NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

RIKEN Clone ID : ARi62C07

Lot# : 7675_A4F9

Vector : pGCAP10

Gene	PLXND1		
RefSeq_mRNA	NM_015103.2	6977 bp	1..6977
	CDS	5778 bp	101..5878
	5' position		—

● Plasmid DNA purification

Date : 140609 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 140610 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 140610

DNA concentration (O.D.): 102 ng/ul

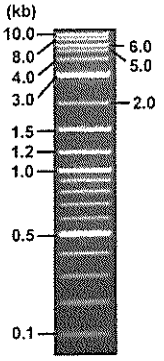
<Size of fragment expected from NM_015103.2

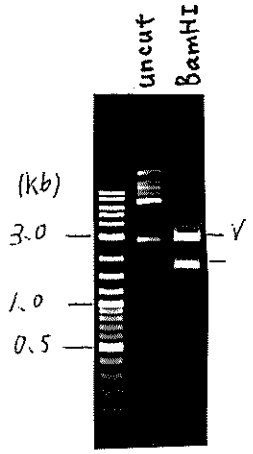
DNA	0.6 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.4 ul
Total	10 ul

BamHI 3183(vector), 2162, 6544, 634 bp (unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





● Confirmation of the insertion sequence

Date : 140613

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 : 140616

DNA (102 ng/ul)	86.0 ul
10x TE	35.1 ul
dH_2O	229.8 ul
Total	350.9 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

~~Conc. : — ng/μl, Volume : — μl~~

APPROVED BY :

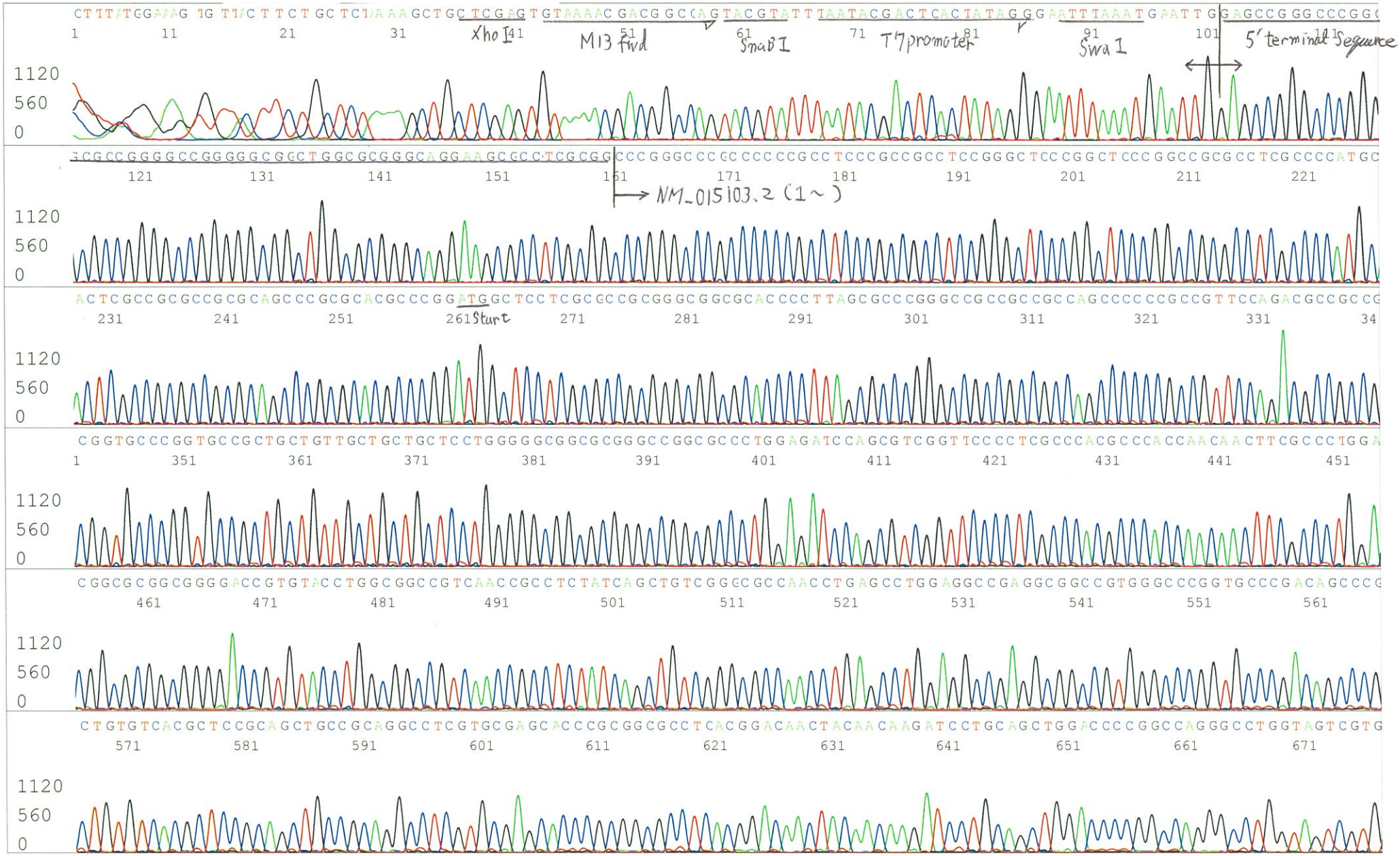
Applied Biosystems

S/N G:100 A:73 T:55 C:144
KB.bcp
KB 1.4.1.8 Cap:13

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7675_ARi62C07_A4F9_pGCAP_F_E01_13
7675_ARi62C07_A4F9_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1340 to 13412 Pk1 Loc:1317
Version 5.4 HiSQV Bases: 1022

Inst Model/Name 3500/3500 Instrument
Jun 12,2014 09:31AM, JST
Jun 12,2014 10:05AM, JST
Spacing:11.96 Pts/Panel1350
Plate Name: 20140612_GNP

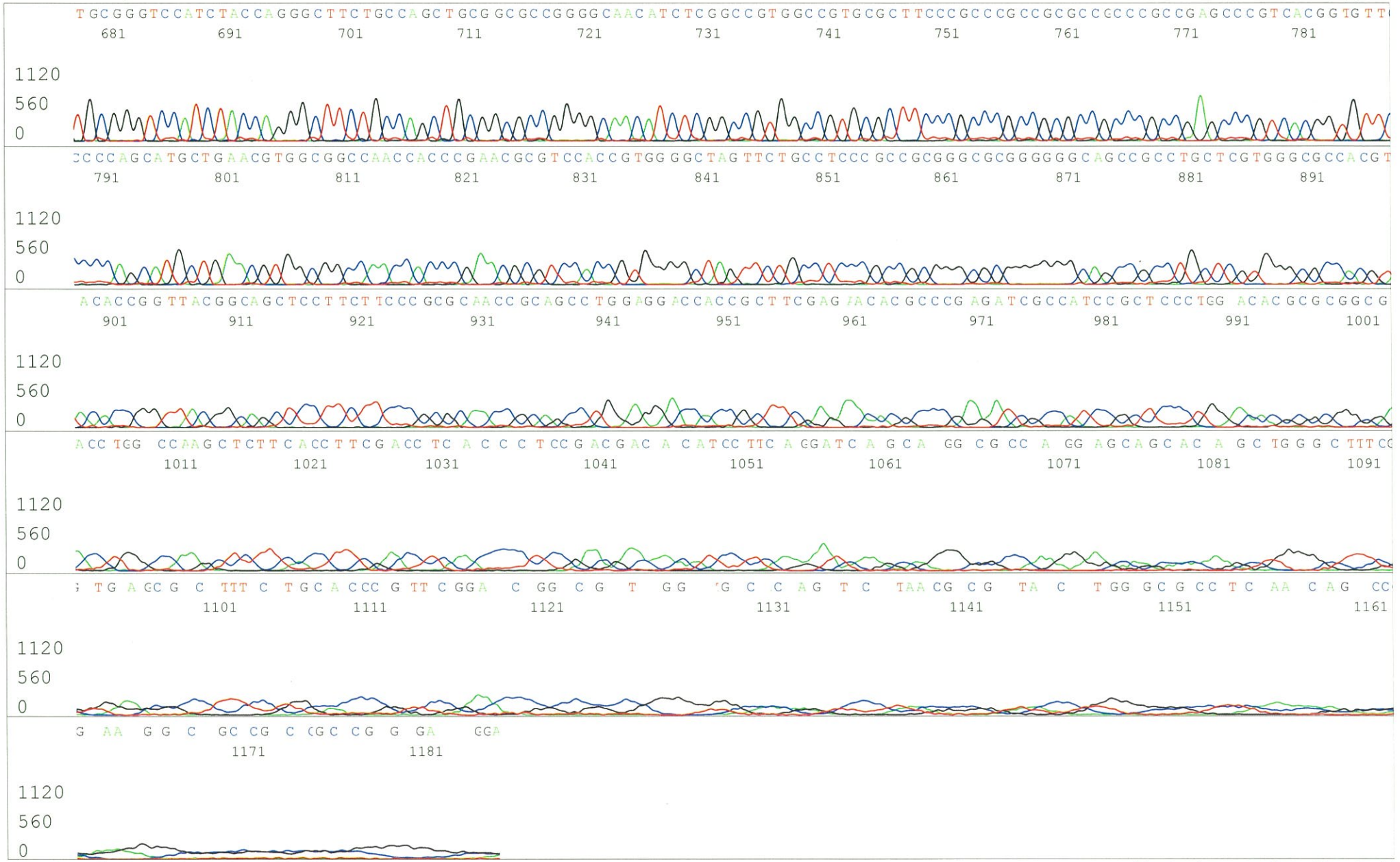


Applied Biosystems

S/N G:100 A:73 T:55 C:144
KB.bcp
KB 1.4.1.8 Cap:13

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7675_ARi62C07_A4F9_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1340 to 13412 Pk1 Loc:1317
Version 5.4 HiSQV Bases: 1022

Inst Model/Name 3500/3500 Instrument
Jun 12,2014 09:31AM, JST
Jun 12,2014 10:05AM, JST
Spacing:11.96 Pts/Panel1350
Plate Name: 20140612_GNP



Applied Biosystems

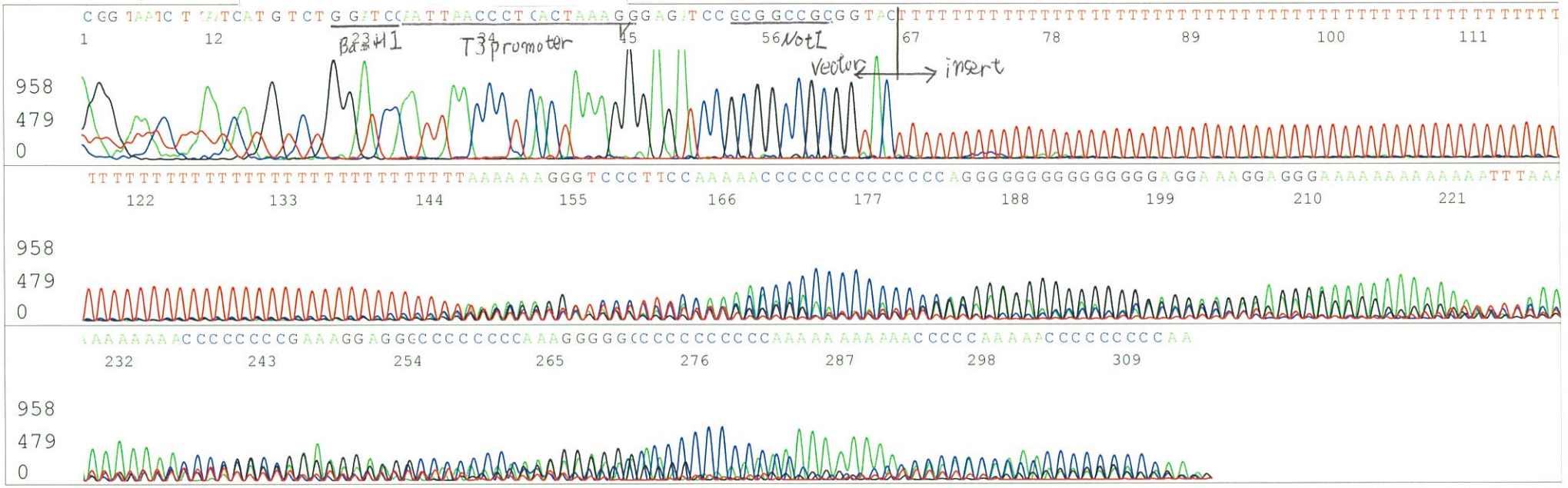
S/N G:23 A:23 T:28 C:23
KB.bcp
KB 1.4.1.8 Cap:16

Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7675_ARi62C07_A4F9_pGCAP_R_F01_16
7675_ARi62C07_A4F9_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1341 to 4770 Pk1 Loc:1318
Version 5.4 HiSQV Bases: 148

Inst Model/Name 3500/3500 Instrument
Jun 12,2014 09:31AM, JST
Jun 12,2014 10:05AM, JST
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Plate Name: 20140612_GNP



Applied Biosystems

S/N G:282 A:254 T:178 C:229
KB.bcp
KB 1.4.1.8 Cap:7

Primer C : Poly(A) region primer #0

5' TTTTTTTTTTTTTTTTTTTTTNNN 3'

7675_ARi62C07_A4F9_GNPmixture_C04_07
7675_ARi62C07_A4F9_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1502 to 3138 Pk1 Loc:1479
Version 5.4 HiSQV Bases: 129

Inst Model/Name 3500/3500 Instrument
Jun 13,2014 09:26AM, JST
Jun 13,2014 09:56AM, JST
Spacing:12.94 Pts/Panel1350
Plate Name: 20140613_GNP

