

RIKEN Clone ID : IRAK049O15

Lot#: 7893_A7Jd

Vector : pCMV-SPORT6

Gene	PADI4	
Accession No.	BC025718.1	2313 bp
	<i>GDS</i>	1992 bp

● Plasmid DNA purification

Date : 171016

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

Date : 171017

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 171017

DNA concentration (O.D.): 151 ng/ul

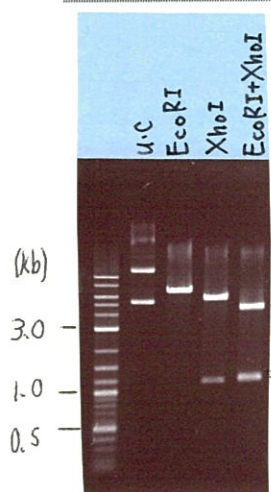
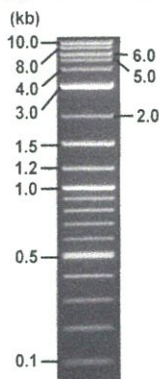
< Size of fragment expected from this clone >

DNA	0.6 ul
Enzyme (EcoRI + XhoI)	0.5 + 0.5 ul
Buffer H	1 ul
dH ₂ O	7.4 ul
Total	10 ul

EcoRI	6.6 kb
XhoI	5.5, 1.1 kb
EcoRI + XhoI	4.3kb (Vector) 1.2, 1.1 kb

Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



● Adjust plasmid DNA solution to 25 ng/ul

Date : 171019

DNA (<u>151</u> ng/ul)	78.0 ul
10x TE	47.1 ul
dH ₂ O	346.0 ul
Total	471.1 ul

● Confirmation of the insertion sequence

Date : 171018

Primer A	Reverse2
Primer B	M13
Primer C	poly(A) region primer #0
List of Sequencing Primers	http://dna.brc.riken.jp/en/GNPclone3en.html

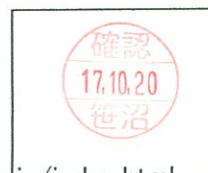
● Shipping

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

Conc. : ng/ul, Volume : ul

APPROVED BY :

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



S/N G:524 A:630 T:414 C:627 Primer A : Reverse2

IRAK049015_A7Jd_Reverse2

Oct 18,2017 10:09AM, JST

KB.bcp

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Oct 18,2017 10:23AM, JST

KB 1.4.1.8 Cap:18

5' GCGGATAACAATTTTCACACAGG 3'

Pts 1763 to 8706 Pk1 Loc:1731

(QV) < 40.

Spacing:10.43 Pts/Panel1350

Plate Name: 20171018_GNP



S/N G:276 A:292 T:269 C:313

IRAK049O15_A7Jd_M13(-40)

Oct 18,2017 10:09AM, JST

KB.bcp

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Oct 18,2017 10:23AM, JST

KB 1.4.1.8 Cap:21

Primer B : M13

Pts 1747 to 8706 Pk1 Loc:1715

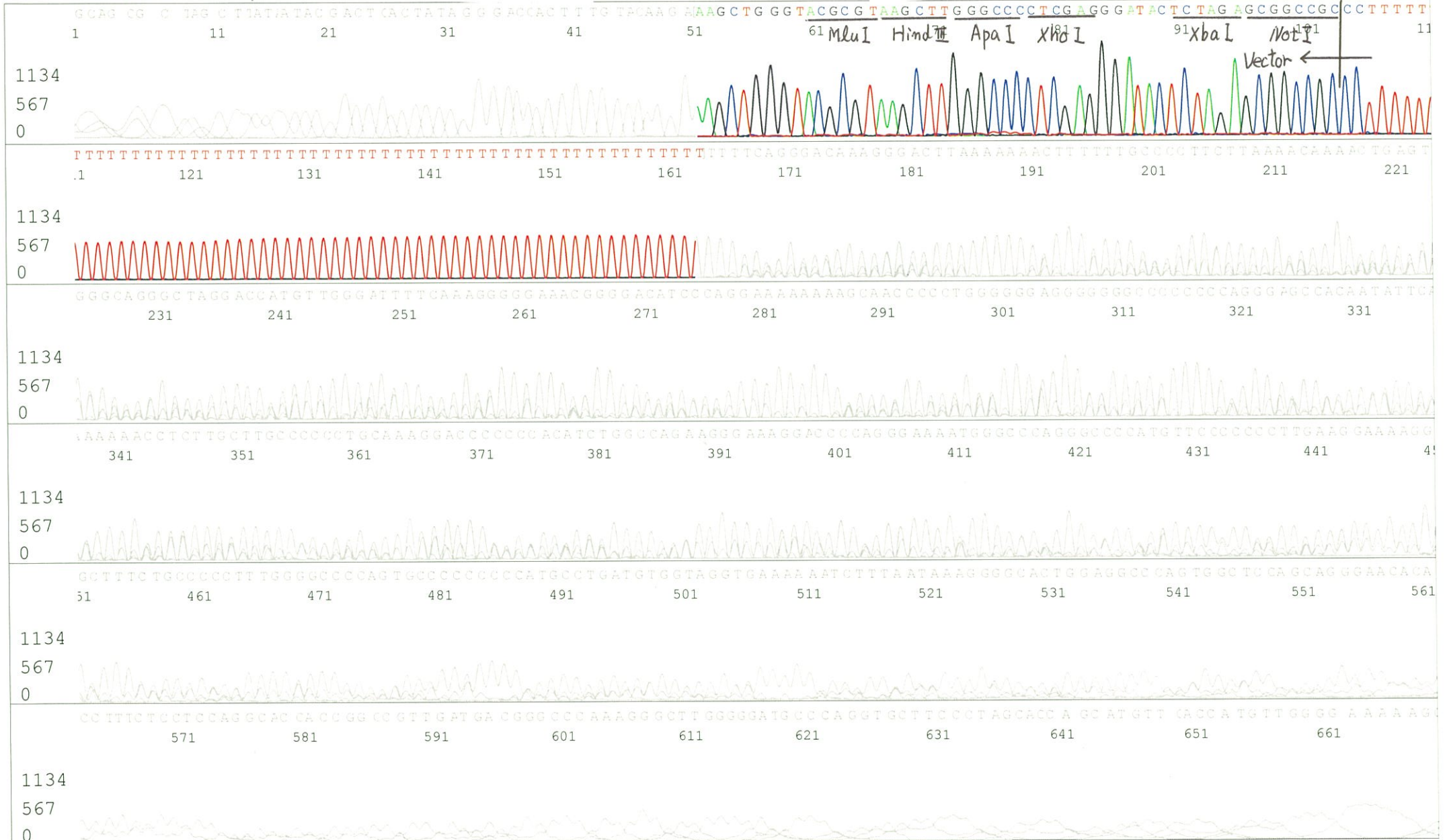
Spacing:10.59 Pts/Panel1350

5' GTTTTCCCAGTCACGACGTTGTA 3'

Version 6.0 HiSQV Bases: 333

(QV) < 40.

Plate Name: 20171018_GNP



S/N G:181 A:157 T:113 C:173 Primer C : Poly(A) region primer #0
KB.bcp
KB 1.4.1.8 Cap:24 5' TTTTTTTTTTTTTTTTTTTTNNN 3'

IRAK049015_A7Jd_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1786 to 8706 Pk1 Loc:1754
Version 6.0 HiSQV Bases: 709

Gray line indicates quality value
(QV) < 40.

Oct 18,2017 10:09AM, JST
Oct 18,2017 10:23AM, JST
Spacing:10.46 Pts/Panel1350
Plate Name: 20171018_GNP

