B2

NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : ARe53A05
Lot# : 7672_A9Lp

Vector : pKA1U5

Gene	BLVRB	
RefSeq_mRNA	NM_000713.3	799 bp

● Plasmid DNA purification

Date : 2019.12.23 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 2020.01.07 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 2020.01.07

DNA concentration (O.D.): 302 ng/ul

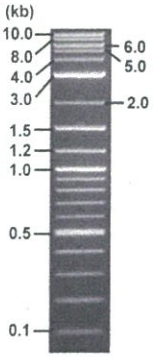
< Size of fragment expected from this clone >

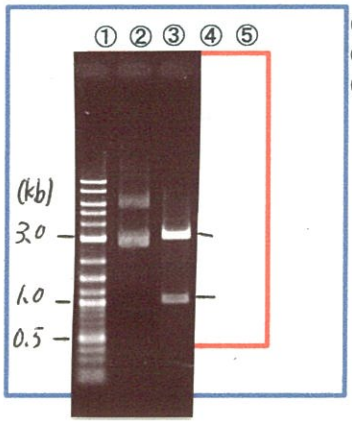
DNA	0.3 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.7 ul
Total	10 ul

BamHI 3.1kb (vector), 1.0 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 : 2021.4.28

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 : 21.04.01

DNA (302 ng/ul)	82.0 ul
10x TE	99.0 ul
dH_2O	809.5 ul
Total	990.5 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

~~☐ Conc. : ng/μl, Volume : μl~~

APPROVED BY :



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

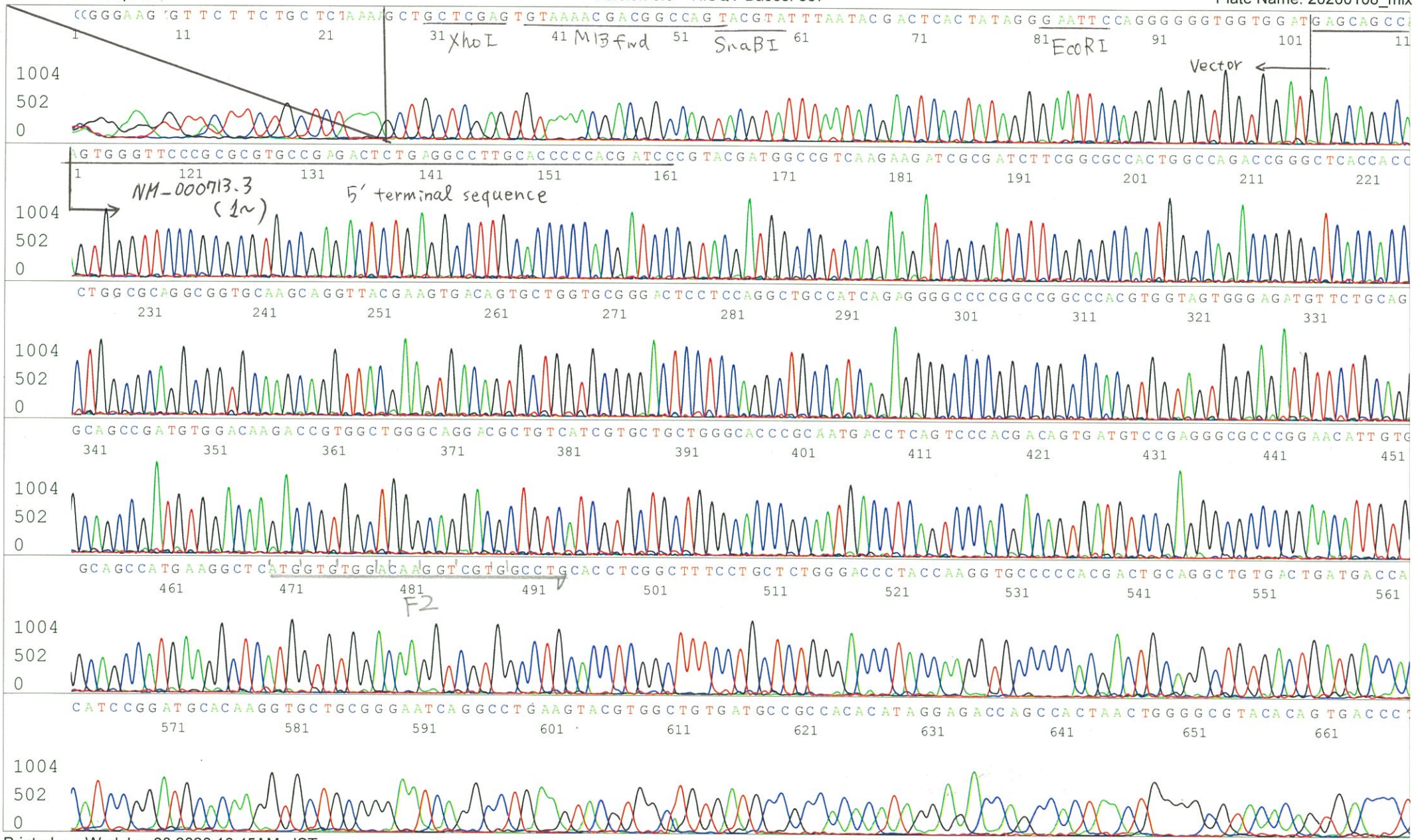
Applied Biosystems

S/N G:95 A:73 T:40 C:83
KB.bcp
KB 1.4.1.8 Cap:10

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7672_ARe53A05_A9Lp_pGCAP_F_D01_10_ABI24
7672_ARe53A05_A9Lp_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1828 to 8707 Pk1 Loc:1796
Version 6.0 HiSQV Bases: 667

Inst Model/Name 3500/3500 Instrument
Jan 08,2020 09:53AM, JST
Jan 08,2020 10:07AM, JST
Spacing:10.51 Pts/Panel1350
Plate Name: 20200108_mix



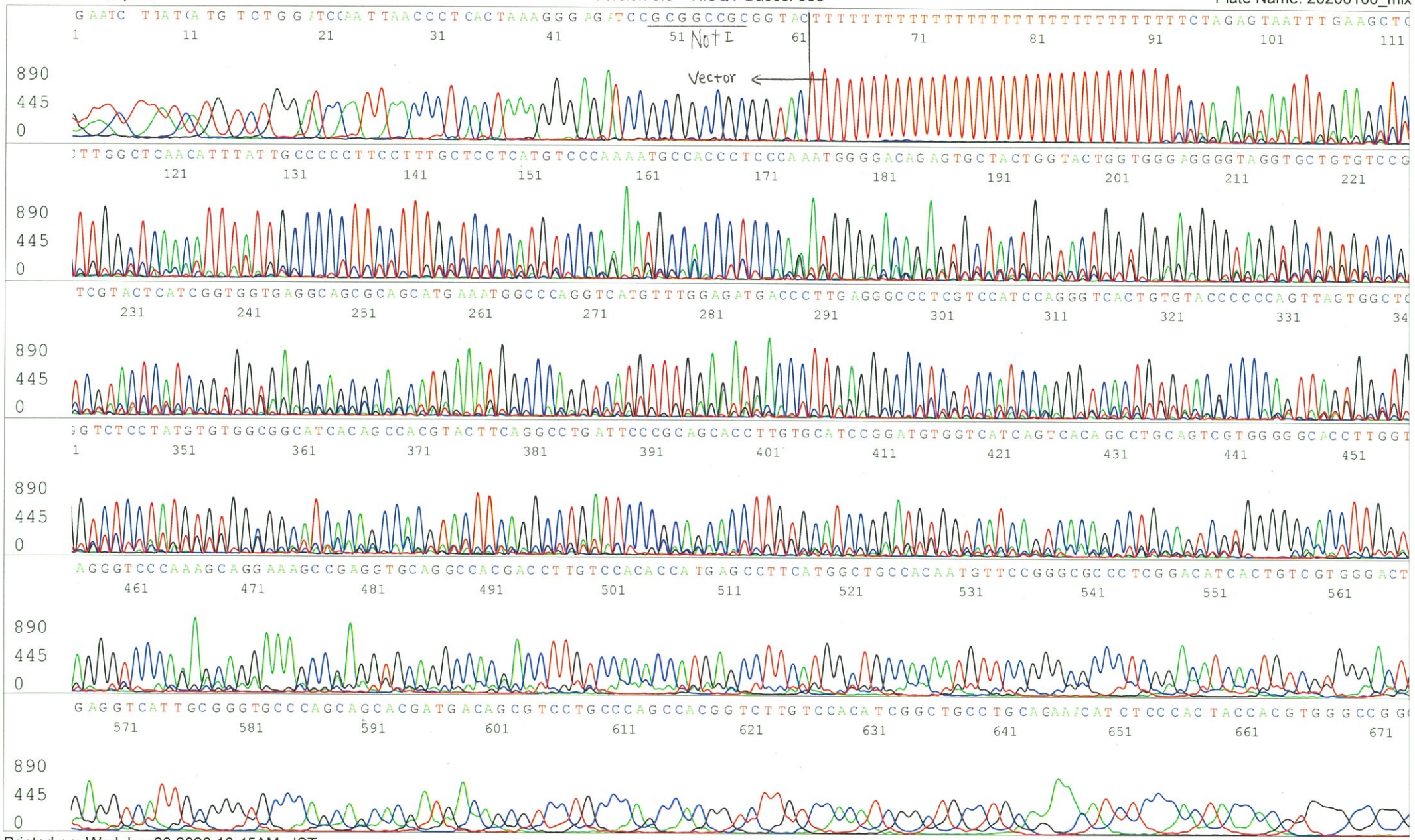
Applied Biosystems

S/N G:151 A:135 T:88 C:173
KB.bcp
KB 1.4.1.8 Cap:13

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7672_ARe53A05_A9Lp_pGCAP_R_E01_13_ABI24
7672_ARe53A05_A9Lp_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1829 to 8707 Pk1 Loc:1797
Version 6.0 HiSQV Bases: 533

Inst Model/Name 3500/3500 Instrument
Jan 08,2020 09:53AM, JST
Jan 08,2020 10:07AM, JST
Spacing:10.49 Pts/Panel1350
Plate Name: 20200108_mix



Applied Biosystems

S/N G:46 A:33 T:21 C:42
KB.bcp
KB 1.4.1.8 Cap:16

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

7672_ARe53A05_A9Lp_GNPmixture_F01_16_ABI24
7672_ARe53A05_A9Lp_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1800 to 8707 Pk1 Loc:1768
Version 6.0 HiSQV Bases: 677

Inst Model/Name 3500/3500 Instrument
Jan 08,2020 09:53AM, JST
Jan 08,2020 10:07AM, JST
Spacing:10.51 Pts/Panel1350
Plate Name: 20200108_mix

