

# PCR protocol

RBRC 02343

Strain name B6.129P2-Nf2&lt;tm2Gth&gt;

Primer	primer_name	primer_seq	length
1	P4	cttcccagacaagcagggttc	21
2	P5	gaaggcagcttccttaagtc	20

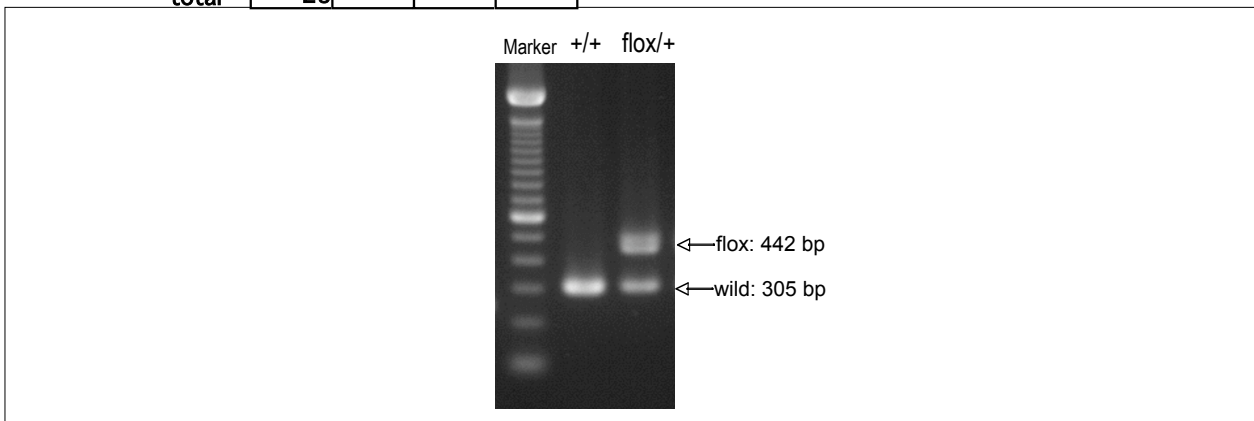
**Reaction Components**

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

**Reaction Conditions**

Conc	Run 1	Run 2	Run 3	Run 4
H2O	17.3			
PCR buffer	2.5			
dNTP	2.0			
primer 1	1.0			
primer 2	1.0			
DNA	1.0			
Taq	0.2			
<b>total</b>	<b>25</b>			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	55	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 2	305 bp	wild
primer 1 primer 2	442 bp	flox

**Comment**