

PCR protocol

RBRC 02951

Strain name B6;129-Cacnb3<tm1Acv>

Primer	primer_name	primer_seq	length	
1	GT-2	TCGGTTGCCAATGTCACCCAG	21	Depositor's primer
2	GT-1	AGCACAAACCTGTGGCATTG	21	Depositor's primer

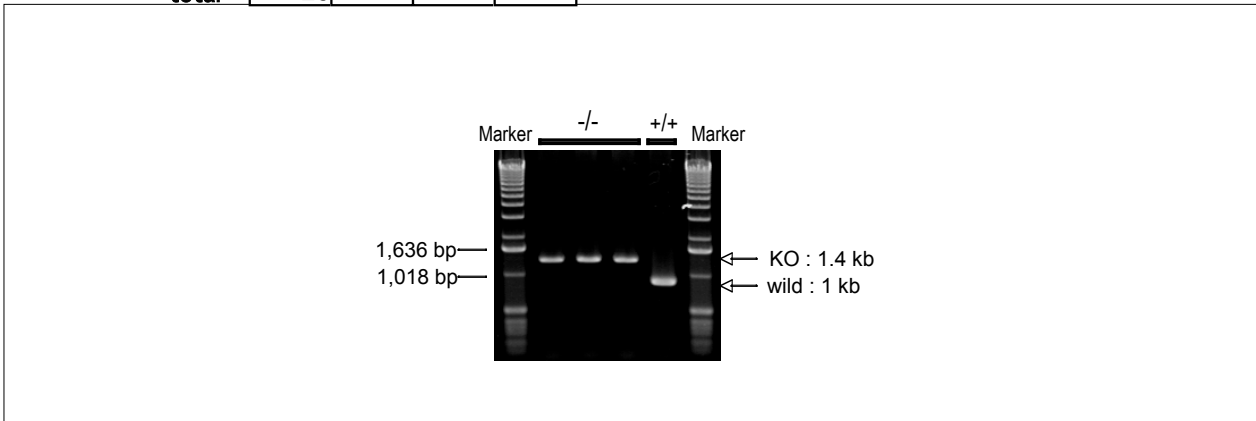
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		17.3			
PCR buffer	10 X	2.5			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
DNA		1.0			
Taq		0.2			
total		25			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	90*	*Repeat for 30 cycles
5	72	300	


Marker
1 kb DNA ladder (Invitrogen, Cat. 15615-024)
Gel
1% agarose in 1 X TAE (100 V, 30 min)
PCR products

primer_set		product_size	product
primer 1	primer 2	1.0 kb	WT
primer 1	primer 2	1.4 kb	KO

Comment