

# PCR protocol

RBRC 02326

Strain name B6;129S4-Ecat8&lt;tm1Yam&gt;

Primer	primer_name	primer_seq	length
1	m77010/gu17547	ACTGTTGCTAATGGGAGCTACTGT	24
2	m77010/gL18297	GGGCAGTATCTTTCTGAGTCATA	25
3	bgeo-screening AS6	GCGGAATTCTCTAGAGTCCAGATC	24

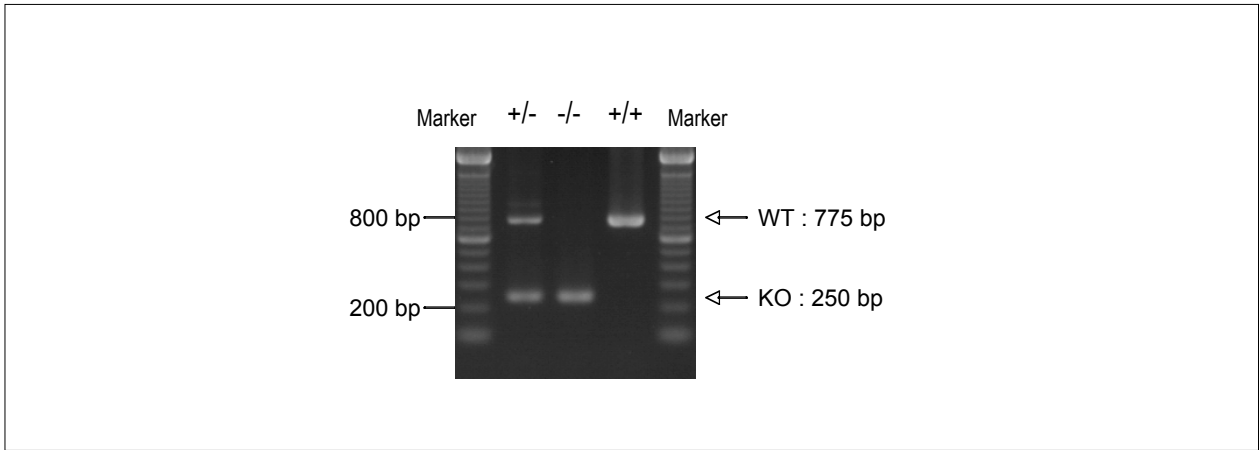
**Reaction Components**

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

**Reaction Conditions**

	Conc	Run 1	Run 2	Run 3
H2O		16.3		
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		
primer 3	10 pmol/μl	1.0		
DNA		1.0		
Taq		0.2		
total		25		

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		product_size	product
primer_set			
primer 1	primer 2	775 bp	wild
primer 1	primer 3	250 bp	KO

Comment