



RBRC 02711

Strain name B6.129S-Osmr<tm1Mtan>

Primer	primer_name	primer_seq	length	
1	Typing FW	GTAATCAGACCAATGGCTTTCTC	23	Depositor's primer
2	Typing RV	GATCCAACAGAGCAATCATGAAGC	24	Depositor's primer
3	LACZ rv-1	GCACATCTGAACTTCAGC	18	Depositor's primer

**Reaction Components**

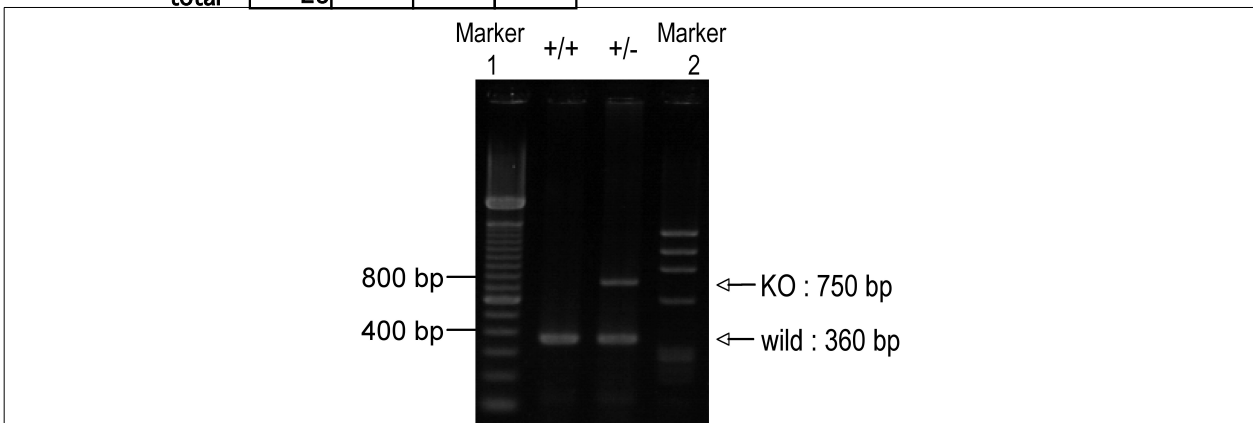
Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

**Reaction Conditions**

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		16.3			
PCR buffer	10 X	2.5			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
primer 3	10 pmol/ $\mu$ l	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	180	

Standard PCR



**Marker**  
 marker 1: 100 bp ladder (Invitrogen, Cat. 15628-050), marker 2:  $\phi$ X174 Hae III

**Gel**  
 2% agarose in 1 X TAE (100 V, 35 min)

PCR products		product_size	product
primer 1	primer 3	750 bp	KO
primer 1	primer 2	360 bp	WT

Comment