

PCR protocol

RBRC 02414

Strain name A/J.Cg-Nfe2l2<tm1 Mym>

Primer	primer_name	primer_seq	length
1	NRF2-5'	TggACgggACTATTgAAggCTg	22
2	Nrf2-AS	gCCgCCTTTTCAGTAgATggAgg	23
3	lac Z	gCggATTgACCGTAATgggATAgg	24

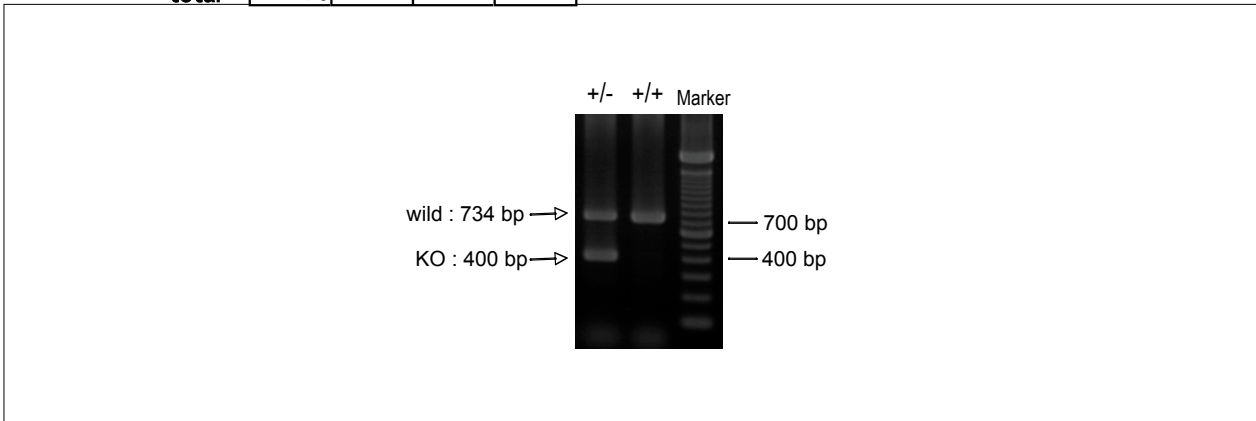
Reaction Components

Enzyme QIAGEN Multiplex PCR Kit (Cat. No. 206143)

Reaction Conditions

Conc	Run 1	Run 2	Run 3	Run 4
H2O	1.0			
primer 1	10 pmol/ μ l	1.0		
primer 2	10 pmol/ μ l	1.0		
primer 3	10 pmol/ μ l	1.0		
Master Mix	2 X	5.0		
DNA		1.0		
total	10			

step	temp (°C)	time (sec)	note
1	94	900	
2	94	30*	
3	60	90*	
4	72	90*	*Repeat for 30 cycles
5	72	600	



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	734 bp	wild
primer 1 primer 3	400 bp	KO

Comment