

RIKEN Clone ID : IRAL008K09

Lot#: 7566_B0H6

Vector : pOTB7

Gene	HSF1	
Accession No.	BC014638.1	2186 bp
	<i>CDS</i>	1590 bp

● Plasmid DNA purification

Date : 2020.08.06

Culture : LB (25 ug/ml Chloramphenicol) 5 ml → at 37 deg C over night

Date : 2020.08.07

Purification : QIAGEN Miniprep kit → dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 2020.08.07

DNA concentration (O.D.): 251 ng/ul

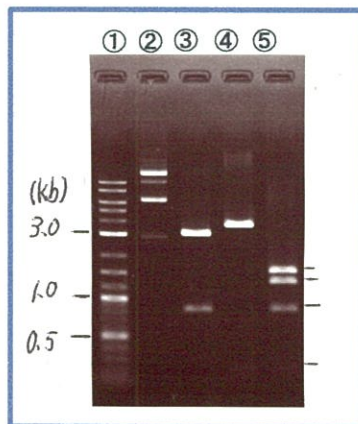
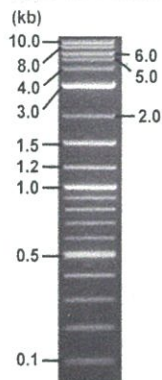
< Size of fragment expected from this clone >

DNA	0.4	ul
Enzyme (BamHI + BglII)	0.5 + 0.5	ul
Buffer H	1	ul
dH ₂ O	7.6	ul
Total	10	ul

BamHI	3.2 , 0.8	kb
BglII	3.8, 0.2	kb
BamHI + BglII	1.6kb (Vector)	1.4, 0.8, 0.2 kb

Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



- ①:Marker
- ②:uncut
- ③:BamHI
- ④:BglII
- ⑤:BamHI + BglII

● Adjust plasmid DNA solution to 25 ng/ul

Date : 2020.8.21

DNA (251 ng/ul)	82.0	ul
10x TE	82.3	ul
dH ₂ O	658.9	ul
Total	823.2	ul

● Confirmation of the insertion sequence

Date : 2020.08.14

Primer A	pOTB7_F
Primer B	pOTB7_R
Primer C : Poly(A) region primer #45	
List of Sequencing Primers	http://dna.brc.riken.jp/en/GNPclone3en.html

● Shipping

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

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APPROVED BY :

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



S/N G:317 A:166 T:164 C:373

Primer A: pOTB7-F

7566_IRAL008K09_B0H6_pOTB7_F

Aug 12,2020 11:08AM, JST

KB.bcp

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Aug 12,2020 11:26AM, JST

KB 1.4.1.8 Cap:1

5' AACGCGGCTACAATTAATACATAACC 3'

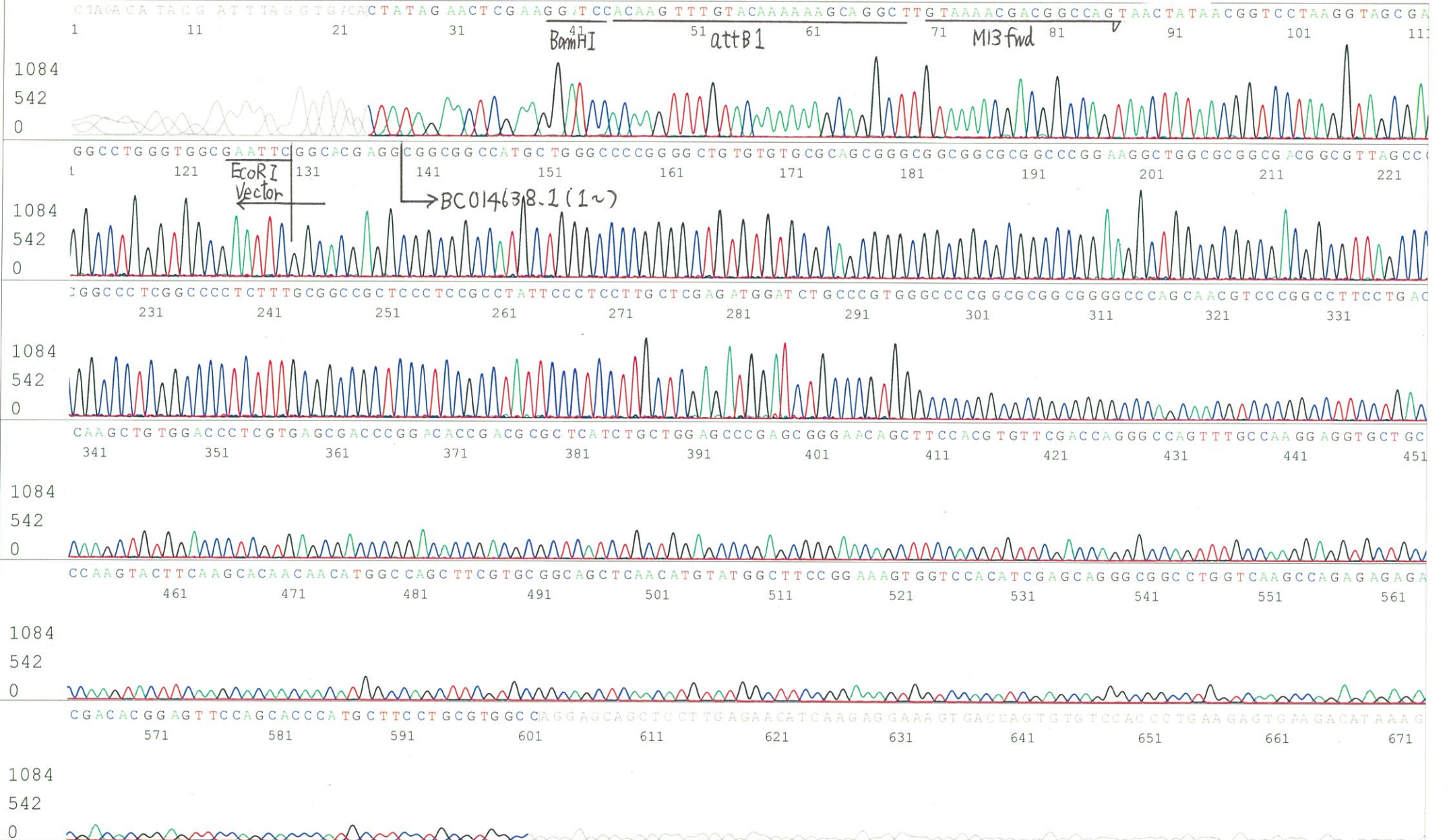
Pts 1842 to 8705 Pk1 Loc:1810

(QV) < 40.

Spacing:10.83 Pts/Panel1350

Version 6.0 HISQV Bases: 679

Plate Name: 20200812_GNP



S/N G:148 A:127 T:164 C:163

Primer B: pOTB7-R

7566_IRAL008K09_B0H6_pOTB7_R

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Aug 12,2020 11:08AM, JST

KB.bcp

Pts 1790 to 8705 Pk1 Loc:1758

Aug 12,2020 11:26AM, JST

KB 1.4.1.8 Cap:4

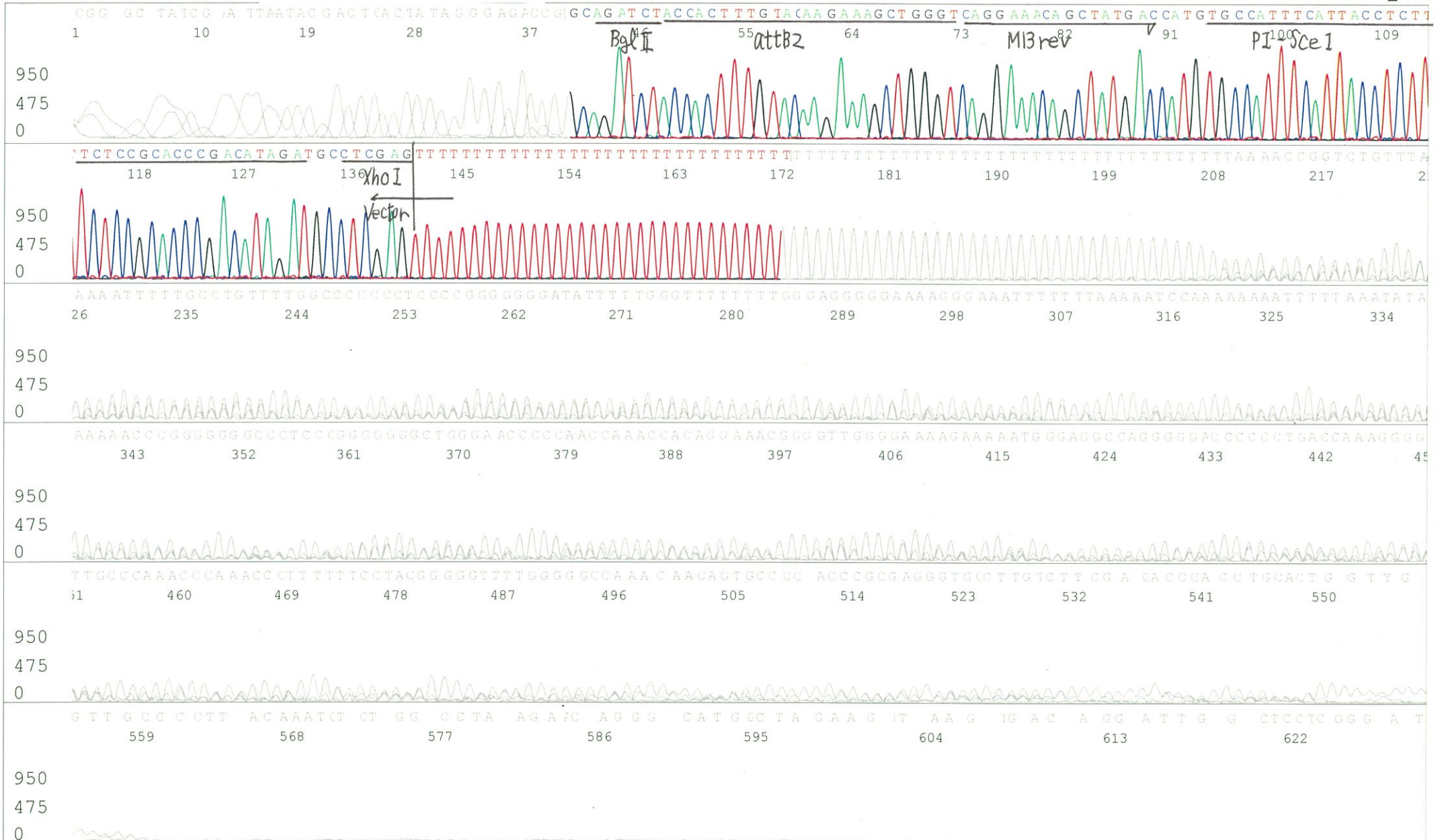
5' GTACTGCAGCCGATTCATTAATGC 3'

Version 6.0 HiSQV Bases: 184

(QV) < 40.

Spacing:11.08 Pts/Panel1350

Plate Name: 20200812_GNP



S/N G:135 A:89 T:46 C:81

Primer C : Poly(A) region primer #45

7566_IRAL008K09_B0H6_GNP45

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Aug 14,2020 01:24PM, JST

KB.bcp

Pts 1748 to 8703 Pk1 Loc:1716

Aug 14,2020 01:49PM, JST

KB 1.4.1.8 Cap:1

5' TTTTTTTTTTTTTTTTTTTTTT AGA 3'

Version 6.0 HiSQV Bases: 692

(QV) < 40.

Spacing:10.73 Pts/Panel1350

Plate Name: 20200814_GNP

