

**RIKEN Clone ID : ARe67B12**

Vector : pKA1U5

Gene	KDM3A	
RefSeq_mRNA	NM_018433.6	4667 bp

● Plasmid DNA purification

Date : 22.01.19

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

Date : 22.01.20

Purification : QIAGEN Miniprep kit -> dH<sub>2</sub>O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 22.01.20

DNA concentration (O.D.): 383 ng/ul

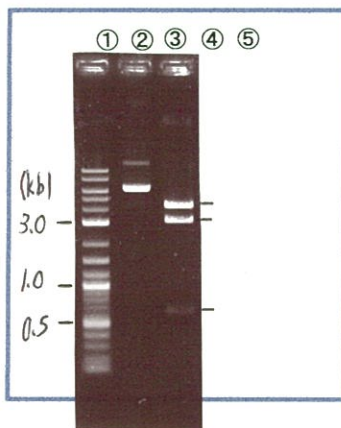
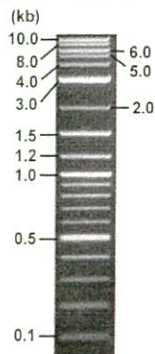
< Size of fragment expected from this clone >

DNA	<u>0.3</u> ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH <sub>2</sub> O	<u>7.7</u> ul
Total	10 ul

BamHI 3.1kb (vector), 4.2, 0.6 kb (unsure)

Electrophoresis : 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 : 22.03.07

Primer A	pGCAP-F
Primer B	pGCAP-R
Primer C	Poly(A) region
List of Sequencing Primers	<a href="http://dna.brc.riken.jp/en/NRCDhum2e.n.html">http://dna.brc.riken.jp/en/NRCDhum2e.n.html</a>

● Adjust plasmid DNA solution to 25 ng/ul

Date : 22.03.18

DNA ( <u>383</u> ng/ul)	<u>76.0</u> ul
10x TE	<u>116.4</u> ul
dH <sub>2</sub> O	<u>1040.9</u> ul
Total	<u>1164.3</u> ul

● Shipping

Conc. : 25 ng/μl, Volume : 40 μl

Conc. :      ng/μl, Volume :      μl

APPROVED BY :



S/N G:135 A:143 T:69 C:109

Primer A : pGCAP-F

7672\_ARe67B12\_B2Ak\_pGCAP\_F

Jan 20,2022 03:25PM, JST

KB.bcp

KB\_3500\_POP7\_BDTv3.mob

Gray line indicates quality value

Jan 20,2022 03:40PM, JST

KB 1.4.1.8 Cap:11

5' CTCAGTGGATGTTGCCTTTAC 3'

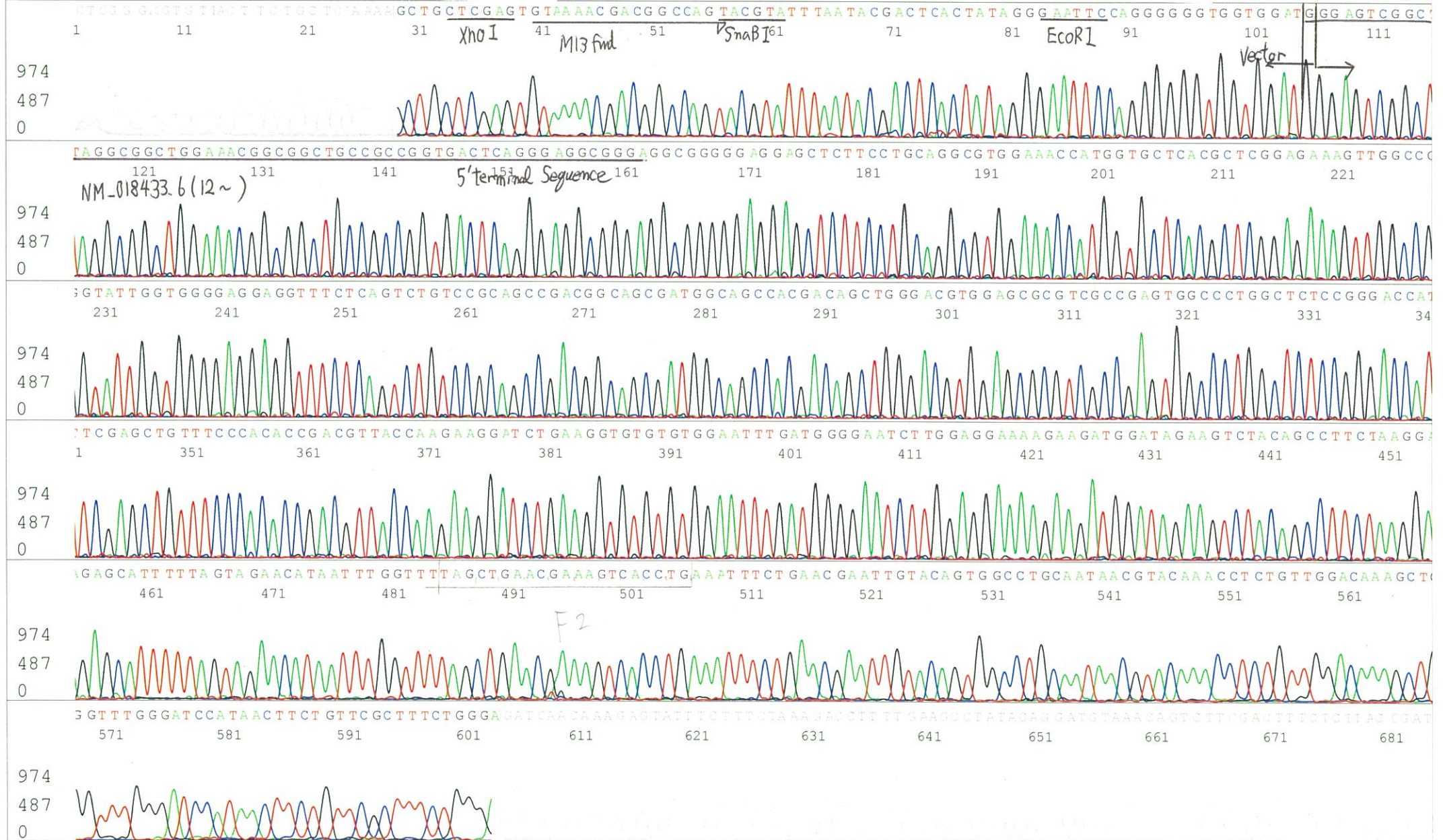
Pts 1674 to 8706 Pk1 Loc:1642

(QV) < 40.

Spacing:10.9 Pts/Panel1350

Version 6.0 HiSQV Bases: 667

Plate Name: 20220120\_mix



S/N G:17 A:17 T:11 C:10

Primer C : Poly(A) region primer #0

7672\_ARe67B12\_B2Ak\_GNPmixture

KB\_3500\_POP7\_BDTv3.mob

Gray line indicates quality value

Jan 21,2022 02:50PM, JST

KB.bcp

Pts 1738 to 8702 Pk1 Loc:1706

(QV) < 40.

Jan 21,2022 03:07PM, JST

KB 1.4.1.8 Cap:2

5' TTTTTTTTTTTTTTTTTTTTTTVNN 3'

Version 6.0 HiSQV Bases: 628

Spacing:10.61 Pts/Panel1350

Plate Name: 20220121\_GNP

