

BRC\_No 00984 Strain name Nrf2 knock out mouse (ICR background)

Primer			
	primer_name	primer_seq	length
1	Nrf2-5'	TggACgggACTATTgAAggCTg	22
2	Nrf2-LacZ	gCggATTgACCgTAATgggATAgg	24 lacZ
3	N AS	gCCgCCTTTTCAgTAgATggAgg	23

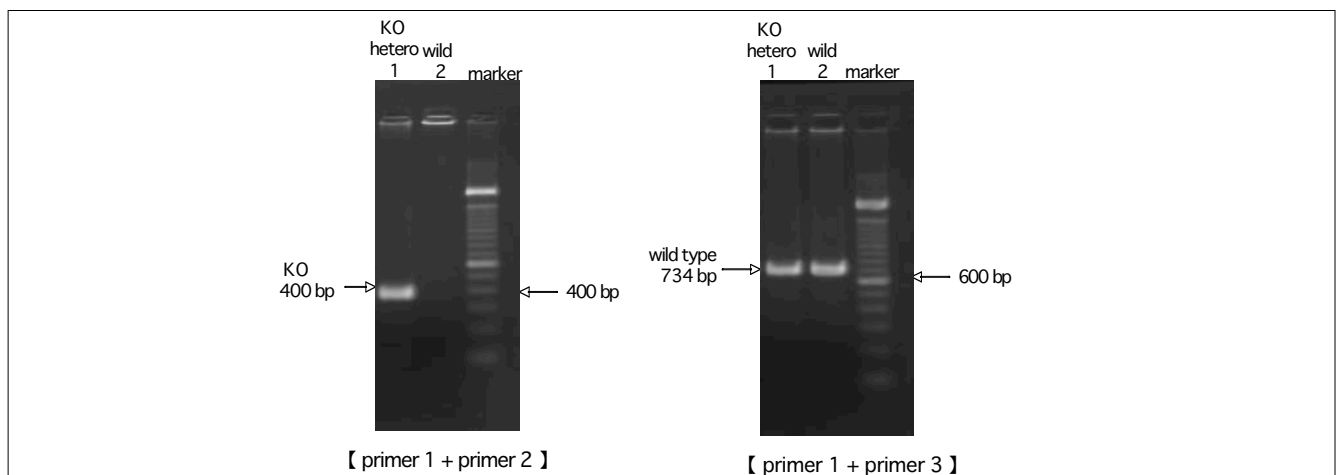
Reaction Components

Enzyme TaKaRa Ex Taq

	Conc	Run 1	Run 2	Run 3
H2O		17.3	17.3	
PCR buffer	10 X	2.5	2.5	
dNTP	2.5 mM	2.0	2.0	
primer 1	10 pmol/ $\mu$ l	1.0	1.0	
primer 2	10 pmol/ $\mu$ l	1.0	0	
primer 3	10 pmol/ $\mu$ l	0	1.0	
DNA		1.0	1.0	
Taq		0.2	0.2	
total		25	25	

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	300	
2	94	30*	
3	60	30*	
4	72	60*	*Repeat for 35 cycles
5	72	300	



Marker

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

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

PCR products

primer_set	product_size	product
primer 1 primer 2	400 bp	KO
primer 1 primer 3	734 bp	wild

Comment