

RIKEN Clone ID : ARf05G10

Vector : pKA1U5

JADE3

Gene	PHF16	
RefSeq_mRNA	NM_014735.5	4947 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 -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 21.09.22

DNA concentration (O.D.): 422 ng/ul

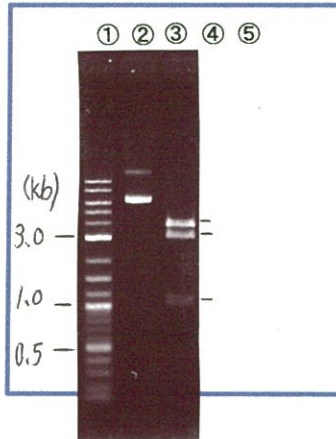
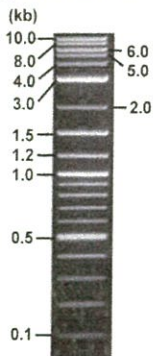
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DNA	<u>0.2</u> ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH ₂ O	<u>7.8</u> ul
Total	10 ul

BamHI 3.1kb (vector), 5.2 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 : 21.12.6

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 : 21.12.7

DNA (<u>422</u> ng/ul)	<u>76.0</u> ul
10x TE	<u>128.2</u> ul
dH ₂ O	<u>1078.6</u> ul
Total	<u>1282.8</u> ul

● Shipping



Conc. : 25 ng/μl, Volume : 40 μl



~~Conc. : ng/μl, Volume : μl~~



APPROVED BY :

S/N G:36 A:48 T:25 C:38

7673_ARf05G10_B1II_pGCAP_F

Sep 24, 2021 09:46AM, JST

KB.bcp

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Sep 24, 2021 10:01AM, JST

KB 1.4.1.8 Cap:6

Primer A : pGCAP-F

Pts 1770 to 8707 Pk1 Loc:1738

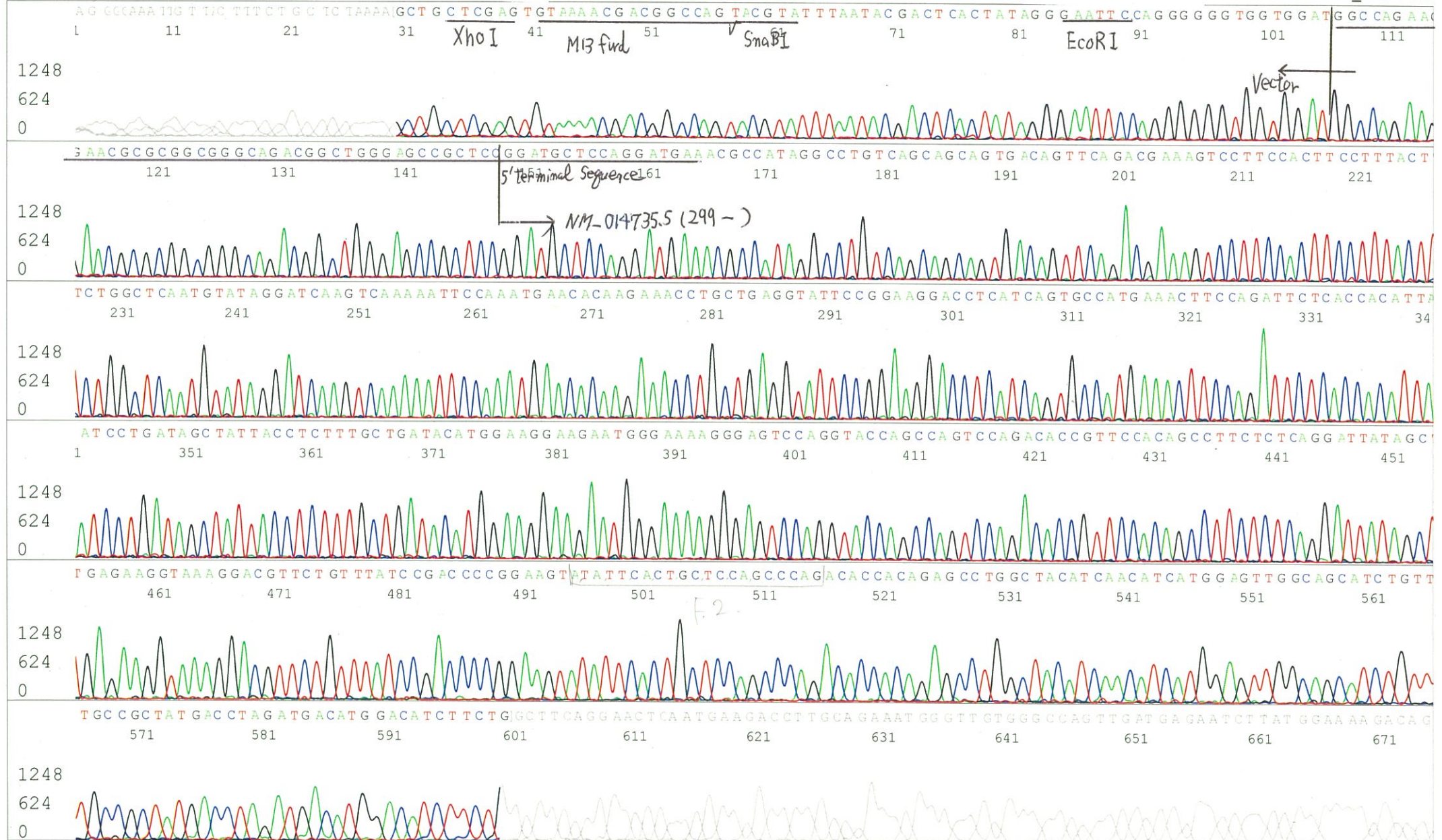
(QV) < 40.

Spacing:10.64 Pts/Panel1350

5' CTCAGTGGATGTTGCCTTTAC 3'

Version 6.0 HiSQV Bases: 679

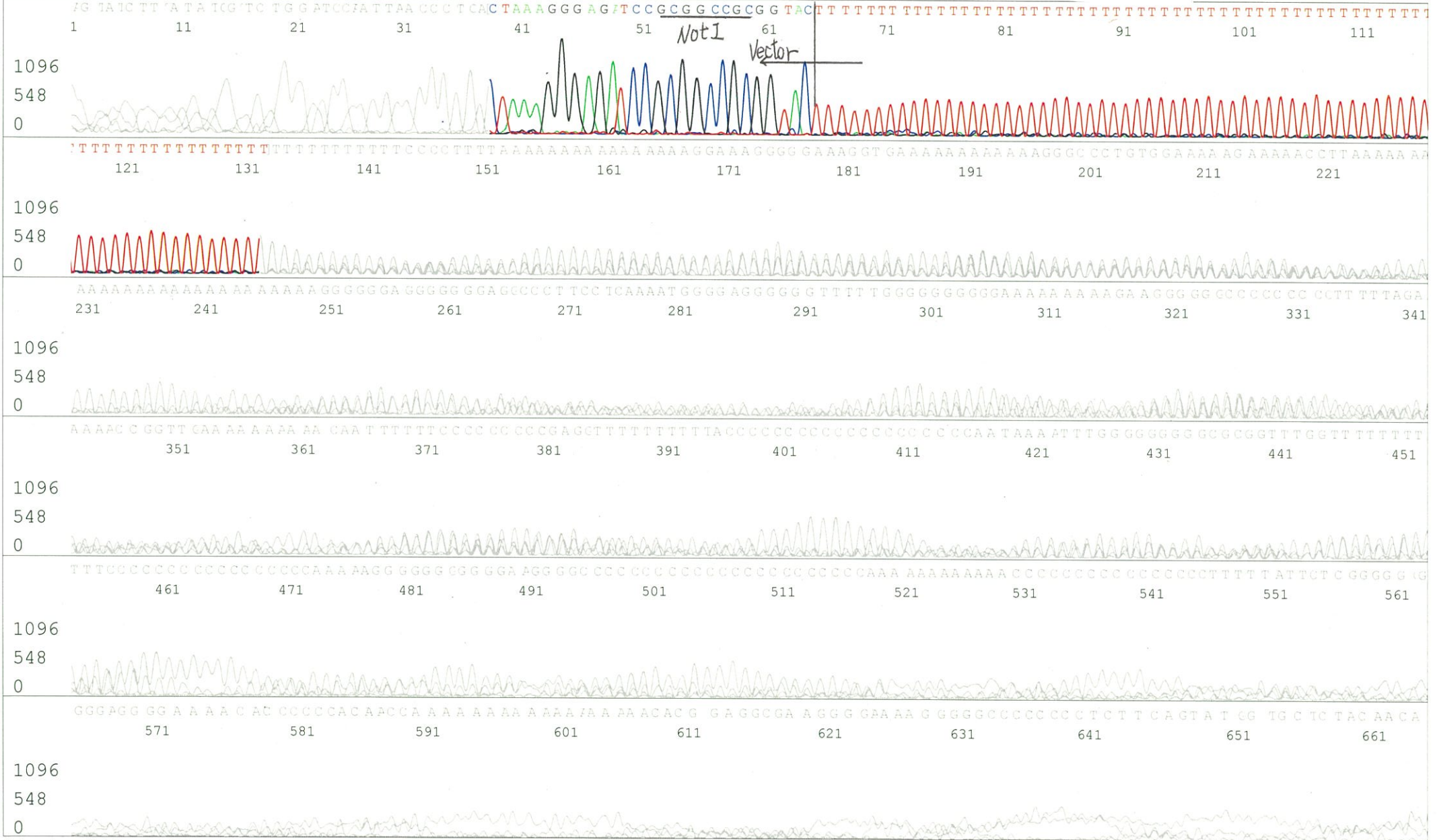
ate Name: 20210924_KatoClone



S/N G:9 A:11 T:9 C:8
KB.bcp
KB 1.4.1.8 Cap:9

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

Gray line indicates quality value
(QV) < 40.



S/N G:21 A:30 T:17 C:19

Primer C : Poly(A) region primer #0

7673_ARf05G10_B1II_GNP Mixture

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Sep 24,2021 09:46AM, JST

KB.bcp

5' TTTTTTTTTTTTTTTTTTTTTTVNN 3'

Pts 1760 to 8707 Pk1 Loc:1728

Version 6.0 HiSQV Bases: 648

(QV) < 40.

Sep 24,2021 10:01AM, JST

Spacing:10.72 Pts/Panel1350

KB 1.4.1.8 Cap:12

Site Name: 20210924_KatoClone

