NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center
Lot# : 7672_A7J6

RIKEN Clone ID : ARe18E11

Vector : pKA1U5

Gene	CD44	
RefSeq_mRNA	NM_000610.3	5748 bp

● Plasmid DNA purification

Date : 171012 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 171017 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

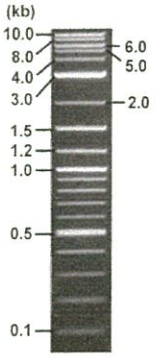
Date : 171017

DNA concentration (O.D.): 233 ng/ul

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

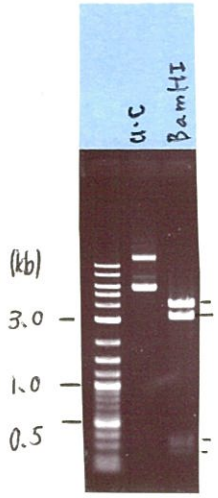
Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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



< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 5.1, 0.3, 0.2 kb (unsure)



● Confirmation of the insertion sequence

Date : 171018

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 :

DNA (233 ng/ul)	82.0 ul
10x TE	76.4 ul
dH_2O	605.8 ul
Total	764.2 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 17.10.18 笹沼

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

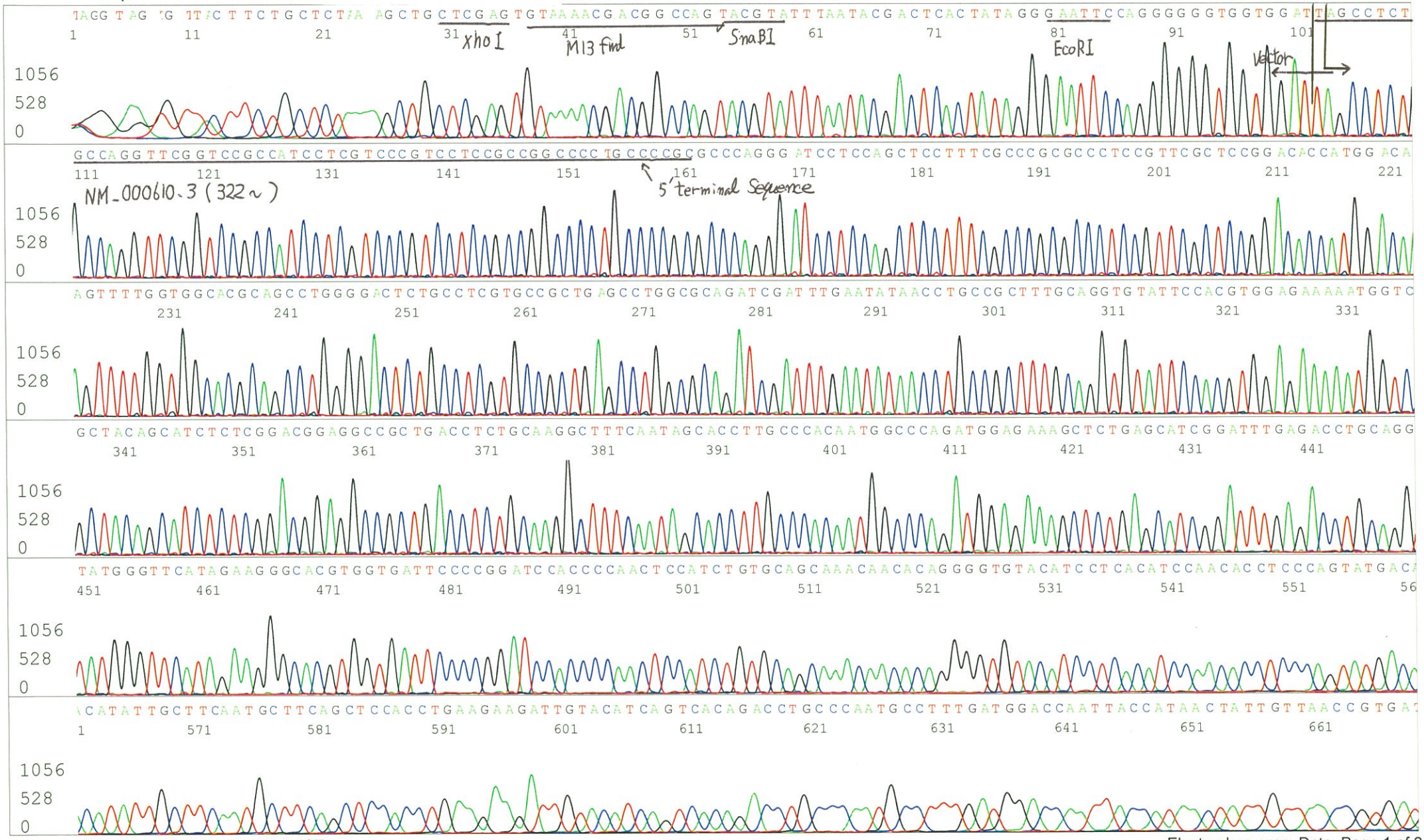
Applied Biosystems

7672_ARe18E11_A7J6_III_pGCAP_F_D11_11_ABI24
7672_ARe18E11_A7J6_III_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1793 to 8706 Pk1 Loc:1761
Version 6.0 HiSQV Bases: 719

Inst Model/Name 3500/3500 Instrument
Oct 18,2017 10:09AM, JST
Oct 18,2017 10:23AM, JST
Spacing:10.45 Pts/Panel1350
Plate Name: 20171018_GNP

S/N G:201 A:189 T:179 C:259
KB.bcp
KB 1.4.1.8 Cap:11

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'



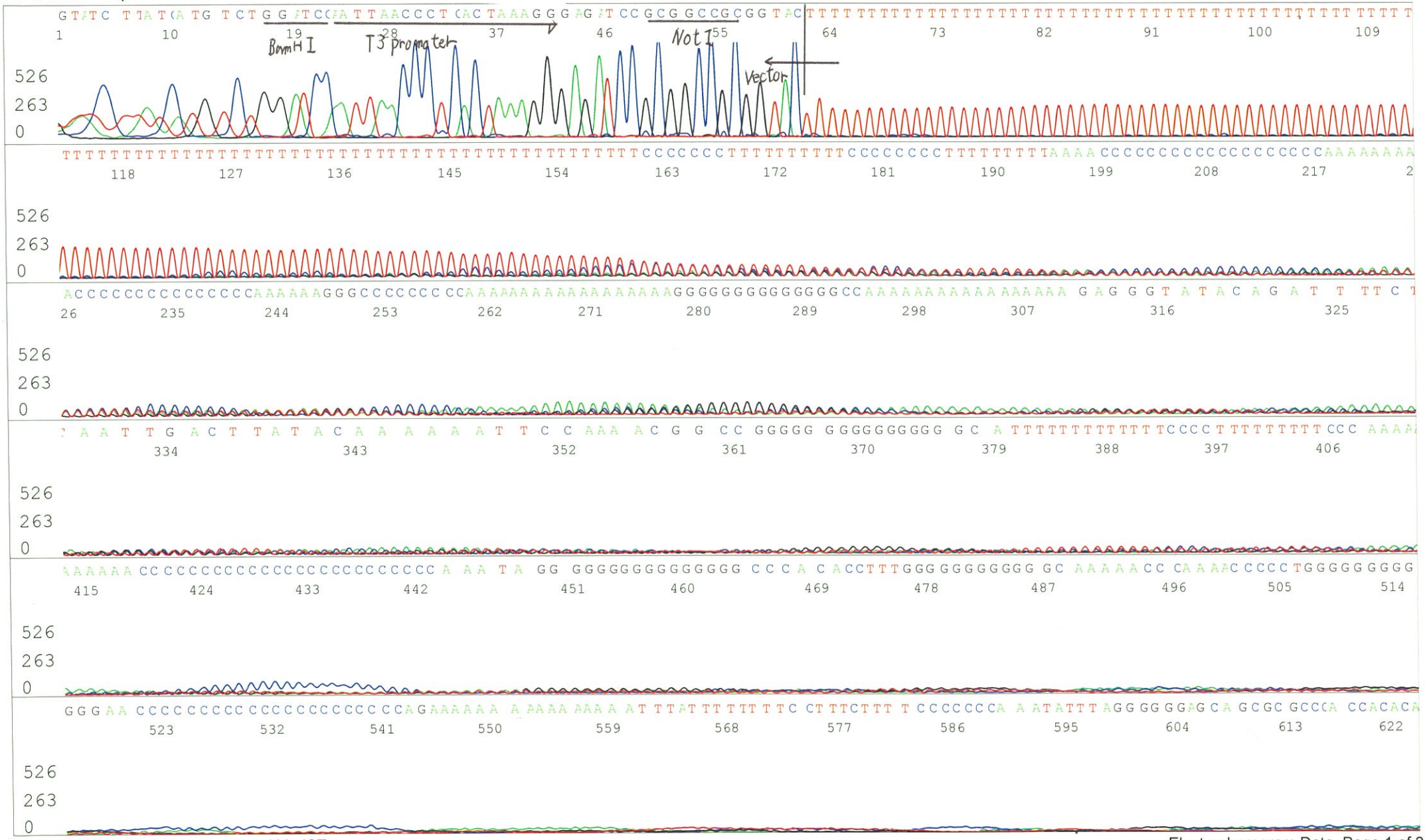
Applied Biosystems

7672_ARe18E11_A7J6_III_pGCAP_R_E11_14_ABI24
7672_ARe18E11_A7J6_III_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1789 to 8706 Pk1 Loc:1757
Version 6.0 HiSQV Bases: 213

Inst Model/Name 3500/3500 Instrument
Oct 18,2017 10:09AM, JST
Oct 18,2017 10:23AM, JST
Spacing:10.63 Pts/Panel1350
Plate Name: 20171018_GNP

S/N G:51 A:56 T:103 C:52
KB.bcp
KB 1.4.1.8 Cap:14

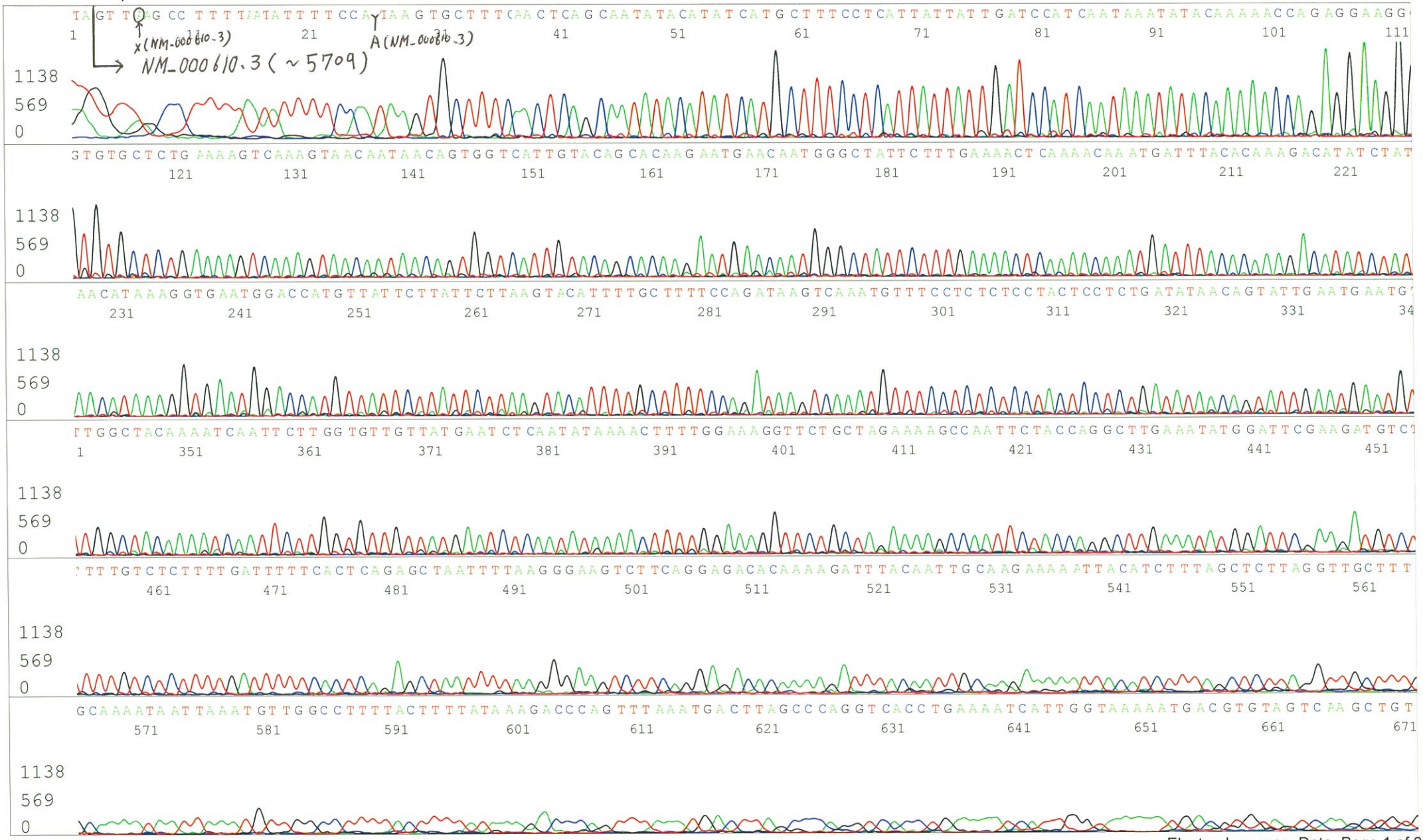
Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'



Applied Biosystems

7672_ARe18E11_A7J6_III_GNPmixture_F11_17_ABI24
7672_ARe18E11_A7J6_III_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1789 to 8706 Pk1 Loc:1757
Version 6.0 HiSQV Bases: 696

Inst Model/Name 3500/3500 Instrument
Oct 18,2017 10:09AM, JST
Oct 18,2017 10:23AM, JST
Spacing:10.45 Pts/Panel1350
Plate Name: 20171018_GNP

S/N G:51 A:71 T:63 C:59
KB.bcp
KB 1.4.1.8 Cap:17

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