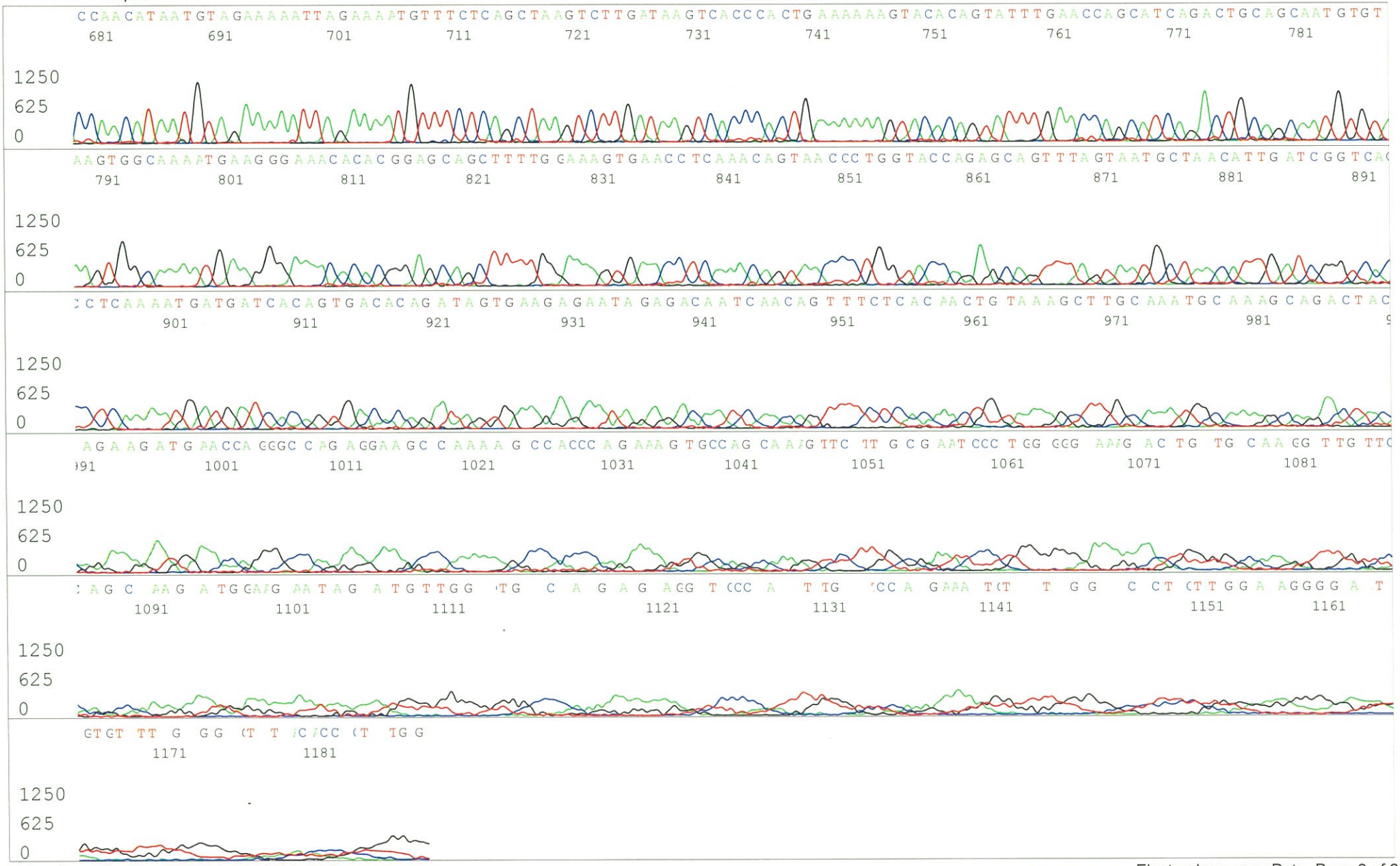


Applied Biosystems

S/N G:31 A:35 T:23 C:36
KB.bcp
KB 1.4.1.8 Cap:17

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Pts 1565 to 13906 Pk1 Loc:1542
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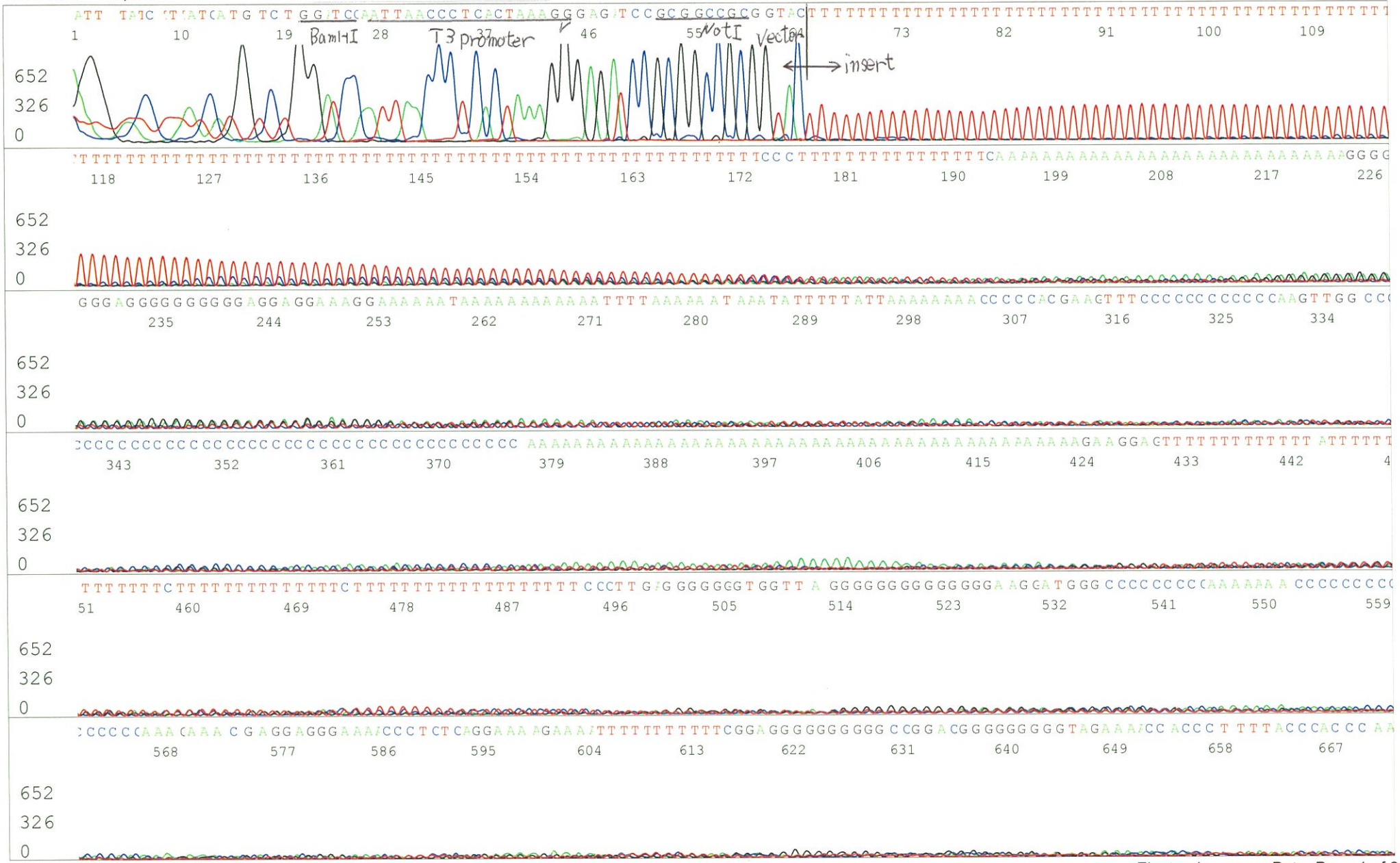
Applied Biosystems

S/N G:18 A:30 T:32 C:19
KB.bcp
KB 1.4.1.8 Cap:20

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7672_ARe22H12_A4E7_pGCAP_R_G05_20
7672_ARe22H12_A4E7_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1575 to 14277 Pk1 Loc:1552
Version 5.4 HiSQV Bases: 199

Inst Model/Name 3500/3500 Instrument
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May 15,2014 10:17AM, JST
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Plate Name: 20140515

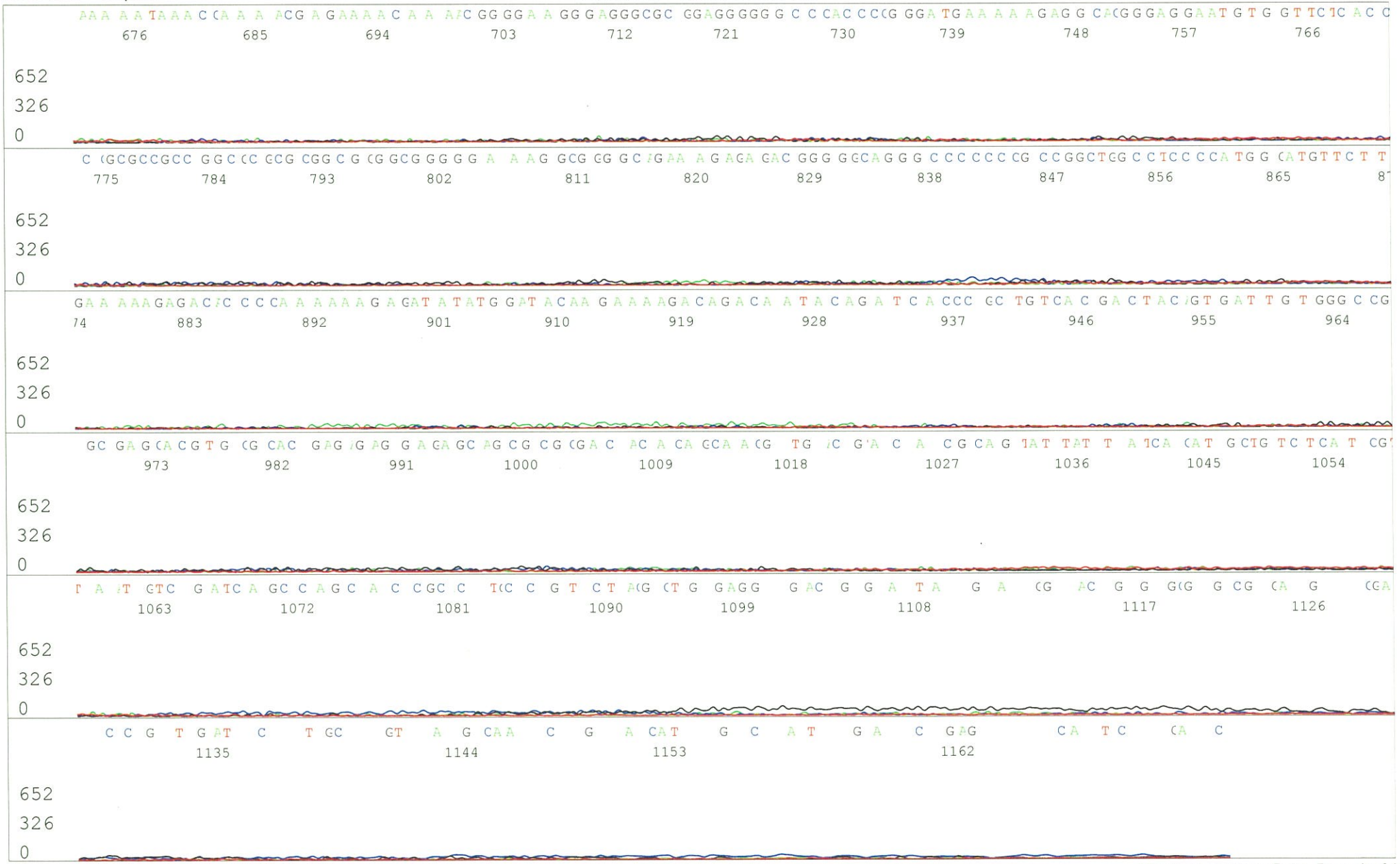


Applied Biosystems

S/N G:18 A:30 T:32 C:19
KB.bcp
KB 1.4.1.8 Cap:20

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KB_3500_POP7_BDTv3.mob
Pts 1575 to 14277 Pk1 Loc:1552
Version 5.4 HiSQV Bases: 199

Inst Model/Name 3500/3500 Instrument
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Plate Name: 20140515



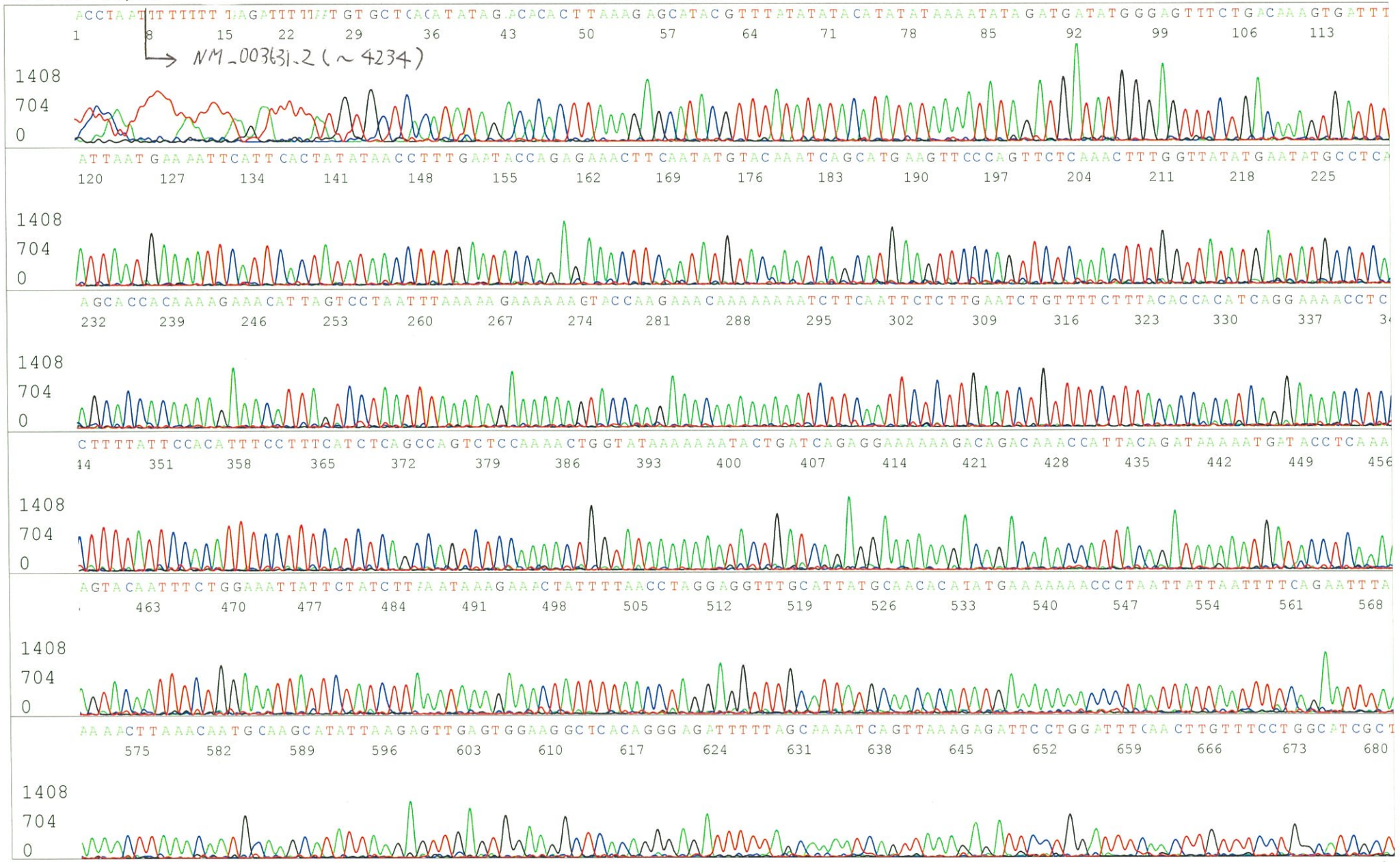
Applied Biosystems

S/N G:9 A:13 T:9 C:7
KB.bcp
KB 1.4.1.8 Cap:23

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

7672_ARe22H12_A4E7_GNPmixture_H05_23
7672_ARe22H12_A4E7_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1572 to 13967 Pk1 Loc:1549
Version 5.4 HiSQV Bases: 808

Inst Model/Name 3500/3500 Instrument
May 15,2014 09:50AM, JST
May 15,2014 10:17AM, JST
Spacing:12.55 Pts/Panel1350
Plate Name: 20140515



Applied Biosystems

S/N G:9 A:13 T:9 C:7
KB.bcp
KB 1.4.1.8 Cap:23

7672_ARe22H12_A4E7_GNPmixture_H05_23
7672_ARe22H12_A4E7_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1572 to 13967 Pk1 Loc:1549
Version 5.4 HiSQV Bases: 808

Inst Model/Name 3500/3500 Instrument
May 15,2014 09:50AM, JST
May 15,2014 10:17AM, JST
Spacing:12.55 Pts/Panel1350
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