NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : RBd26F07

Lot# : 7677_B2Cs

Vector : pGCAP10

Gene	SLTM	
RefSeq_mRNA	NM_024755.4	4168 bp

● Plasmid DNA purification

Date : 22.03.28 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 22.03.29 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 22.03.29

DNA concentration (O.D.): 409 ng/ul

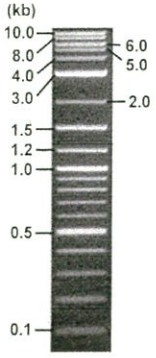
DNA	0.25 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.75 ul
Total	10 ul

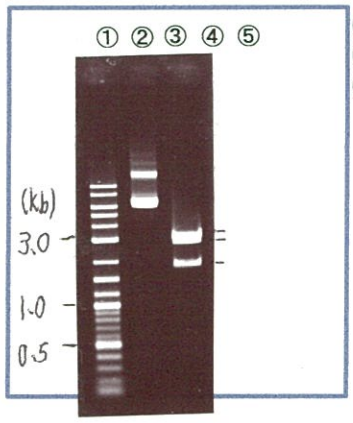
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 2.4, 1.8 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 : 22.05.25

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 : 22.05.26

DNA (409 ng/ul)	72.0 ul
10x TE	117.7 ul
dH_2O	988.2 ul
Total	1177.9 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ Conc. : ___ ng/μl, Volume : ___ μl

APPROVED BY : 確認 22.5.25 笹沼

Applied Biosystems

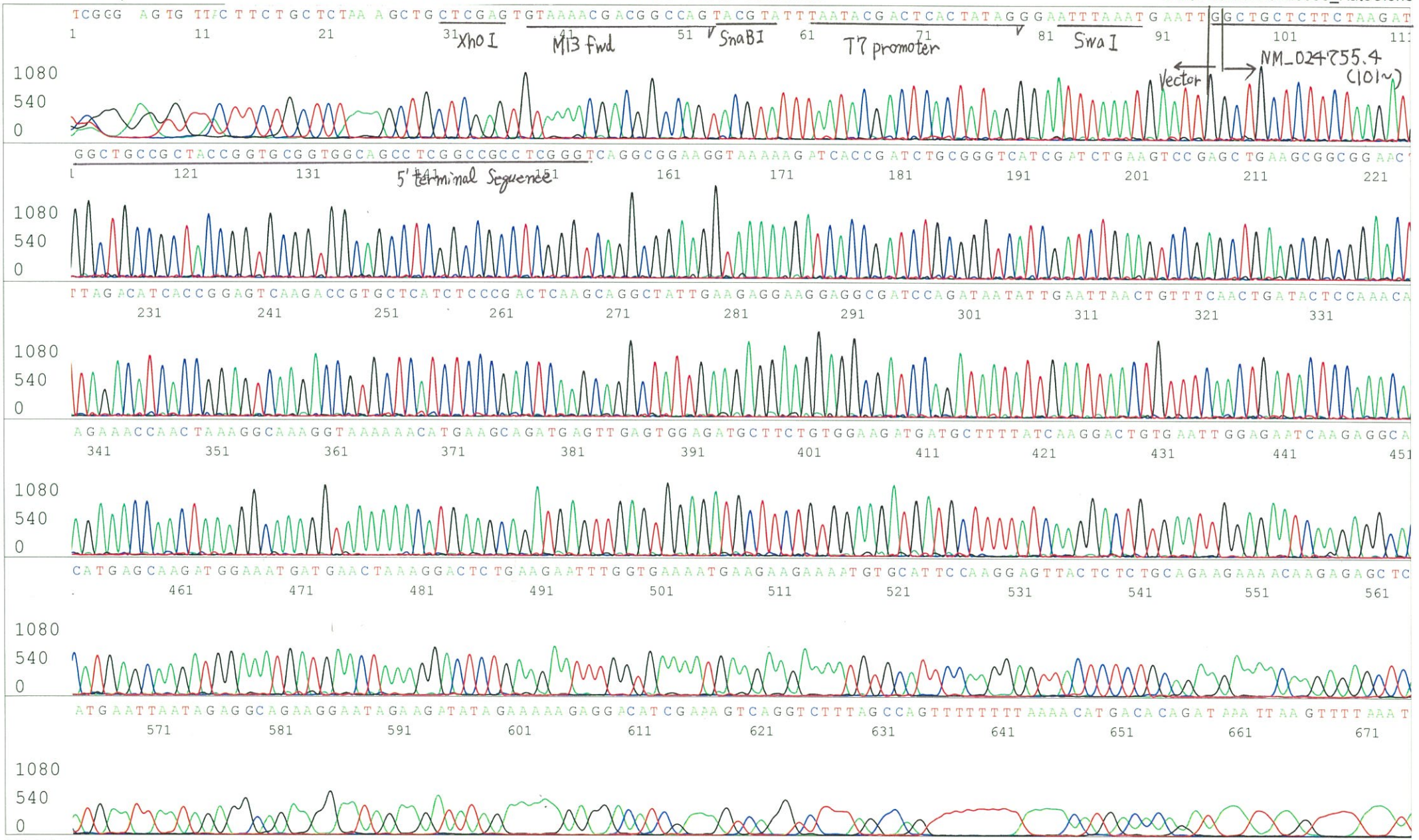
S/N G:223 A:303 T:173 C:241
KB.bcp
KB 1.4.1.8 Cap:6

Primer A : pGCAP-F

5' CTCAGTGGATGTTGCCTTTAC 3'

7677_RBd26F07_B2Cs_pGCAP_F_B03_06_ABI24
7677_RBd26F07_B2Cs_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1736 to 8708 Pk1 Loc:1704
Version 6.0 HiSQV Bases: 650

Inst Model/Name 3500/3500 Instrument
Mar 30,2022 09:44AM, JST
Mar 30,2022 09:59AM, JST
Spacing:10.8 Pts/Panel1350
Plate Name: 20220330_KatoClone



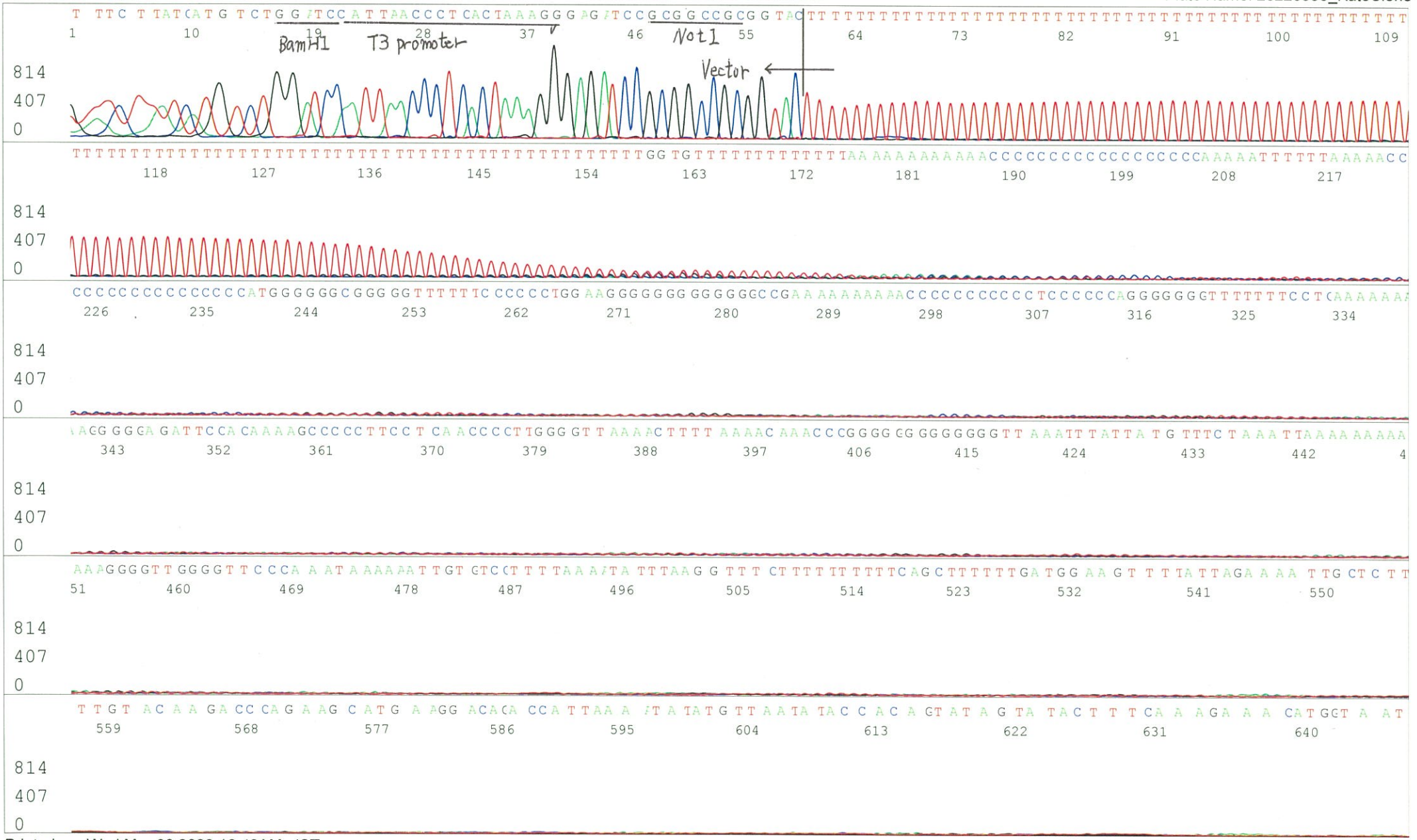
Applied Biosystems

S/N G:53 A:66 T:109 C:62
KB.bcp
KB 1.4.1.8 Cap:9

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd26F07_B2Cs_pGCAP_R_C03_09_ABI24
7677_RBd26F07_B2Cs_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1738 to 9000 Pk1 Loc:1706
Version 6.0 HiSQV Bases: 139

Inst Model/Name 3500/3500 Instrument
Mar 30,2022 09:44AM, JST
Mar 30,2022 09:59AM, JST
Spacing:10.73 Pts/Panel1350
Plate Name: 20220330_KatoClone



Applied Biosystems

S/N G:10 A:16 T:9 C:10
KB.bcp
KB 1.4.1.8 Cap:8

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

7677_RBd26F07_B2Cs_GNPmixture_H01_08_ABI08
7677_RBd26F07_B2Cs_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1393 to 13685 Pk1 Loc:1370
Version 6.0 HiSQV Bases: 854

Inst Model/Name 3500/3500 Instrument
Mar 30,2022 03:51PM, JST
Mar 30,2022 04:20PM, JST
Spacing:12.3 Pts/Panel1350
Plate Name: 20220330_knakashima

