

# PCR protocol

RBRC 02190

Strain name C.129P2-Nfe2l2&lt;tm1Mym&gt;

Primer	primer_name	primer_seq	length
1	Nrf2-5'	TGGACGGACTATTGAAGGCTG	21
2	lac Z	gCggATTgACCGTAATgggATAgg	24 <small>lacZ</small>
3	Nrf2-AS	gCCgCCTTTTCAGTAgATggAgg	23

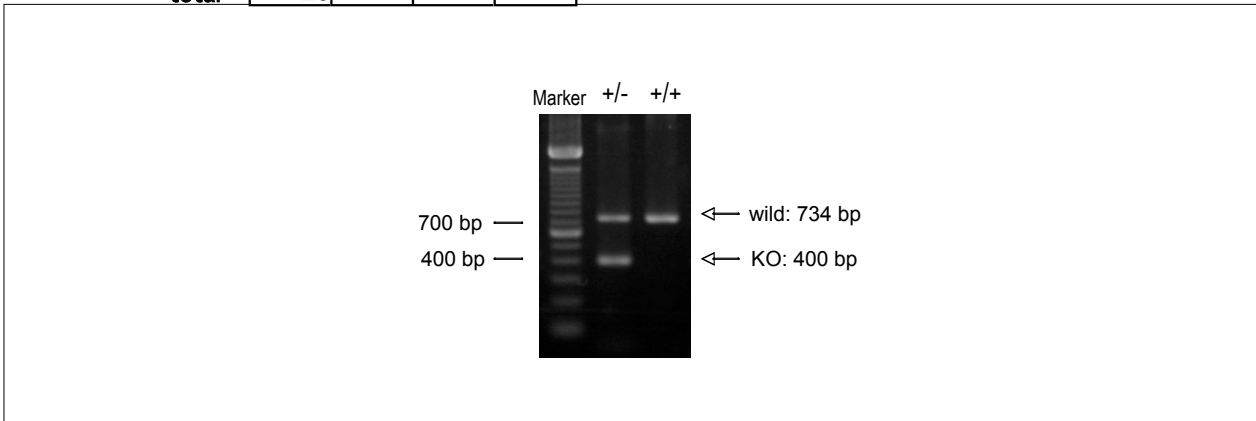
## Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

## Reaction Conditions

Conc	Run 1	Run 2	Run 3	Run 4
H2O	16.3			
PCR buffer	2.5			
dNTP	2.0			
primer 1	1.0			
primer 2	1.0			
primer 3	1.0			
DNA	1.0			
Taq	0.2			
total	25			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	57	30*	
4	72	60*	*Repeat for 30 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 3	734 bp	wild
primer 1 primer 2	400 bp	KO

## Comment