

RBRC 03941

Strain name C57BL/6N-Sqstm1 <tm2(GFP)Keta>/Rbrc

Primer	primer_name	primer_seq	length	
1	intron 1	CACATGACATATGTTCTGCCTTCTGC	26	RIKEN BRC
2	intron 2	AGGCATCACAACCTCCGACTCCTGA	24	RIKEN BRC
3	oIMR1416	TCCTTGAAGAAGATGGTGCC	20	JAX Genotyping Protocol

### Reaction Components

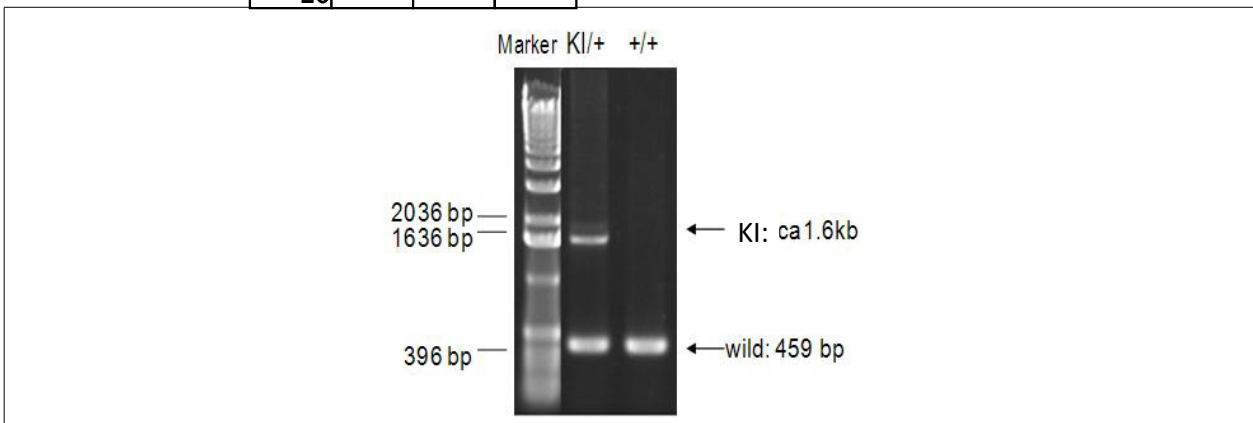
Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

### Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.9			
PCR buffer	10 X	10.0			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ $\mu$ l	1.5			
primer 2	10 pmol/ $\mu$ l	1.0			
primer 3	10 pmol/ $\mu$ l	2.5			
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	60	30*	
4	72	120*	*Repeat for 30 cycles
5	72	300	

### Standard PCR



### 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	459 bp	WT
primer 1	primer 3	ca 1.6 bp	KI

### Comment