

# PCR protocol

RBRC 04020

Strain name B6.129-Dnase2a&lt;tm2Osa&gt;

Primer	primer_name	primer_seq	length	
1	04020	GAACCAACATGTCTCCATGAGCC	24	RIKEN BRC
2	DNase II-antisense primer	GAGTCTTAGTCCTTTGCTCCG	21	Depositor's primer

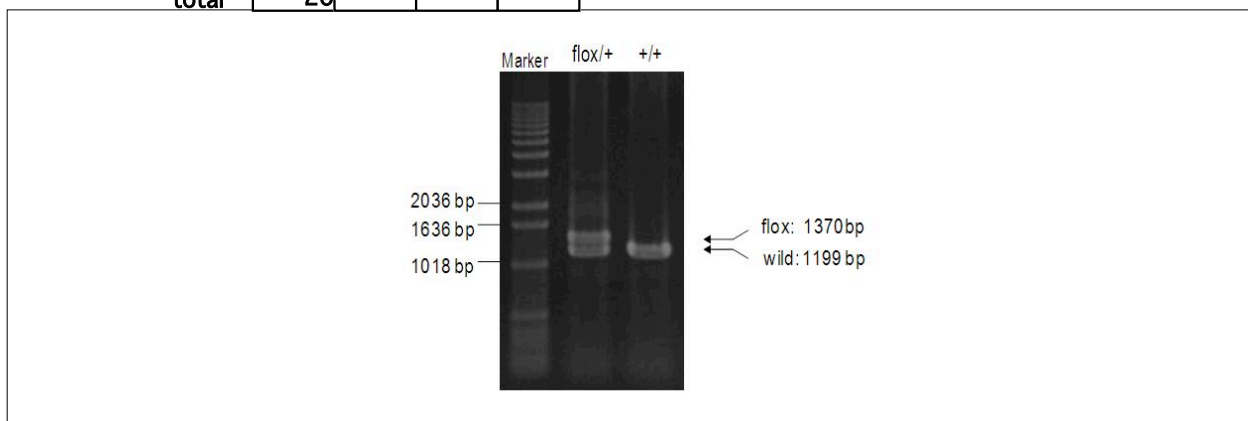
## Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

## Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		13.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq	5U/ $\mu$ l	0.1			
<b>total</b>		<b>20</b>			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	55	30*	
4	72	90*	*Repeat for 30 cycles
5	72	300	



## Marker

1 kb DNA ladder (Invitrogen, Cat. 15615-024)

## Gel

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

## PCR products

primer_set	product_size	product
primer 1 primer 2	1370 bp	flox
primer 1 primer 2	1199 bp	WT

Comment