



**RIKEN DNA BANK**

**B95. delta A delta fabR**

- Clone ID : RDB\_13712
- Lot : 17938\_B0Cg
- Form : Recombinant in Stab agar
- Culture : LB medium
- Antibiotics : Free
- Primers
 

Primer A ( Pr0305 )	prfAnoATG	Primer F ( Pr0356 )	B95.delta_fabR#2
Primer B ( Pr0306 )	prfATAARev	Primer G ( Pr0359 )	B95.delta_fabR#3
Primer C ( Pr0353 )	B95.delta_prfA#1	Primer H ( Pr0360 )	B95.delta_fabR#4
Primer D ( Pr0354 )	B95.delta_prfA#2	Primer I ( Pr0361 )	B95.delta_fabR#5
Primer E ( Pr0355 )	B95.delta_fabR#1	Primer J ( Pr0362 )	B95.delta_fabR#6

\* Refer the URL ( [https://dna.brc.riken.jp/en/supp\\_primer](https://dna.brc.riken.jp/en/supp_primer) ) for details on primer sequences

● **PCR Amplification**

< Condition >

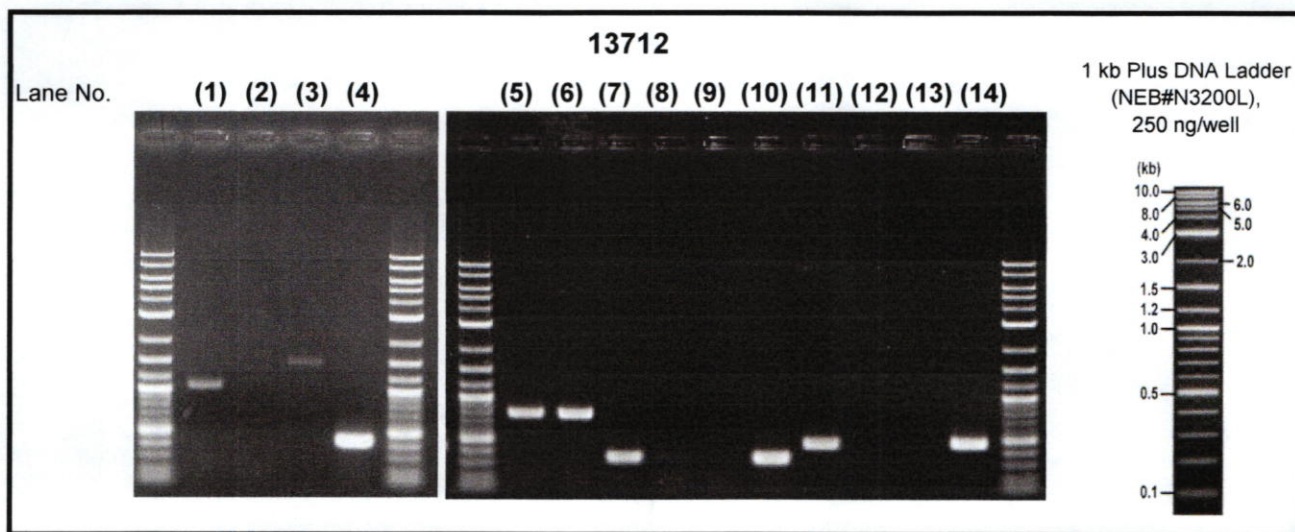
Templete : genomic DNA, 1 uL  
 Enzyme : AmpliTaq Gold® 360 DNA Polymerase ( ThermoFisher )  
 Total volume : 10 uL

< Reaction program >

96 deg C , 2 min  
 [ 96 deg C , 15 sec  
 55 deg C , 15 sec  
 72 deg C , 3 min ] × 30 cycles  
 72 deg C , 5 min  
 4 deg C , ∞

< Electrophoresis >

2 uL of PCR products per lane ; 1% agarose gel, 1 × TAE buffer



< Lane number and size of fragment >

Primer		delta prfA confirmation		delta fabR confirmation
		Primer A and B	Primer C and D	Primer E and F
host	BL21(DE3)*	(1), 1.1 kb	(3), 1.5 kb	(5), 0.79 kb
	RDB13712	(2), No band	(4), 0.46 kb	(6), 0.79 kb

Primer		delta fabR confirmation			
		Primer E and I	Primer E and J	Primer F and G	Primer F and H
host	BL21(DE3)*	(7), 0.35 kb	(9), No band	(11), 0.48 kb	(13), No band
	RDB13712	(8), No band	(10), 0.35 kb	(12), No band	(14), 0.48 kb

\* used as a control.

● **Confirmation of the deletion site by sequencing**

Sequence Primer	PCR products as a template ( Lane number )
Primer C	(4)
Primer F	(6)

APPROVED BY :

