

RIKEN Clone ID : ARe49G12

Vector : pKA1U5

Gene	PPFIA1	
RefSeq_mRNA	NM_177423.3	4051 bp

● **Plasmid DNA purification**

Date : 20.10.21

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

Date : 20.10.22

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● **Digestion by restriction enzyme/Concentration calibration**

Date : 20.10.22

DNA concentration (O.D.): 376 ng/ul

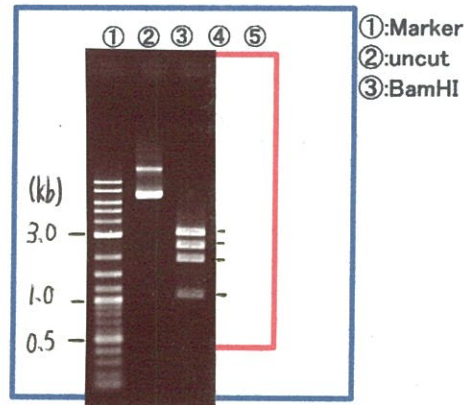
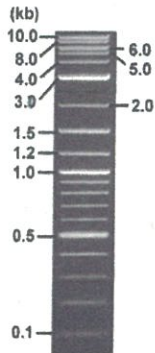
< Size of fragment expected from this clone >

DNA	0.25	ul
Enzyme (BamHI)	1	ul
Buffer H	1	ul
dH ₂ O	7.75	ul
Total	10	ul

BamHI 3.1kb (vector), 2.5, 1.1, 0.7 kb (unsure)

Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



● **Confirmation of the insertion sequence**

Date : 21.01.28

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 : 21.03.30

DNA (<u>376</u> ng/ul)	<u>78.0</u>	ul
10x TE	<u>117.3</u>	ul
dH ₂ O	<u>977.8</u>	ul
Total	1173.1	ul

● **Shipping**

Conc. : 25 ng/ul, Volume : 40 ul

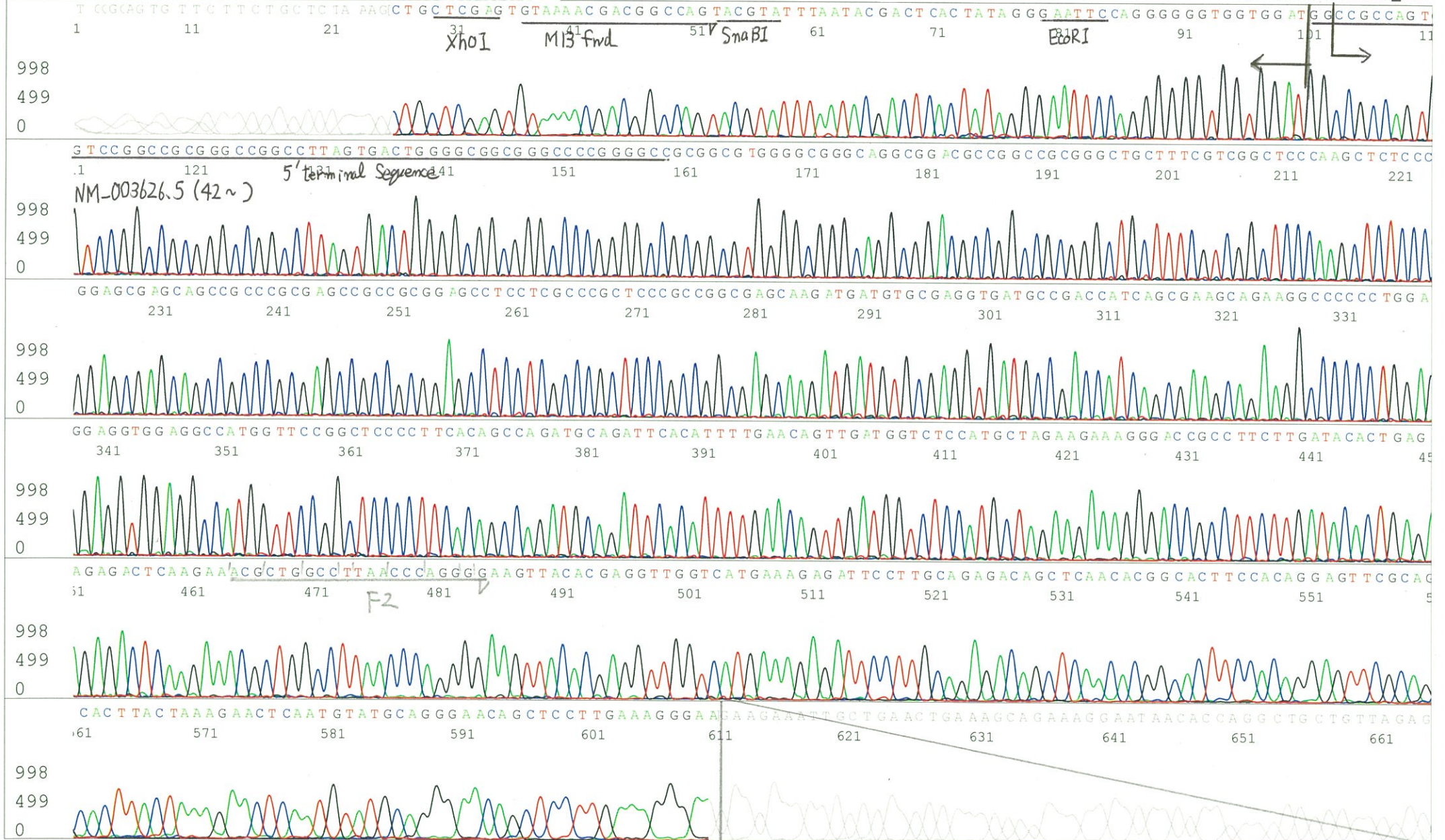
~~Conc. : 25 ng/ul, Volume : 40 ul~~

APPROVED BY :



S/N G:236 A:247 T:113 C:216 Primer A : pGCAP-F
KB.bcp
KB 1.4.1.8 Cap:11 5' CTCAGTGGATGTTGCCTTTAC 3'

Gray line indicates quality value
(QV) < 40.



S/N G:32 A:56 T:42 C:40

7672_ARe49G12_B0JI_pGCAP_R

Oct 23,2020 09:53AM, JST

KB.bcp

Primer B : pGCAP-R

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Oct 23,2020 10:08AM, JST

KB 1.4.1.8 Cap:14

5' GCATTCTAGTTGTGGTTTGTCC 3'

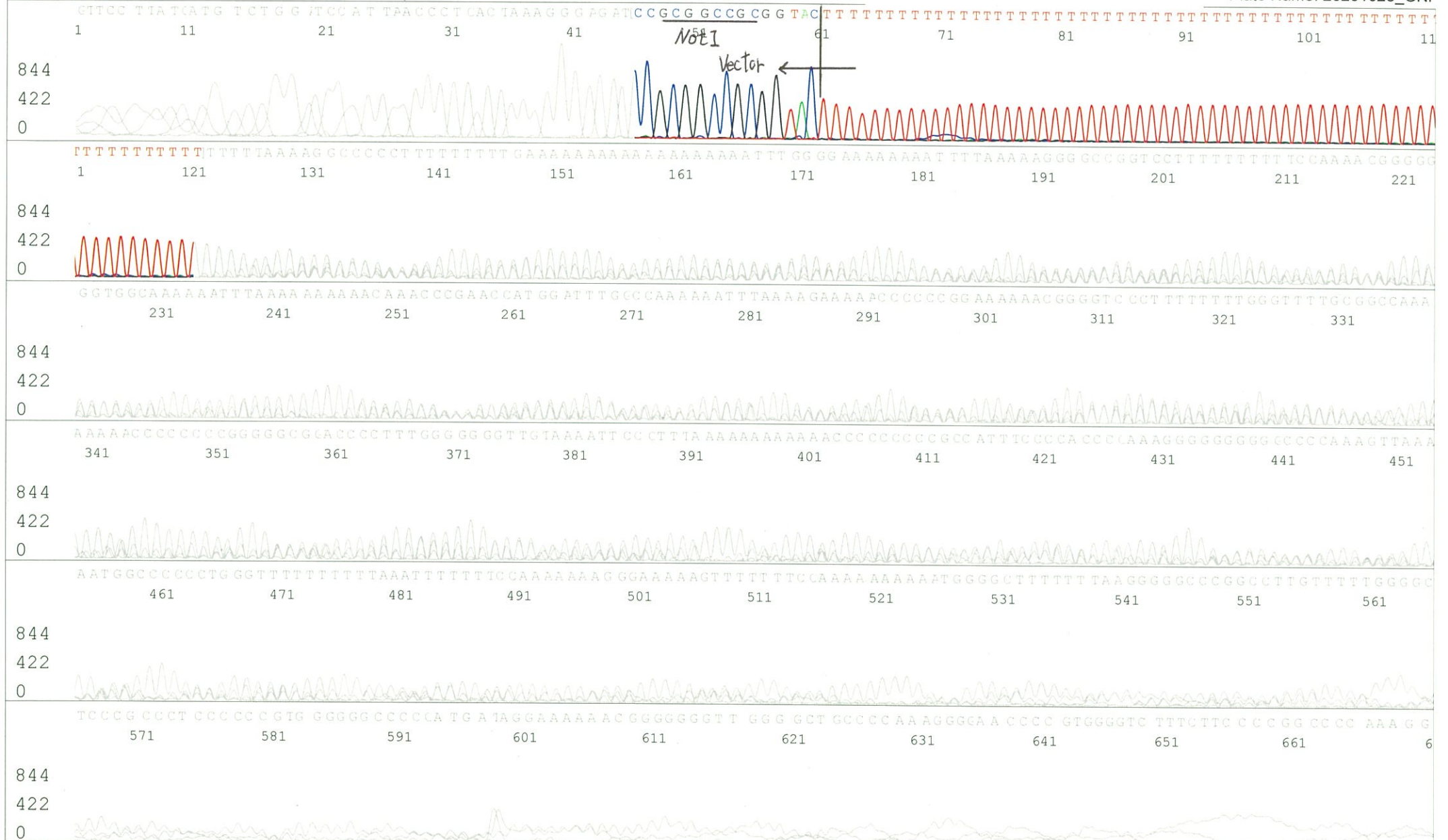
Pts 1769 to 8707 Pk1 Loc:1737

(QV) < 40.

Spacing:10.4 Pts/Panel1350

Version 6.0 HiSQV Bases: 109

Plate Name: 20201023_GNP



S/N G:19 A:23 T:15 C:16

Primer C : Poly(A) region primer #0

7672_ARe49G12_B0JI_GNPmixture

Oct 27,2020 09:55AM, JST

KB.bcp

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Oct 27,2020 10:10AM, JST

KB 1.4.1.8 Cap:3

5' TTTTTTTTTTTTTTTTTTTTNN 3'

Pts 1780 to 8558 Pk1 Loc:1748

(QV) < 40.

Spacing:10.15 Pts/Panel1350

Version 6.0 HiSQV Bases: 640

Plate Name: 20201027_GNP

