NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

RIKEN_Clone_ID : ARiS161E15

Lot# : 6607_A4D7

Vector : pGCAP10

Gene	RAB10		
RefSeq_mRNA	NM_016131.4	3785 bp	1..3785
	CDS	603 bp	750..1352
	5' position		230

● Plasmid DNA purification

Date : 140408 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 140409 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 140409

DNA concentration (O.D.): 144 ng/ul

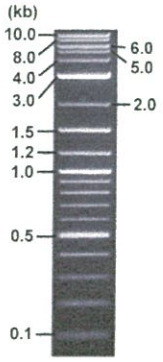
DNA	0.3	ul
Enzyme (BamHI)	1	ul
Buffer H	1	ul
dH_2O	7.7	ul
Total	10	ul

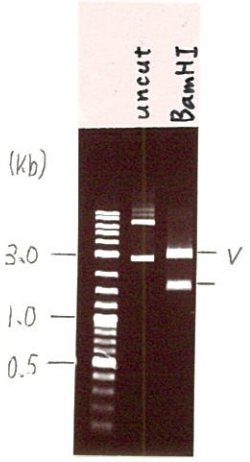
<Size of fragment expected from ARiS161E15 >

BamHI 3183(vector), 3546, 201 bp (unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





● Confirmation of the insertion sequence

Date : 140410

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 : 140411

DNA (144 ng/ul)	86.0	ul
10x TE	49.5	ul
dH_2O	359.9	ul
Total	495.4	ul

APPROVED BY : 確認 14.4.11 笹沼

http://dna.brc.riken.jp/index.html

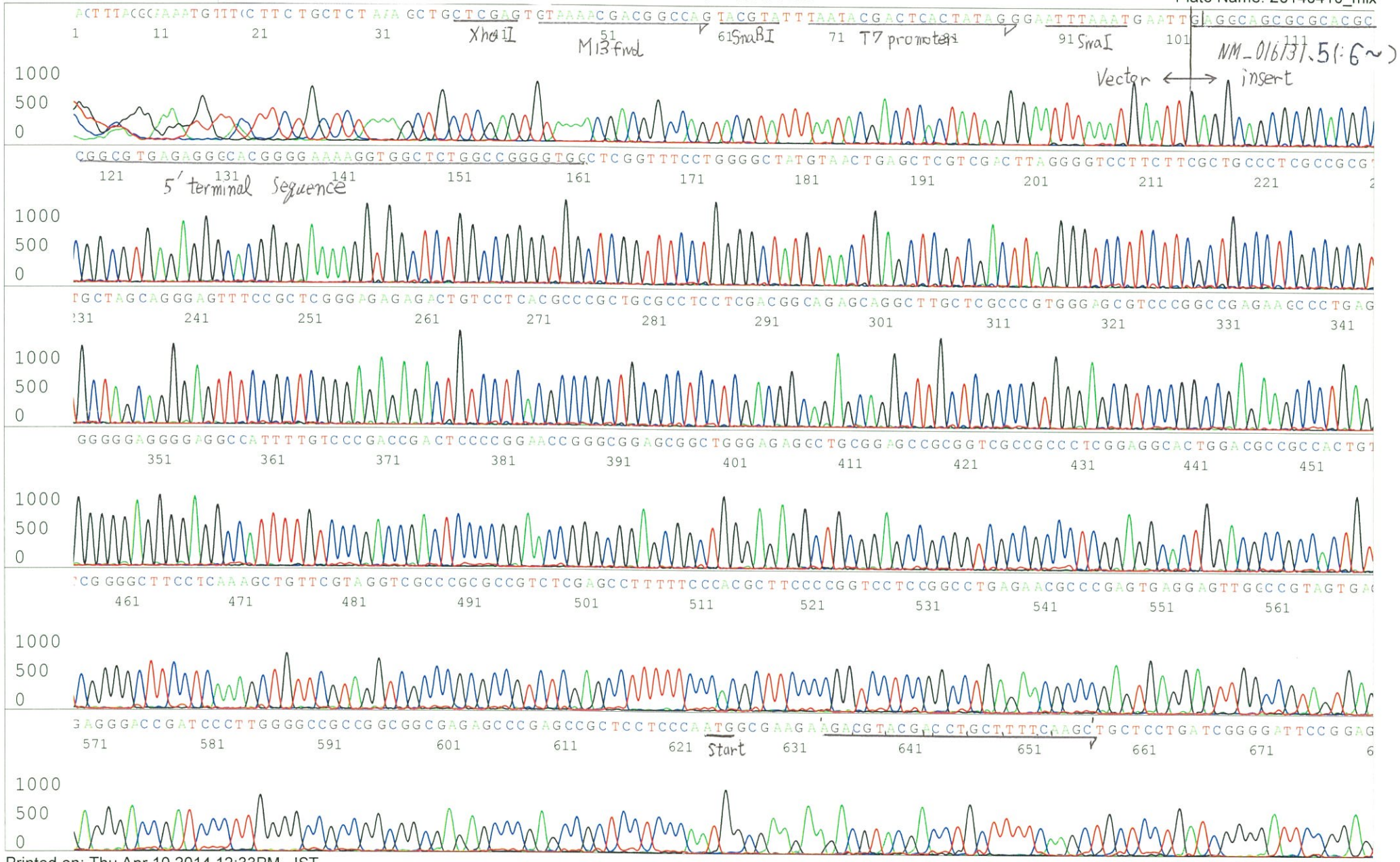
Applied Biosystems

S/N G:29 A:34 T:22 C:35
KB.bcp
KB 1.4.1.8 Cap:12

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

6607_ARiS161E15_A4D7_pGCAP_F_D09_12
6607_ARiS161E15_A4D7_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1372 to 13384 Pk1 Loc:1349
Version 5.4 HiSQV Bases: 1036

Inst Model/Name 3500/3500 Instrument
Apr 10,2014 10:25AM, JST
Apr 10,2014 10:52AM, JST
Spacing:11.86 Pts/Panel1350
Plate Name: 20140410_mix



Applied Biosystems

S/N G:13 A:21 T:15 C:11
KB.bcp
KB 1.4.1.8 Cap:15

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

6607_ARiS161E15_A4D7_pGCAP_R_E09_15
6607_ARiS161E15_A4D7_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1367 to 13419 Pk1 Loc:1344
Version 5.4 HiSQV Bases: 249

Inst Model/Name 3500/3500 Instrument
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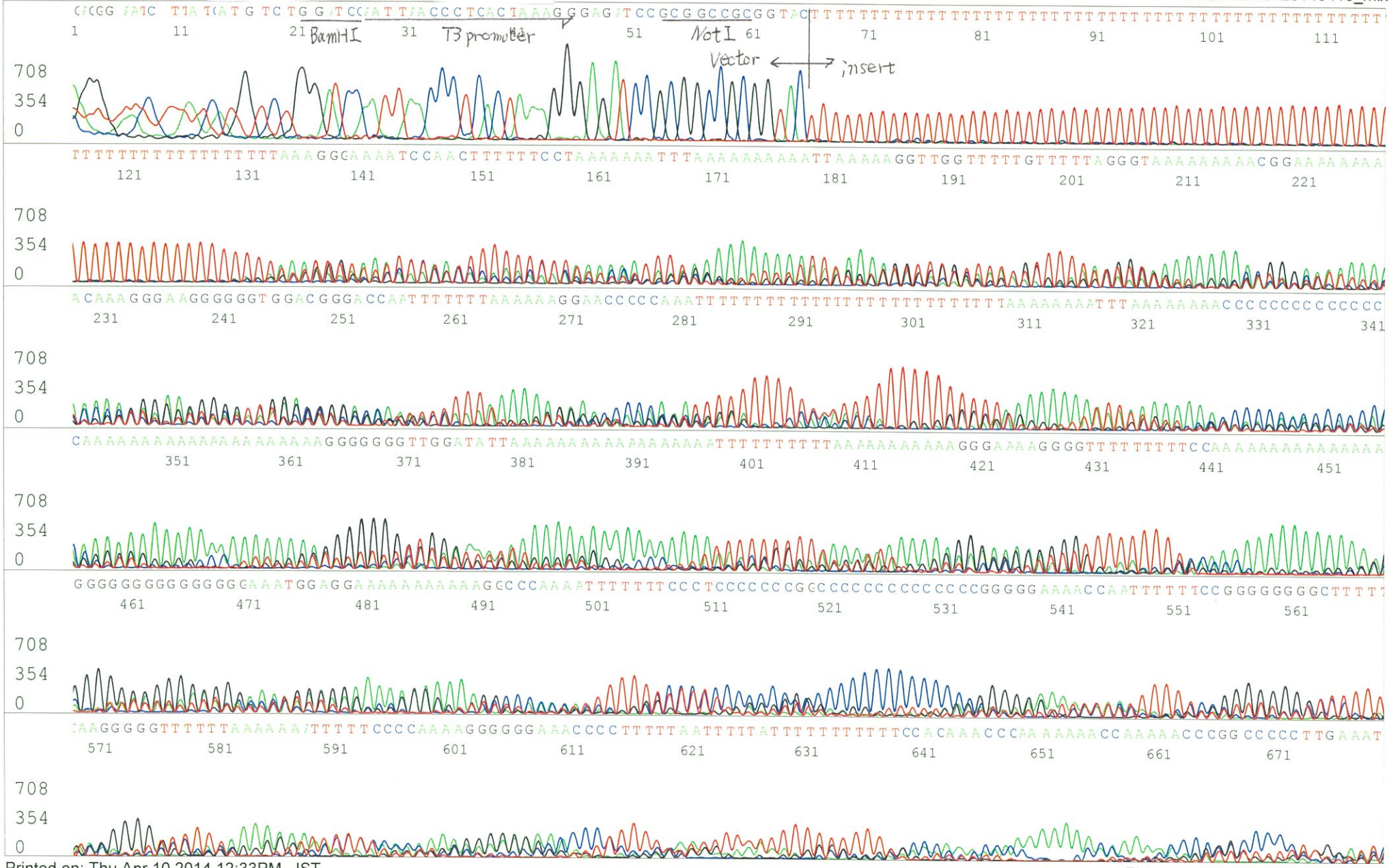
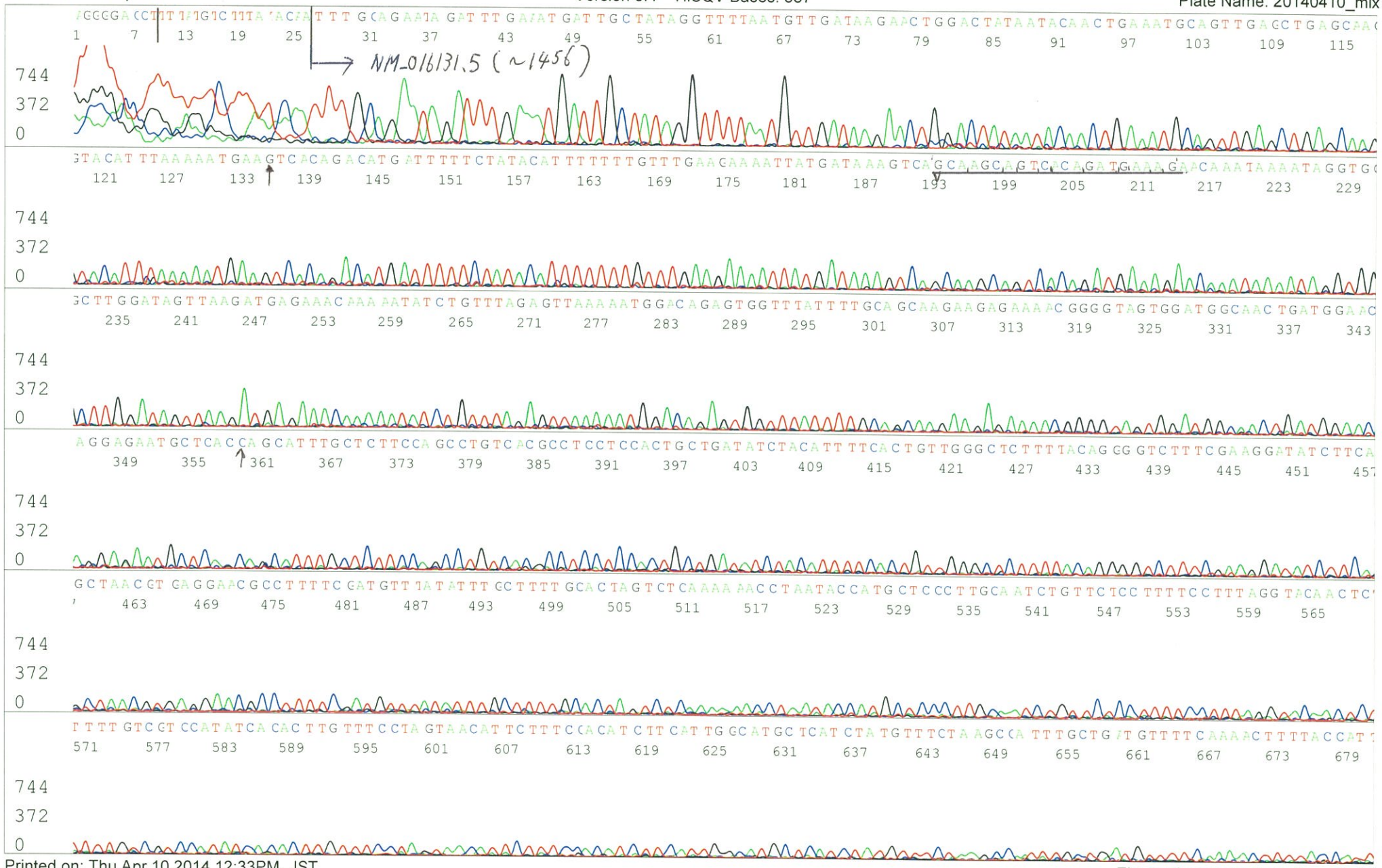


Printed on: Thu Apr 10,2014 12:33PM, JST

Applied Biosystems

S/N G:8 A:11 T:9 C:7
KB.bcp
KB 1.4.1.8 Cap:18

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

6607_ARiS161E15_A4D7_GNPmixture_F09_18
6607_ARiS161E15_A4D7_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1354 to 13444 Pk1 Loc:1331
Version 5.4 HiSQV Bases: 557

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Apr 10,2014 10:52AM, JST
Spacing:11.93 Pts/Panel1350
Plate Name: 20140410_mix