

# PCR protocol

RBRC 02685

Strain name B6CBA-Tnxb&lt;tm1Kmat&gt;

Primer	primer_name	primer_seq	length	
1	rGT-KpnI	AAGCACATGCAGCAGAGTGGGGTC	24	Depositor's primer
2	rGT-AflIII	GTGCCAGCTTGGGCCGAGTGGGAC	25	Depositor's primer

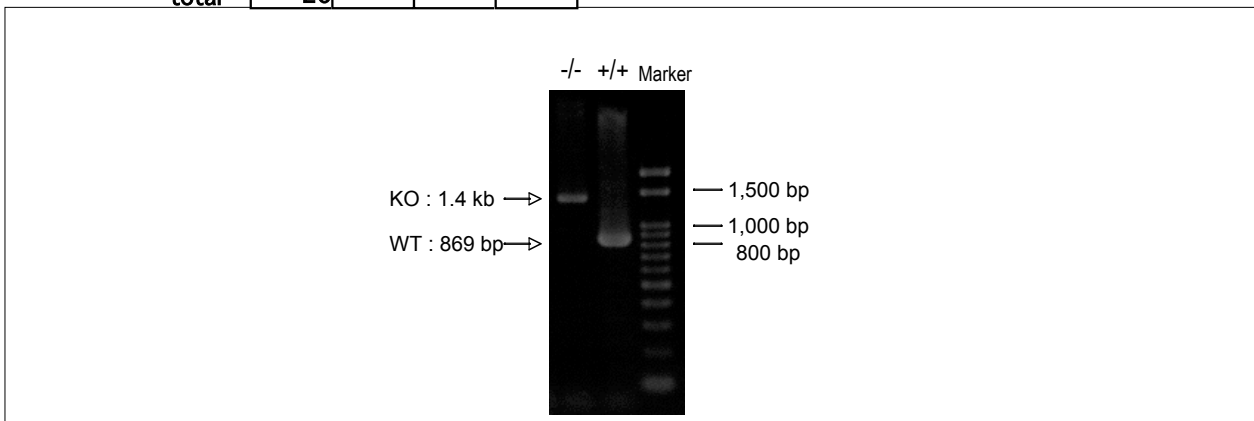
**Reaction Components**

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

**Reaction Conditions**

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		4.8			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq		0.2			
<b>total</b>		<b>20</b>			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	65	30*	
4	72	90*	*Repeat for 30 cycles
5	72	300	


**Marker**

Gene Ladder 100 (Wako, Cat. 316-06951)

**Gel**

2% agarose in 1 X TAE (100 V, 30 min)

**PCR products**

primer_set	product_size	product
primer 1	1.4 kb	KO
primer 1	869 bp	WT

**Comment**