

RIKEN Clone ID : ARiS194G21

Vector : pGCAP10

Gene	RARB		
RefSeq_mRNA	NM_000965.3	3142 bp	1..3142
	<i>CDS</i>	1347 bp	390..1736
	<i>5'-terminal sequence</i>	3142 bp	1..3142

● Plasmid DNA purification

Date : 131001

Culture : LB (100 ug/ml Ampicillin) 5 ml → at 37 deg C O/N

Date : 131002

Purification : QIAGEN Miniprep kit → dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 131002

DNA concentration (O.D.): 128 ng/ul

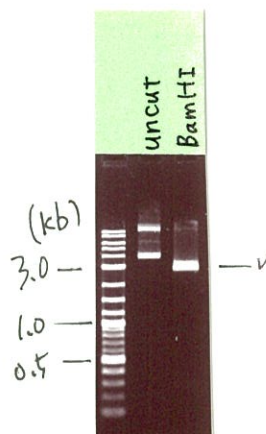
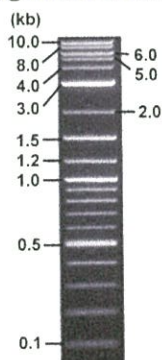
<Size of fragment expected from ARiS194G21 >

DNA	0.4 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH ₂ O	7.6 ul
Total	10 ul

BamHI 3183(vector), 3106, 237bp (unsure)

Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



● Confirmation of the insertion sequence

Date : 131009

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 : 131010

DNA (128 ng/ul)	80.0 ul
10x TE	41.0 ul
dH ₂ O	288.6 ul
Total	409.6 ul

APPROVED BY :

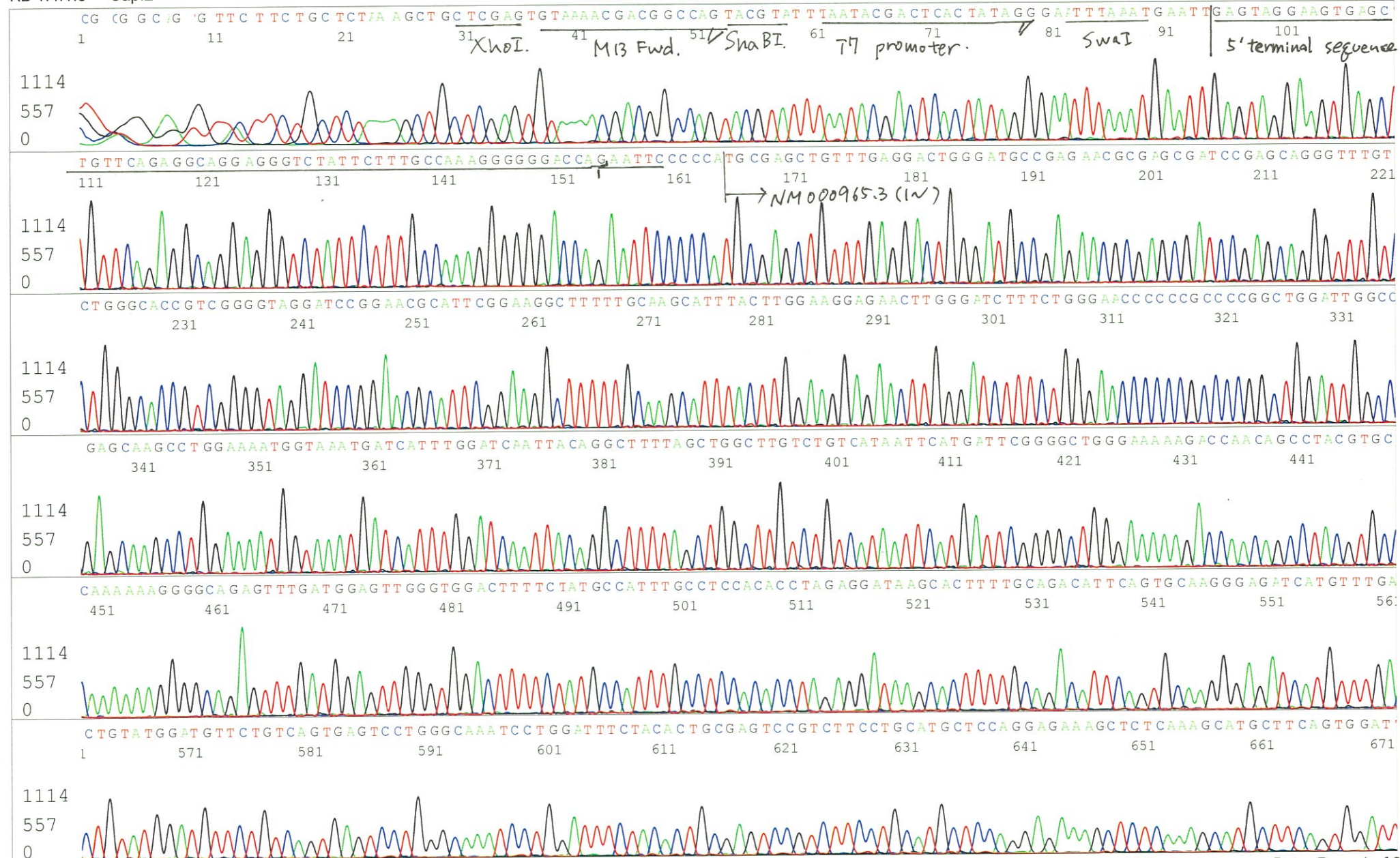


S/N G:766 A:711 T:476 C:4 Primer A : pGCAP-F

KB.bcp

5' CTCAGTGGATGTTGCCTTTAC 3'

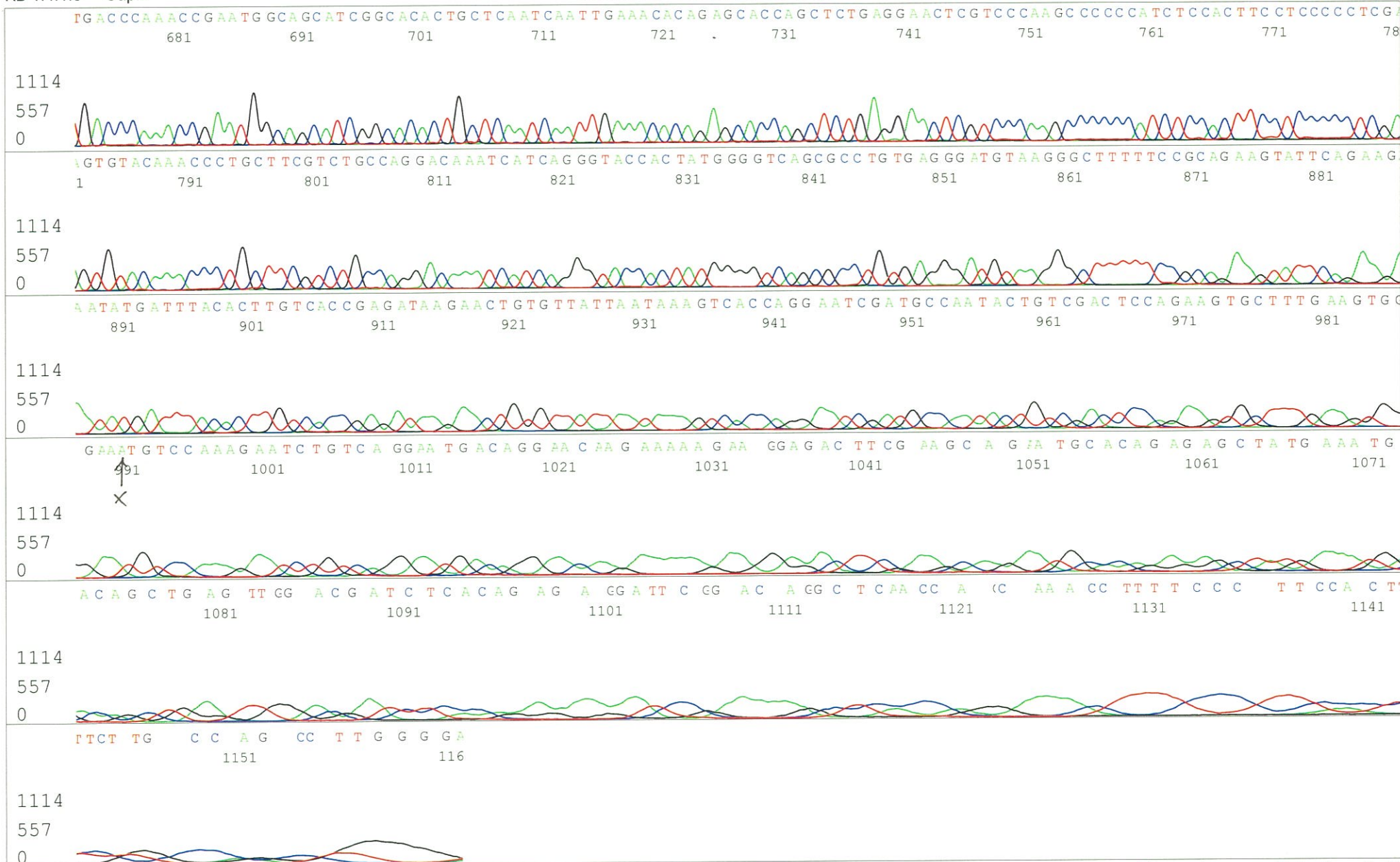
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S/N G:766 A:711 T:476 C:403
KB.bcp
KB 1.4.1.8 Cap:2

6607_ARiS194G21_A3lr_pGCAP_F_A02_02
6607_ARiS194G21_A3lr_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1388 to 13066 Pk1 Loc:1365
Version 5.4 HiSQV Bases: 1020

Inst Model/Name 3500/3500 Instrument
Oct 09,2013 10:39AM, JST
Oct 09,2013 11:06AM, JST
Spacing:11.5 Pts/Panel1350
Plate Name: 20131009_mix

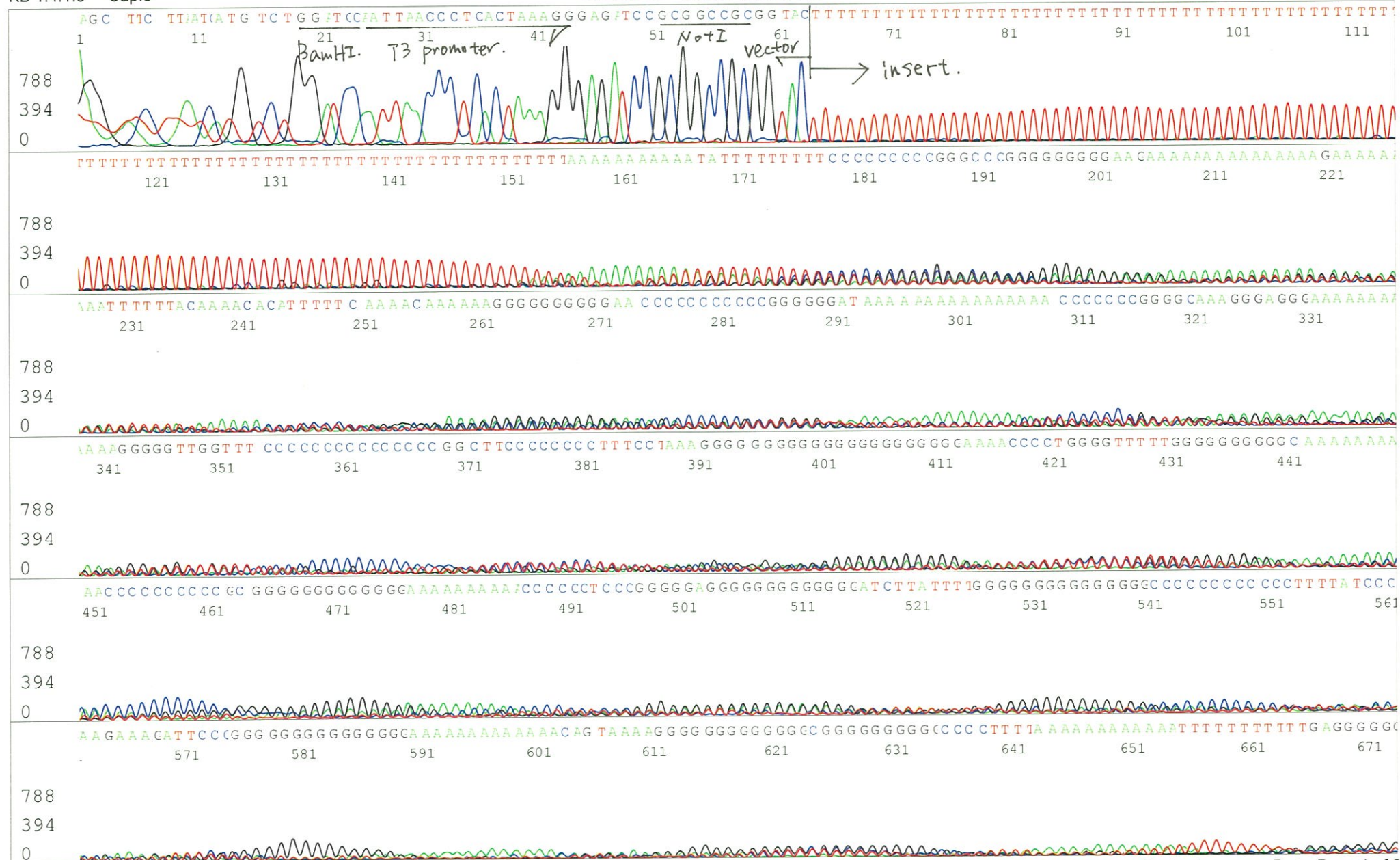


S/N G:34 A:32 T:46 C:22 Primer B : pGCAP-R

KB.bcp

5' GCATTCTAGTTGTGGTTTGTCC 3'

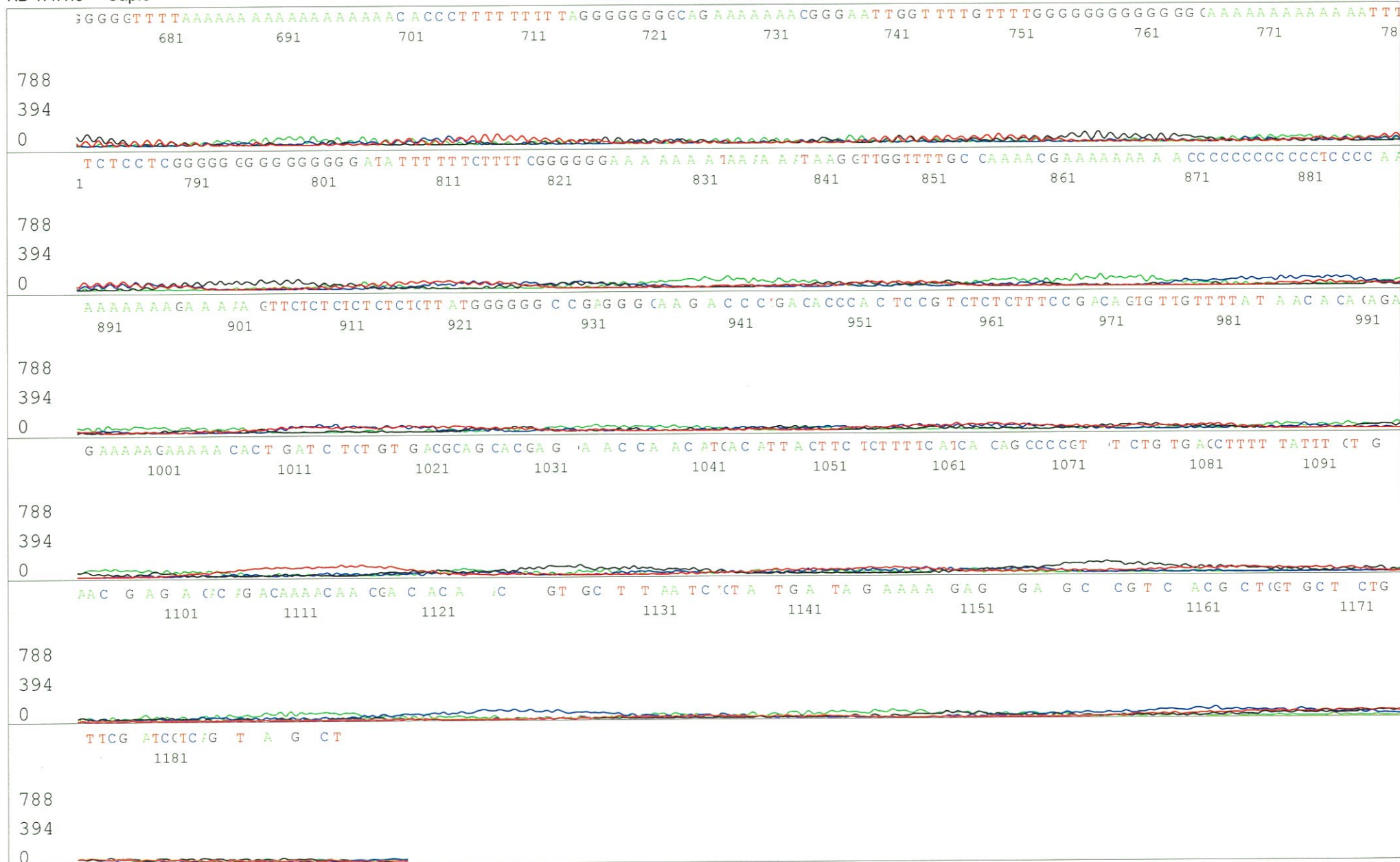
KB 1.4.1.8 Cap:5



S/N G:34 A:32 T:46 C:22
KB.bcp
KB 1.4.1.8 Cap:5

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Pts 1409 to 12998 Pk1 Loc:1386
Version 5.4 HiSQV Bases: 372

Inst Model/Name 3500/3500 Instrument
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Oct 09,2013 11:06AM, JST
Spacing:11.63 Pts/Panel1350
Plate Name: 20131009_mix

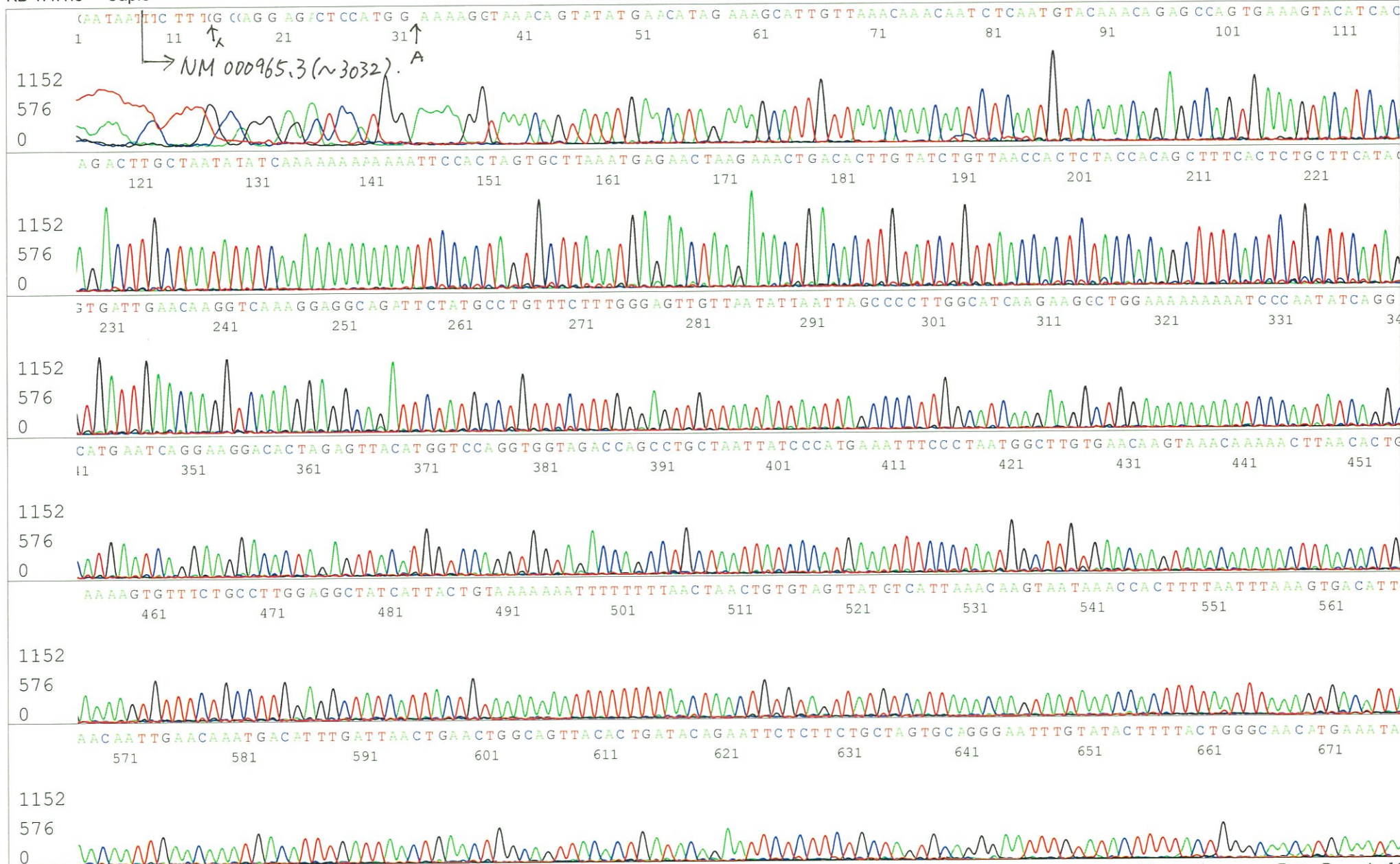


S/N G:31 A:29 T:29 C:19
KB.bcp
KB 1.4.1.8 Cap:8

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

6607_ARiS194G21_A3lr_GNPmixture_C02_08
6607_ARiS194G21_A3lr_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1350 to 13002 Pk1 Loc:1327
Version 5.4 HiSQV Bases: 1008

Inst Model/Name 3500/3500 Instrument
Oct 09,2013 10:39AM, JST
Oct 09,2013 11:06AM, JST
Spacing:11.58 Pts/Panel1350
Plate Name: 20131009_mix



S/N G:31 A:29 T:29 C:19
KB.bcp
KB 1.4.1.8 Cap:8

6607_ARiS194G21_A3lr_GNPmixture_C02_08
6607_ARiS194G21_A3lr_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1350 to 13002 Pk1 Loc:1327
Version 5.4 HiSQV Bases: 1008

Inst Model/Name 3500/3500 Instrument
Oct 09,2013 10:39AM, JST
Oct 09,2013 11:06AM, JST
Spacing:11.58 Pts/Panel1350
Plate Name: 20131009_mix

