NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

RIKEN_Clone_ID : ARi35G03

Lot# : 7675_A4Cb

Vector : pGCAP10

Gene	SLC44A2		
RefSeq_mRNA	NM_020428.3	3434 bp	1..3434
	CDS	2121 bp	140..2260
	5' position		—

● Plasmid DNA purification

Date : 140316 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 140317 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

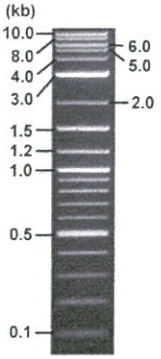
Date : 140317.

DNA concentration (O.D.): 300.8 ng/ul

DNA	0.2 ul
Enzyme (BamHI)	1 ul
Buffer H	0.25 ul
dH_2O	8.5 ul
Total	10 ul

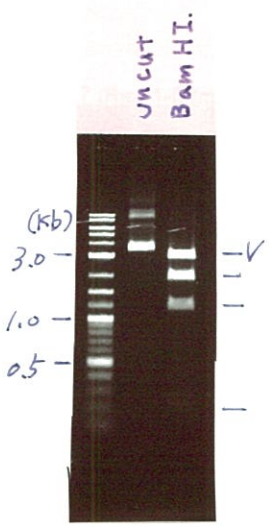
Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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



<Size of fragment expected from ARi35G03 >

BamHI 3183(vector), 2141, 1302, 192 bp (unsure)



● Confirmation of the insertion sequence

Date : 140319

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 : 140319

DNA (300.8 ng/ul)	85.0	ul
10x TE	102.3	ul
dH_2O	835.4	ul
Total	1022.7	ul

APPROVED BY :

確認 DNA 14.3.19 笹沼

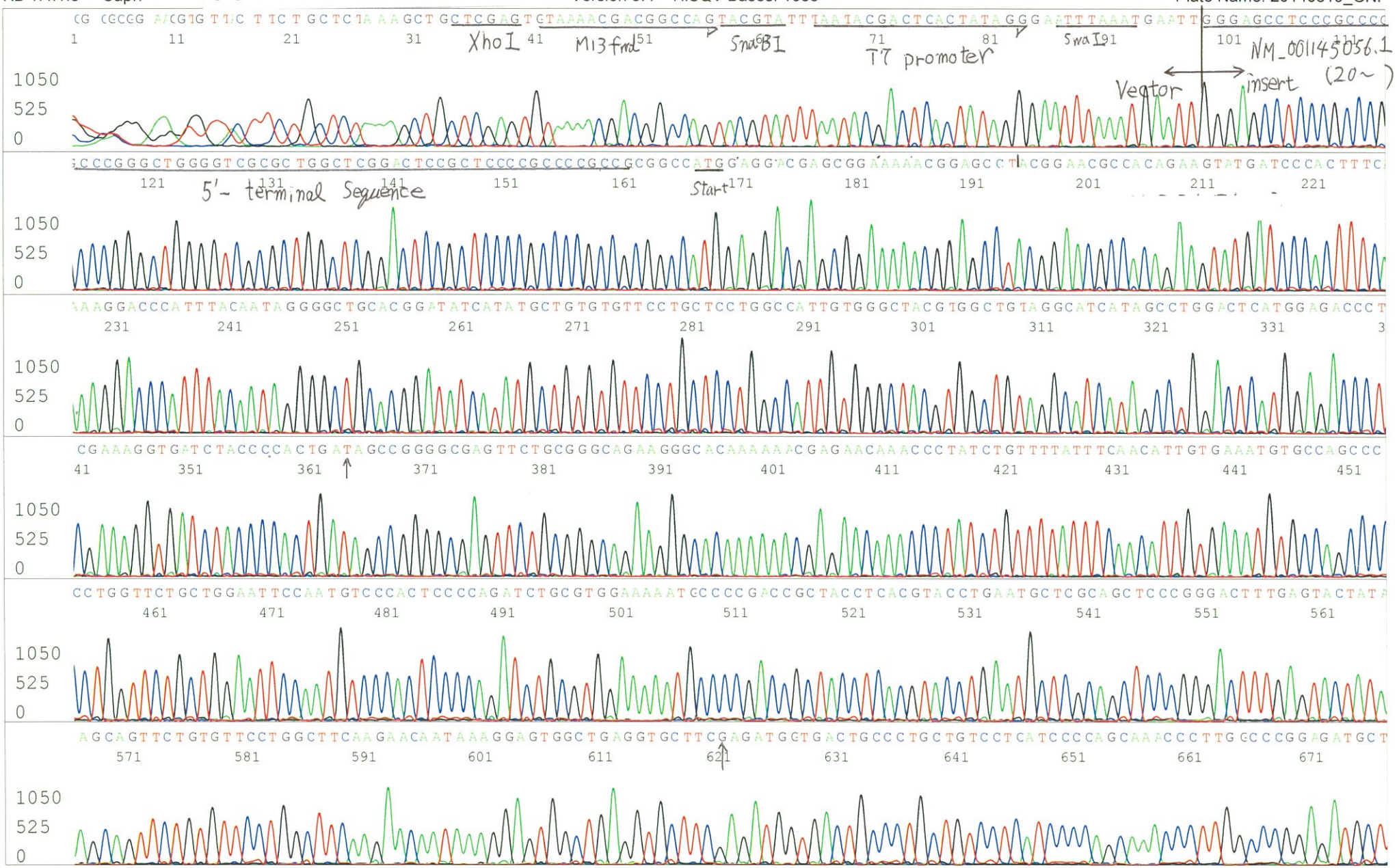
Applied Biosystems

S/N G:116 A:128 T:138 C:1
KB.bcp
KB 1.4.1.8 Cap:7

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7675_ARi35G03_A4Cb_2_pGCAP_F_C10_07
7675_ARi35G03_A4Cb_2_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1381 to 13662 Pk1 Loc:1358
Version 5.4 HiSQV Bases: 1035

Inst Model/Name 3500/3500 Instrument
Mar 19,2014 10:25AM, JST
Mar 19,2014 10:51AM, JST
Spacing:12.05 Pts/Panel1350
Plate Name: 20140319_GNP



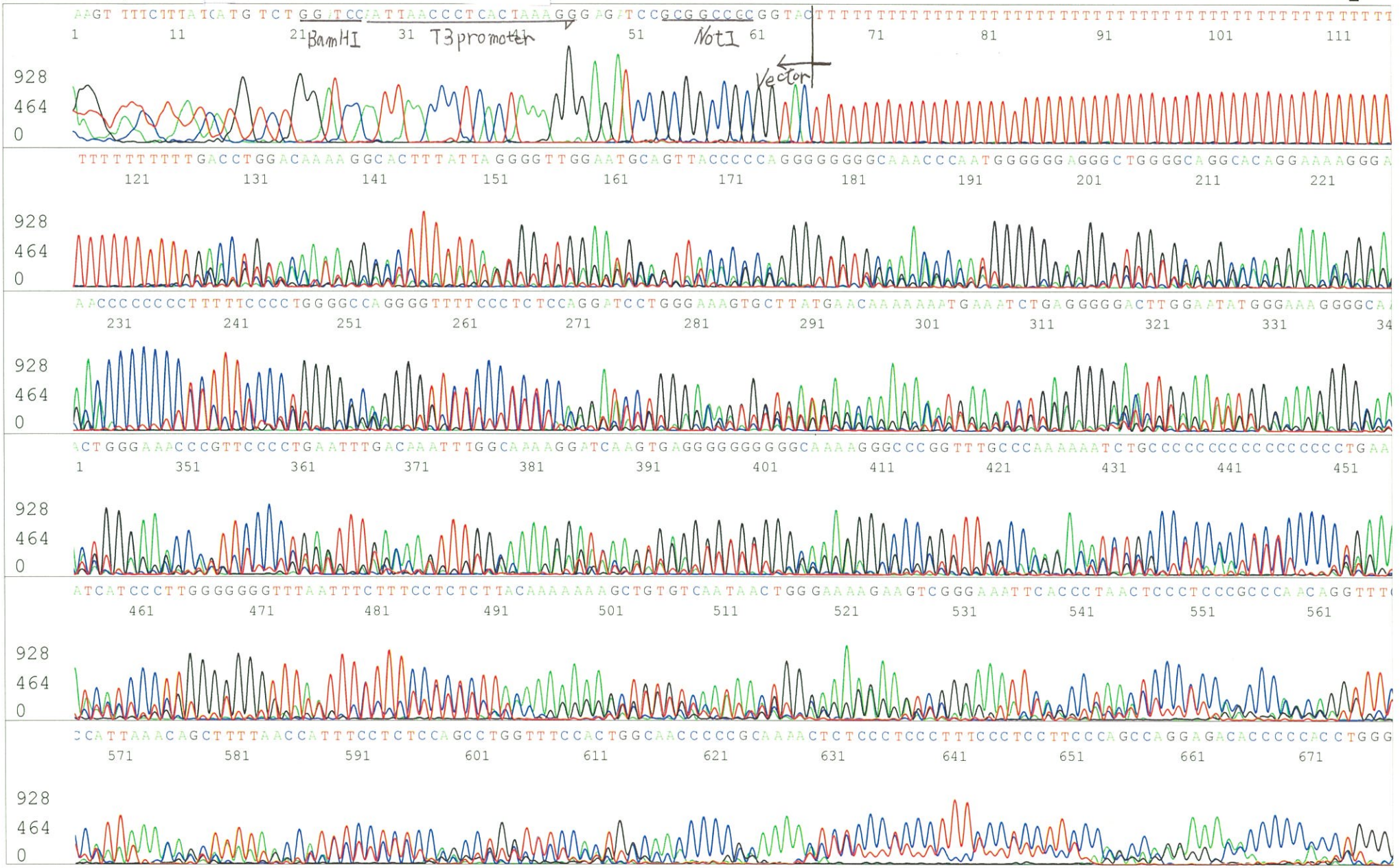
Applied Biosystems

S/N G:20 A:20 T:19 C:19
KB.bcp
KB 1.4.1.8 Cap:10

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7675_ARi35G03_A4Cb_2_pGCAP_R_D10_10
7675_ARi35G03_A4Cb_2_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1389 to 13577 Pk1 Loc:1366
Version 5.4 HiSQV Bases: 366

Inst Model/Name 3500/3500 Instrument
Mar 19,2014 10:25AM, JST
Mar 19,2014 10:51AM, JST
Spacing:12.05 Pts/Panel1350
Plate Name: 20140319_GNP



Applied Biosystems

S/N G:57 A:61 T:50 C:57
KB.bcp
KB 1.4.1.8 Cap:13

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

7675_ARi35G03_A4Cb_2_GNPmixture_E10_13
7675_ARi35G03_A4Cb_2_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1371 to 13693 Pk1 Loc:1348
Version 5.4 HiSQV Bases: 1021

Inst Model/Name 3500/3500 Instrument
Mar 19,2014 10:25AM, JST
Mar 19,2014 10:51AM, JST
Spacing:12.08 Pts/Panel1350
Plate Name: 20140319_GNP

