RIKEN BRC

Sep. 5, 2006

BRC_No 00361 **Strain name** C57BL/6-TgH(p38)/118

Primer

	primer_name	primer_seq	length	
1	LCB585 (P38-Neo)	TTCAGTGACAACGTCGAGCACAGCTG	26	neo
2	LCB584 (P38-cont)	CCCTATACTCCCTCTCTGTGTAACTTTTG	29	p38
3	LCB583 (P38-tail)	CCCAAACCCCAGAAAGAAATGATG	24	p38

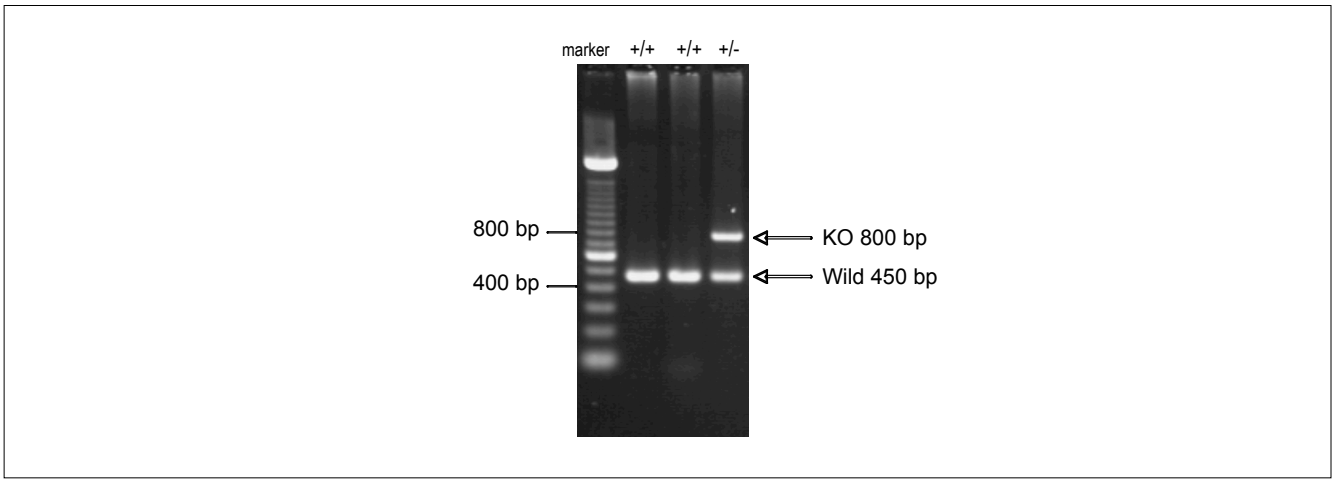
Reaction Components

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

	Conc	Run 1	Run 2	Run 3
H2O		3.8		
PCR buffer	2 X	10.0		
dNTP	10 mM	2.0		
primer 1	10 pmol/μl	1.0		
primer 2	10 pmol/μl	1.0		
primer 3	10 pmol/μl	1.0		
DNA		1.0		
Taq		0.2		
	total	20		

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	300	
2	94	30	*
3	58	30	*
4	72	120	* *Repeat for 30 cycles
5	72	300	



Marker

1 kb plus DNA ladder (Invitrogen, Cat. 10787-026)

Gel

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

PCR products

primer_set		product_size	product
primer 2	primer 3	450 bp	wild
primer 1	primer 3	800 bp	KO

Comment