NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : ARi34G01
Vector : pGCAP10

IGFLR1
Lot# : 7675_B1II

Gene	TMEM149	
RefSeq_mRNA	NM_024660.4	1647 bp

● Plasmid DNA purification

Date : 21.09.21 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 21.09.22 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 21.09.22

DNA concentration (O.D.): 241 ng/ul

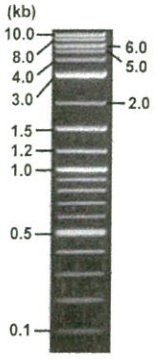
DNA	0.4 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.6 ul
Total	10 ul

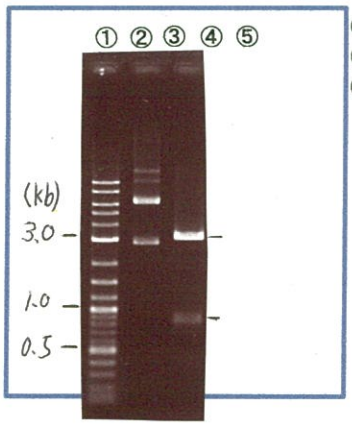
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 1.6 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 : 21.11.15

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 : 21.12.2

DNA (241 ng/ul)	84.0 ul
10x TE	80.9 ul
dH_2O	644.8 ul
Total	809.7 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 21.11.15 佐治

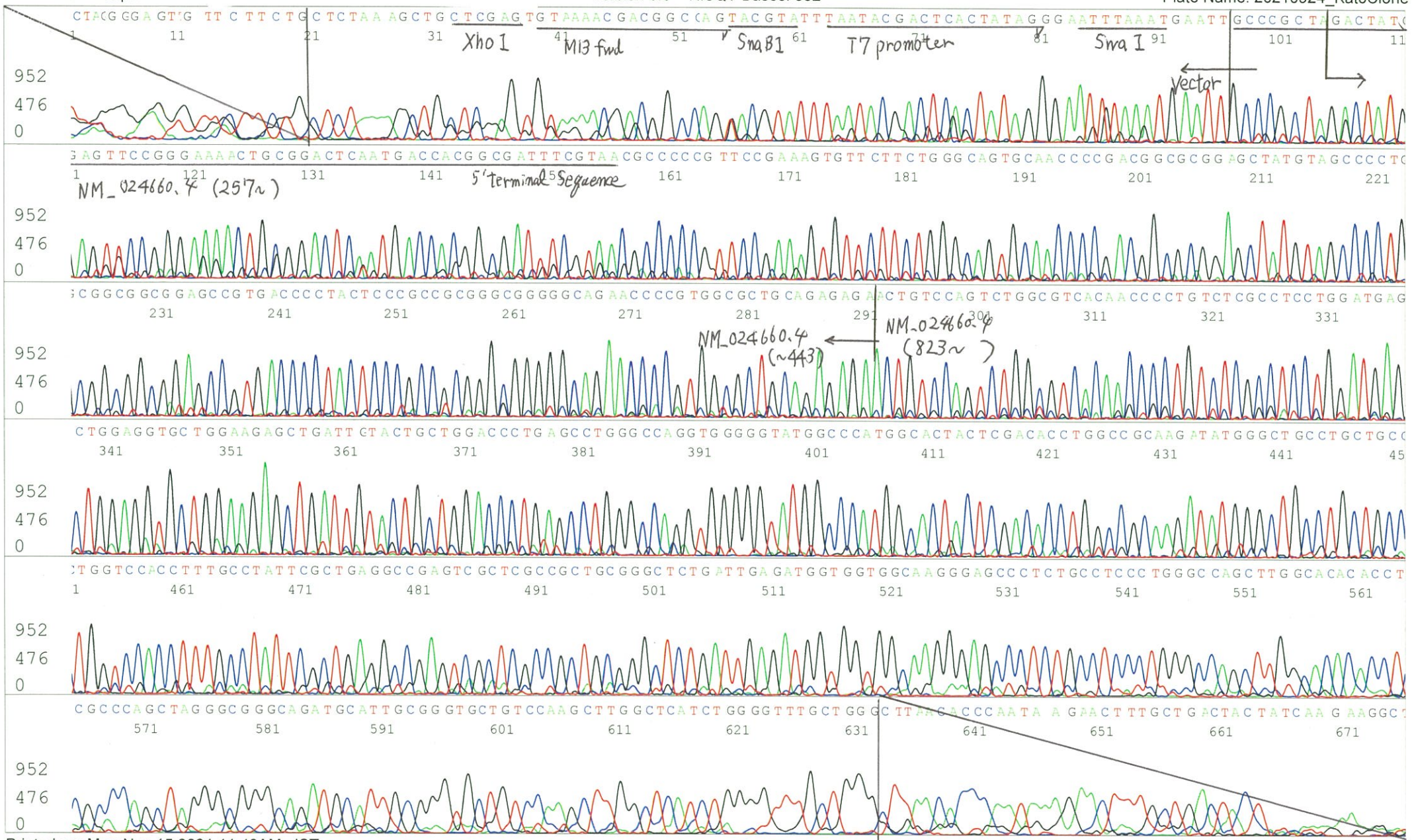
Applied Biosystems

S/N G:40 A:43 T:27 C:40
KB.bcp
KB 1.4.1.8 Cap:1

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7675_ARi34G01_B1II_pGCAP_F_A01_01_ABI24
7675_ARi34G01_B1II_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1786 to 8707 Pk1 Loc:1754
Version 6.0 HiSQV Bases: 552

Inst Model/Name 3500/3500 Instrument
Sep 24,2021 09:46AM, JST
Sep 24,2021 10:01AM, JST
Spacing:10.83 Pts/Panel1350
Plate Name: 20210924_KatoClone



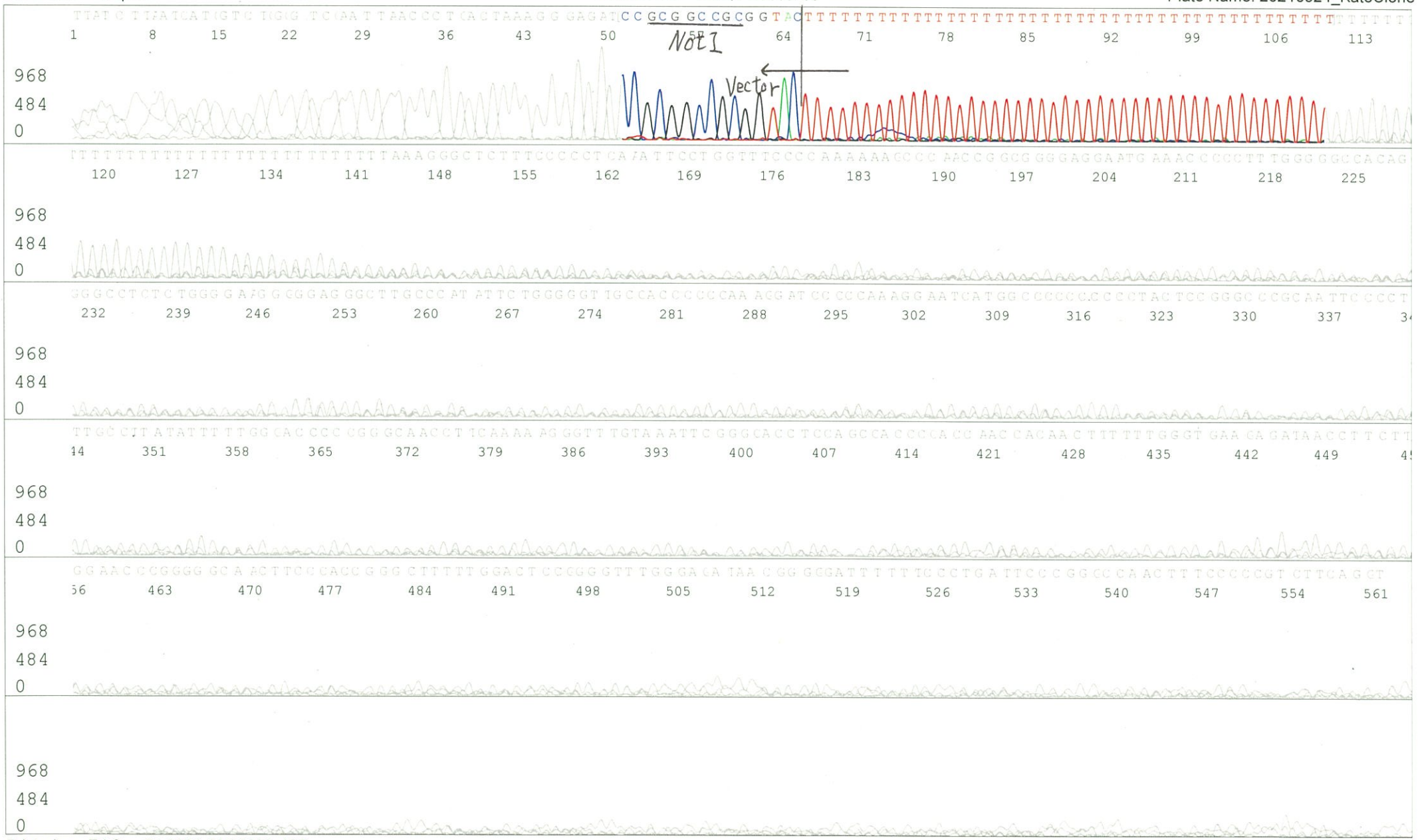
Applied Biosystems

S/N G:7 A:8 T:9 C:9
KB.bcp
KB 1.4.1.8 Cap:4

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7675_ARi34G01_B1ll_pGCAP_R_B01_04_ABI24
7675_ARi34G01_B1ll_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1785 to 8707 Pk1 Loc:1753
Version 6.0 HiSQV Bases: 99

Inst Model/Name 3500/3500 Instrument
Sep 24,2021 09:46AM, JST
Sep 24,2021 10:01AM, JST
Spacing:10.77 Pts/Panel1350
Plate Name: 20210924_KatoClone



Applied Biosystems

S/N G:21 A:19 T:13 C:23
KB.bcp
KB 1.4.1.8 Cap:9

Primer C : Poly(A) region primer #46
5' TTTTTTTTTTTTTTTTTTTT AGT 3'

7675_ARi34G01_B1II_GNP 46_C06_09_ABI24
7675_ARi34G01_B1II_GNP 46
KB_3500_POP7_BDTv3.mob
Pts 1714 to 8690 Pk1 Loc:1682
Version 6.0 HiSQV Bases: 659

Inst Model/Name 3500/3500 Instrument
Oct 21,2021 10:25AM, JST
Oct 21,2021 10:41AM, JST
Spacing:10.61 Pts/Panel1350
Plate Name: 20211021_mix

