

PCR protocol

RBRC 04951

Strain name B6;B6CB-FstI5<tm1Ngo>

Primer	primer_name	primer_seq	length	
1	mMahya-1 Wt	GGACCAAGTCGTCTGTCTGC	20	Depositor's primer
2	mMahya-1 Rev	CACCAGTGGTTGTGAGCTGC	20	Depositor's primer
3	NEO-FW	GTACTCGGATGGAAGCCGGTCTTGTC	26	Depositor's primer

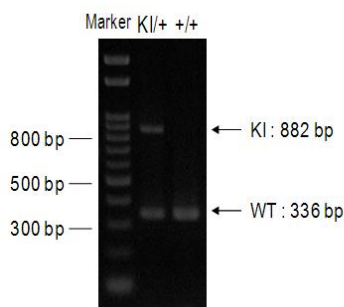
Reaction Components

Enzyme	TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)
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Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.9			
PCR buffer	2 X GC II	10.0			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA	10 pmol/ μ l	1.0			
Taq	5U/ μ l	0.1			
total		20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	63	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	



Marker

Gene Ladder 100 (Wako, Cat. 316-06951)

Gel

2% agarose in 1 X TAE (100 V, 30 min)

PCR products

primer_set	product_size	product
primer 1	336 bp	WT
primer 3	882 bp	KI

Comment