

PCR protocol

RBRC 03928

Strain name B6.B6CB-Psmb11 <tm1 Smta>

Primer	primer_name	primer_seq	length	
1	b5t 5' UTR S	ATCCCTCACCAGCCAATTCCAAAGCC	26	Depositor's primer
2	b5t CDS AS	TGGTGCACAGGAATGACCTTCCGT	24	Depositor's primer
3	Venus AS	AGGACCATGTGATCGCGCTTCTCGTT	26	Depositor's primer

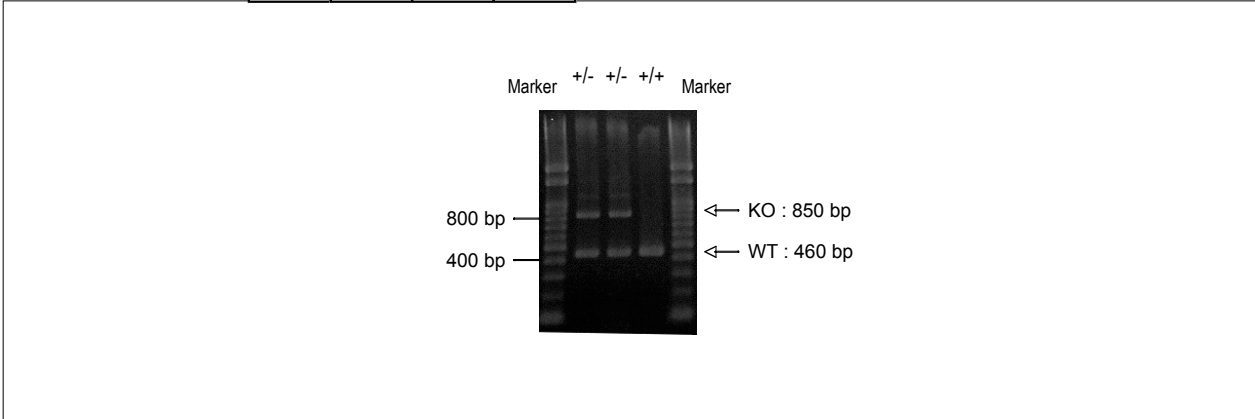
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		12.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
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		1.0			
Taq	5U/ μ l	0.1			
total		20			

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	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	primer 2	460 bp	WT
primer 1	primer 3	850 bp	KO

Comment