NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

Lot# : 7677_B2Ei

RIKEN Clone ID : RBd99B02

Vector : pGCAP10

Gene	GNAS	
RefSeq_mRNA	NM_000516.7	1854 bp

● Plasmid DNA purification

Date : 22.05.18 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 22.05.19 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 22.05.19

DNA concentration (O.D.): 225 ng/ul

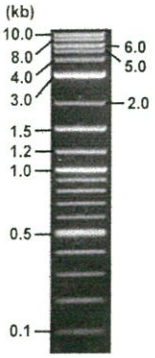
DNA	0.4 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.6 ul
Total	10 ul

< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 0.9, 0.6, 0.5 kb (unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





①:Marker
②:uncut
③:BamHI

● Confirmation of the insertion sequence

Date : 22.06.09

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 : 22.06.10

DNA (225 ng/ul)	80.0 ul
10x TE	72.0 ul
dH_2O	568.0 ul
Total	720.0 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :

確認 22.6.09 笹沼

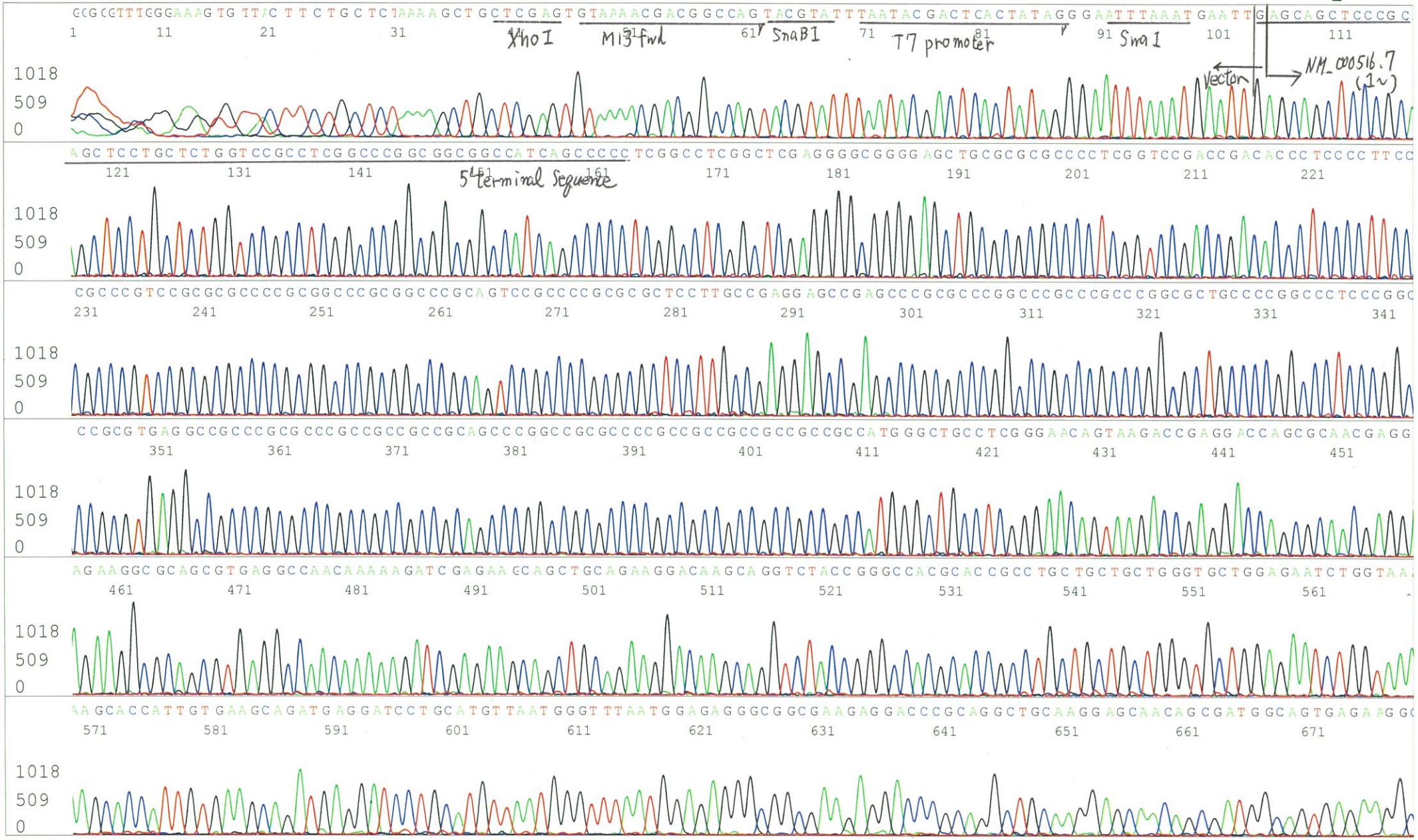
Applied Biosystems

S/N G:55 A:50 T:27 C:69
KB.bcp
KB 1.4.1.8 Cap:1

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7677_RBd99B02_B2Ei_pGCAP_F_A01_01_ABI08
7677_RBd99B02_B2Ei_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1479 to 11879 Pk1 Loc:1462
Version 6.0 HiSQV Bases: 814

Inst Model/Name 3500/3500 Instrument
May 20,2022 09:58AM, JST
May 20,2022 10:21AM, JST
Spacing:13.19 Pts/Panel1350
Plate Name: 20220520_KatoClone



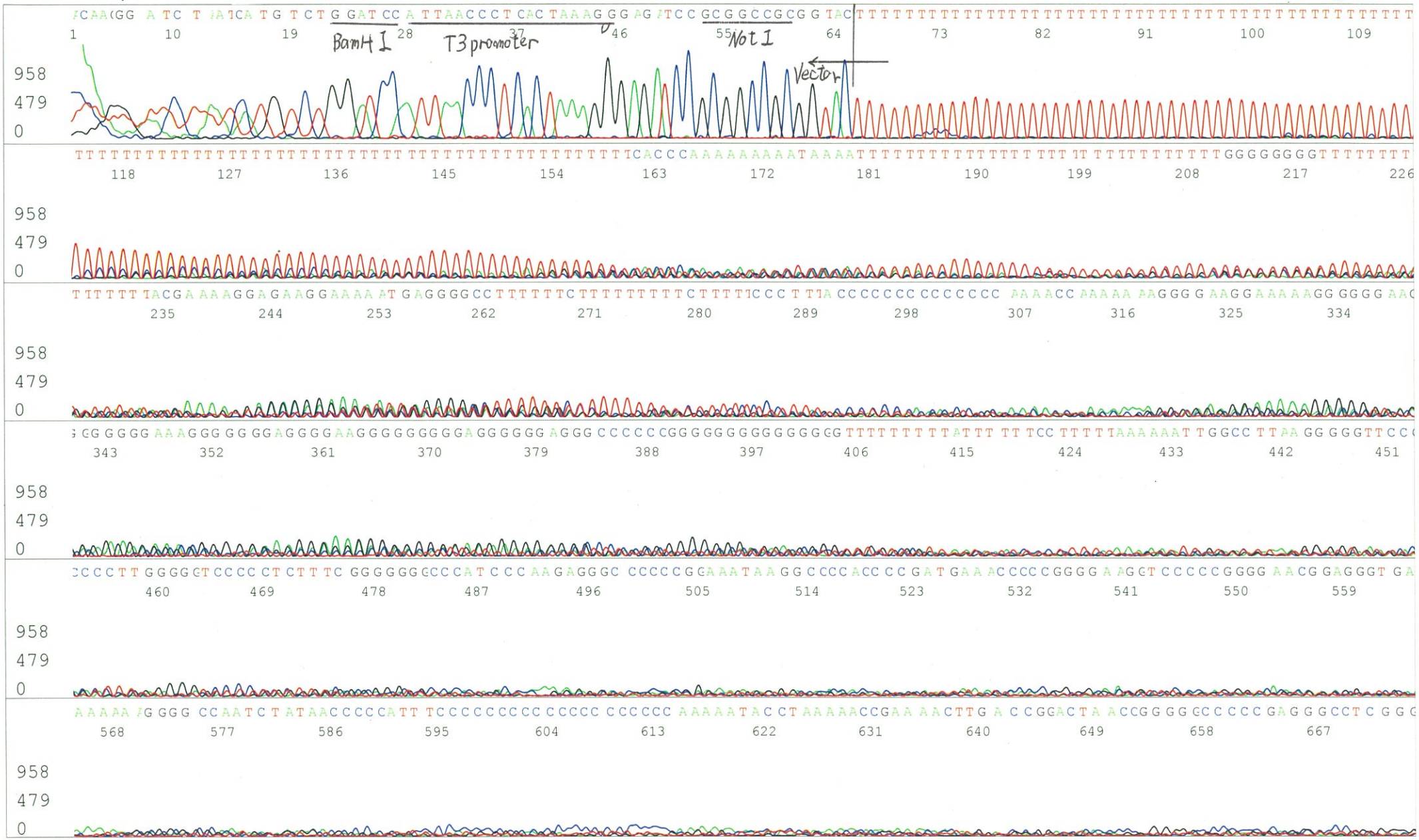
Applied Biosystems

S/N G:10 A:11 T:11 C:9
KB.bcp
KB 1.4.1.8 Cap:2

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd99B02_B2Ei_pGCAP_R_B01_02_ABI08
7677_RBd99B02_B2Ei_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1473 to 12130 Pk1 Loc:1456
Version 6.0 HiSQV Bases: 91

Inst Model/Name 3500/3500 Instrument
May 20,2022 09:58AM, JST
May 20,2022 10:21AM, JST
Spacing:13.54 Pts/Panel1350
Plate Name: 20220520_KatoClone



Applied Biosystems

S/N G:20 A:16 T:11 C:12
KB.bcp
KB 1.4.1.8 Cap:3

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

7677_RBd99B02_B2Ei_GNPmixture_C01_03_ABI08
7677_RBd99B02_B2Ei_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1469 to 11928 Pk1 Loc:1452
Version 6.0 HiSQV Bases: 671

Inst Model/Name 3500/3500 Instrument
May 20,2022 09:58AM, JST
May 20,2022 10:21AM, JST
Spacing:13.25 Pts/Panel1350
Plate Name: 20220520_KatoClone

