NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

RIKEN_Clone_ID : RBd90H01

Lot# : 7677_A3L6

Vector : pGCAP10

Gene	FLOT2		
RefSeq_mRNA	NM_004475.2	2659 bp	1..2659
	CDS	1287 bp	124..1410
	5' position		46

● Plasmid DNA purification

Date : 131209 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 131210 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 131210

DNA concentration (O.D.): 311 ng/ul

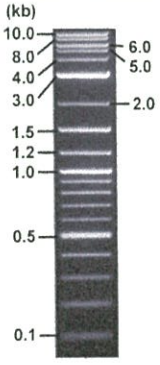
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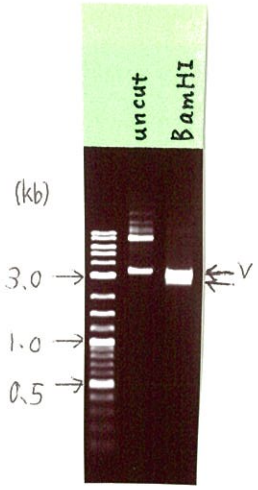
BamHI 3183(vector),2815 bp (unsure)

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

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





● Confirmation of the insertion sequence

Date : 131212

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

● Adjustment of DNA concentration

Shipping amount : 40 ul

Concentration at the time of preparation of plasmid DNA : 25 ng/ul

Date : 131212

DNA (311 ng/ul)	83.0 ul
10x TE	103.3 ul
dH_2O	846.2 ul
Total	1032.5 ul

APPROVED BY : 確認 13.12.13 笹沼

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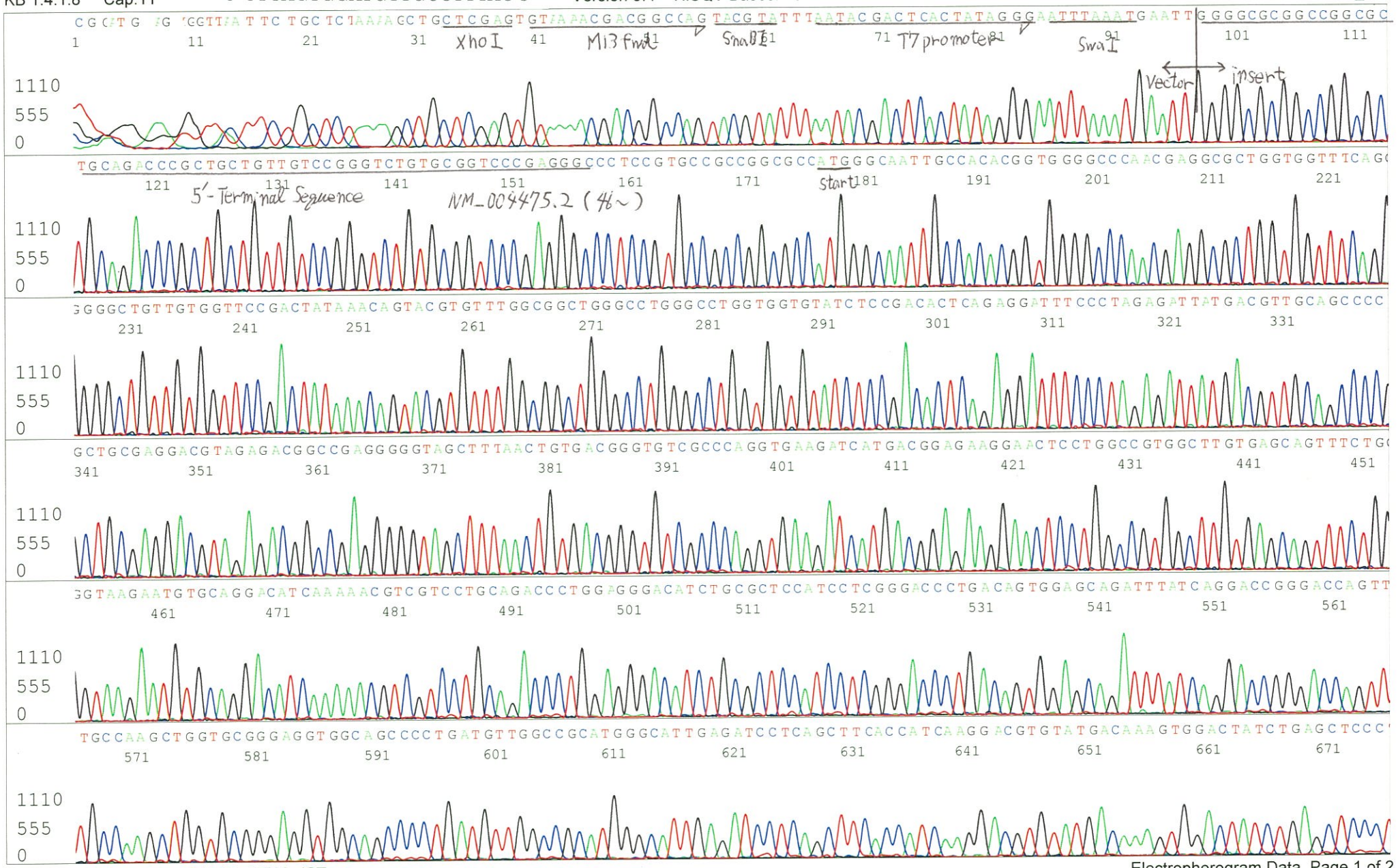
S/N G:93 A:72 T:64 C:61
KB.bcp
KB 1.4.1.8 Cap:11

Primer A : pGCAP-F

5' CTCAGTGGATGTTGCCTTTAC 3'

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7677_RBd90H01_A3L6_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1402 to 13553 Pk1 Loc:1379
Version 5.4 HiSQV Bases: 1012

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Dec 12,2013 11:09AM, JST
Dec 12,2013 11:36AM, JST
Spacing:11.91 Pts/Panel1350
Plate Name: 20131212_mix

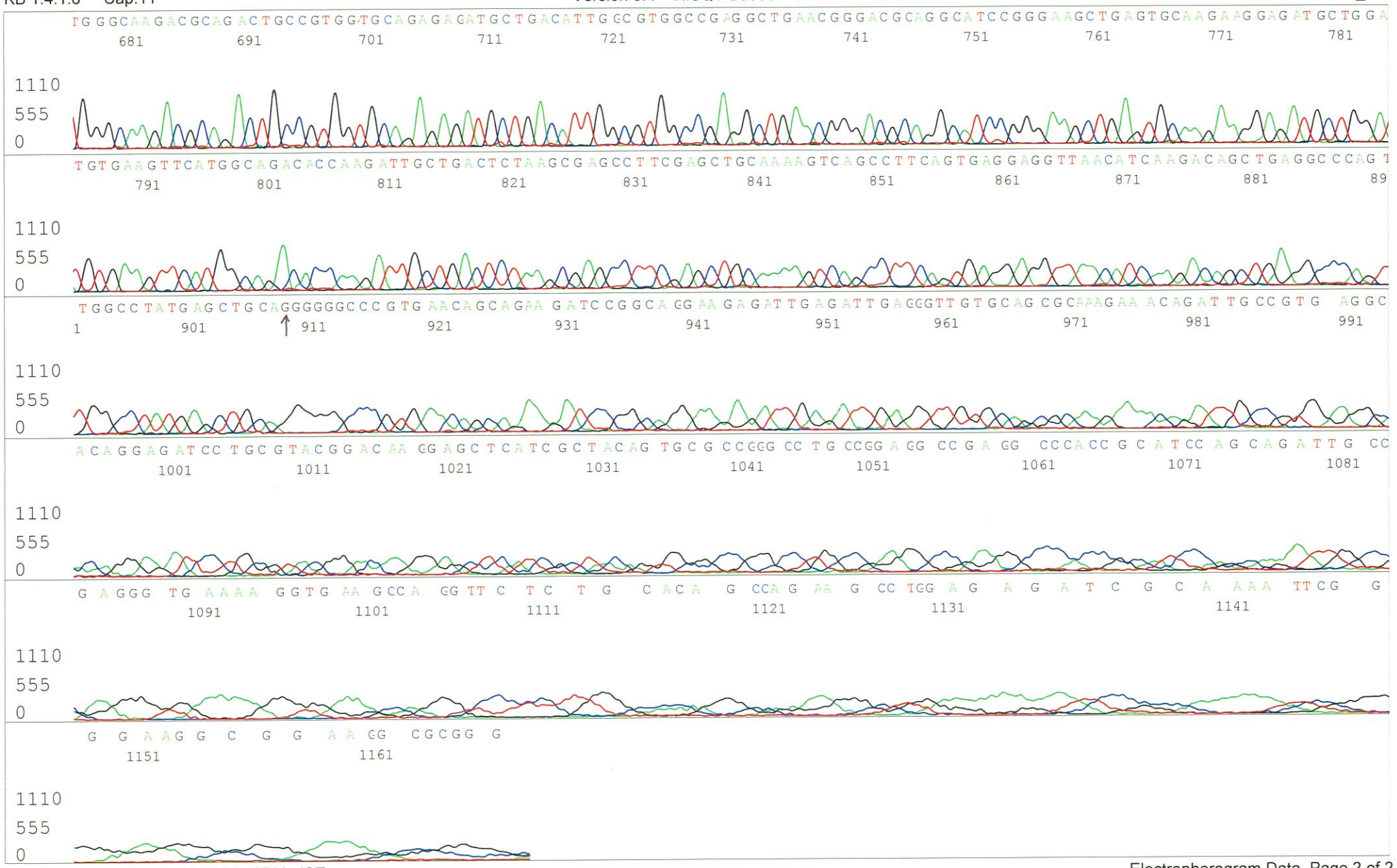


Applied Biosystems

S/N G:93 A:72 T:64 C:61
KB.bcp
KB 1.4.1.8 Cap:11

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KB_3500_POP7_BDTv3.mob
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Applied Biosystems

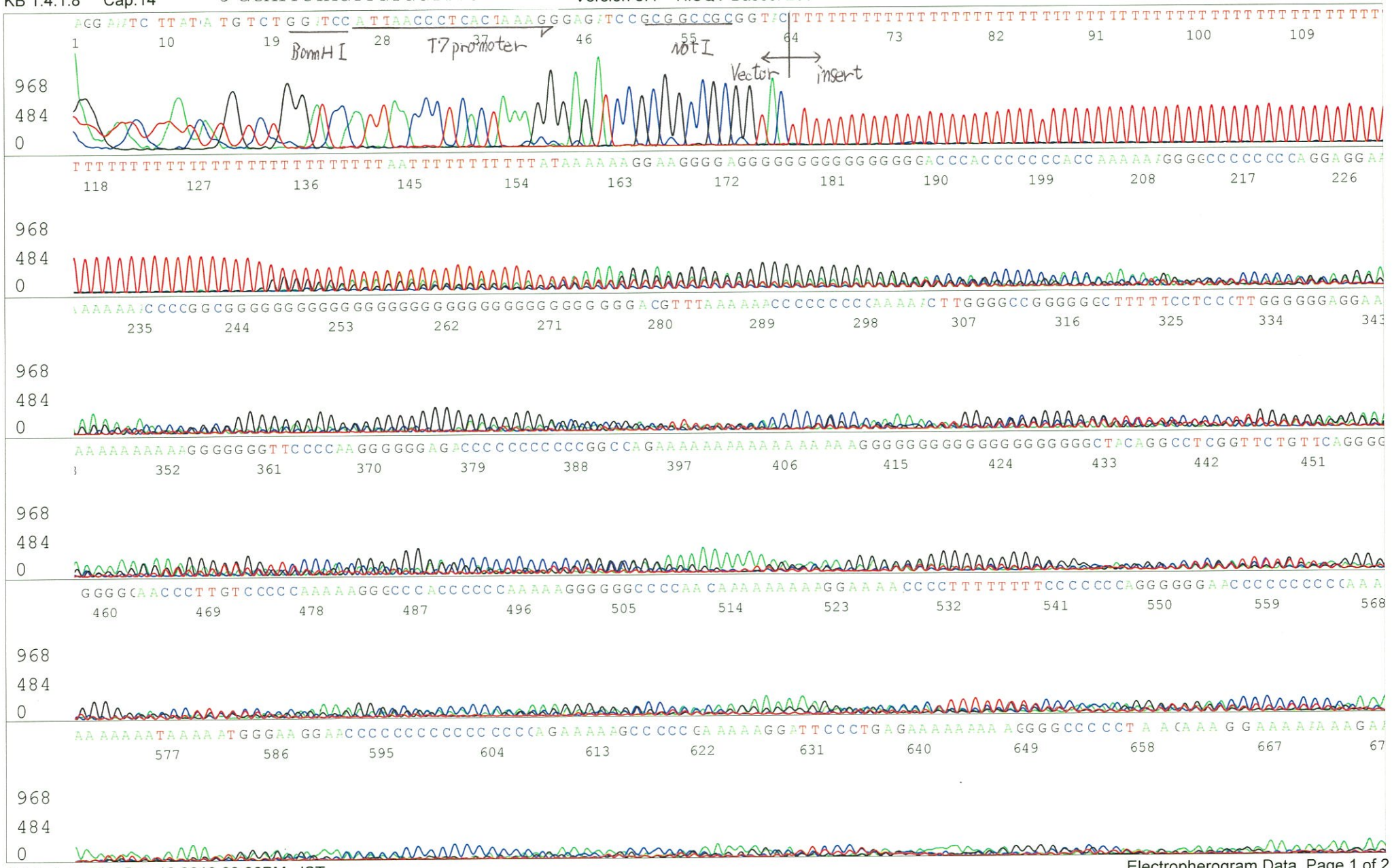
S/N G:19 A:22 T:22 C:15
KB.bcp
KB 1.4.1.8 Cap:14

Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd90H01_A3L6_pGCAP_R_E08_14
7677_RBd90H01_A3L6_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1396 to 13348 Pk1 Loc:1373
Version 5.4 HiSQV Bases: 203

Inst Model/Name 3500/3500 Instrument
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Plate Name: 20131212_mix

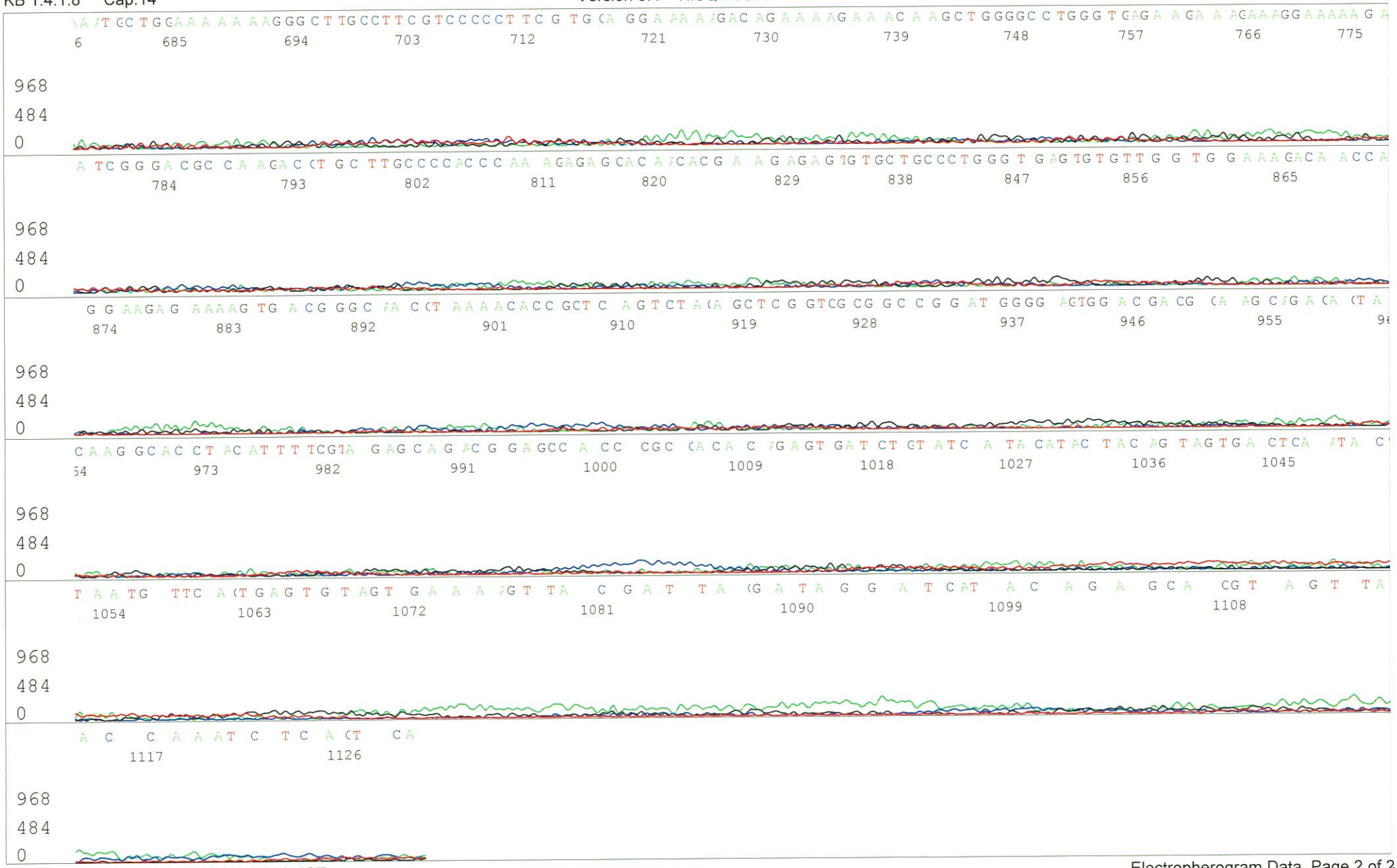


Applied Biosystems

S/N G:19 A:22 T:22 C:15
KB.bcp
KB 1.4.1.8 Cap:14

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7677_RBd90H01_A3L6_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1396 to 13348 Pk1 Loc:1373
Version 5.4 HiSQV Bases: 203

Inst Model/Name 3500/3500 Instrument
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Spacing:13.25 Pts/Panel1350
Plate Name: 20131212_mix



Applied Biosystems

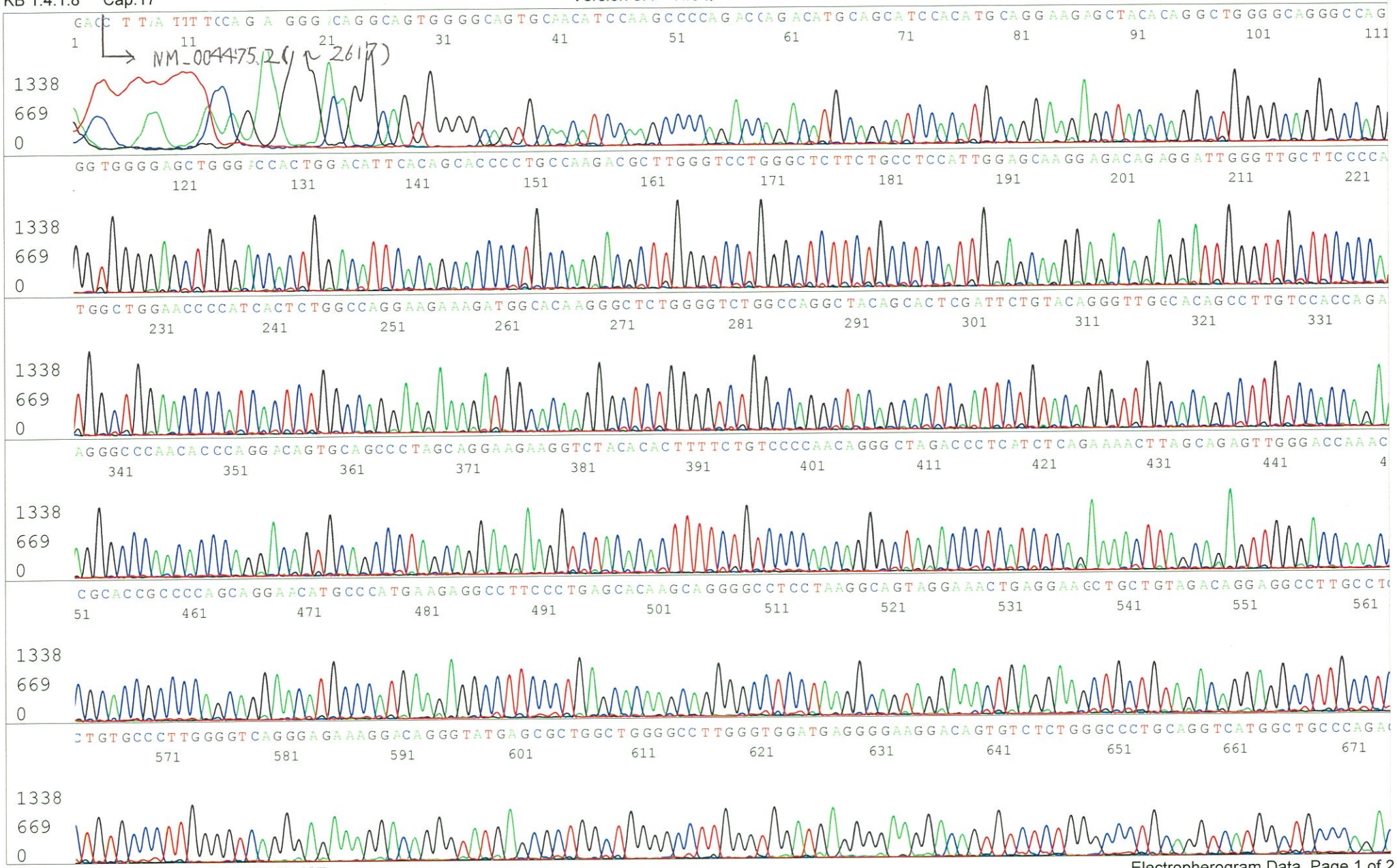
S/N G:90 A:83 T:53 C:65
KB.bcp
KB 1.4.1.8 Cap:17

Primer C : Poly(A) region primer #0

5' TTTTTTTTTTTTTTTTTTTTNNN 3'

7677_RBd90H01_A3L6_GNPmixture_F08_17
7677_RBd90H01_A3L6_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1389 to 13593 Pk1 Loc:1366
Version 5.4 HiSQV Bases: 1020

Inst Model/Name 3500/3500 Instrument
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Spacing:11.91 Pts/Panel1350
Plate Name: 20131212_mix



Applied Biosystems

S/N G:90 A:83 T:53 C:65
KB.bcp
KB 1.4.1.8 Cap:17

7677_RBd90H01_A3L6_GNPmixture_F08_17
7677_RBd90H01_A3L6_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1389 to 13593 Pk1 Loc:1366
Version 5.4 HiSQV Bases: 1020

Inst Model/Name 3500/3500 Instrument
Dec 12,2013 11:09AM, JST
Dec 12,2013 11:36AM, JST
Spacing:11.91 Pts/Panel1350
Plate Name: 20131212_mix

