

# PCR protocol

RBRC 02218

Strain name B6;129-Bnip1&lt;tm1.1&gt;

Primer	primer_name	primer_seq	length		
1	BNIP1 geo F	AAGGGCTTTGTACATACGAGGCAAG	25	chr.17	Depositor's primer
2	BNIP1 WT R	CAGTCAGTGTGGCTAAAGATGTGTG	25	Chr.17	Depositor's primer

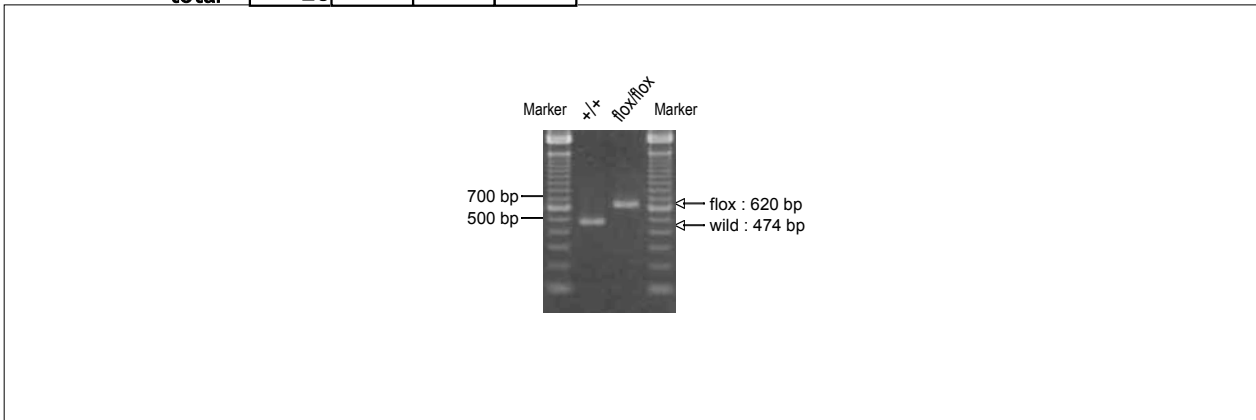
**Reaction Components**

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

**Reaction Conditions**

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		17.3			
PCR buffer	10 X	2.5			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	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	60	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_1	primer_2	product_size	product
primer 1	primer 2	474 bp	WT
primer 1	primer 2	620 bp	flox

**Comment**