

RBRC 05240

Strain name C57BL/6J-Tg(CAG-TRIM33)5

Primer	primer_name	primer_seq	length	
1	TRIM33-mR-qF1	ATCCACCGTGAAAAAGAAGC	20	Depositor's primer
2	CAGR2	CAGTGGTATTTGTGAGCCAGGGC	23	Depositor's primer
3	oIMR0015	CAAATGTTGCTTGTCTGGTG	20	JAX Genotyping Protocol
4	oIMR0016	GTCAGTCGAGTGCACAGTTT	20	JAX Genotyping Protocol

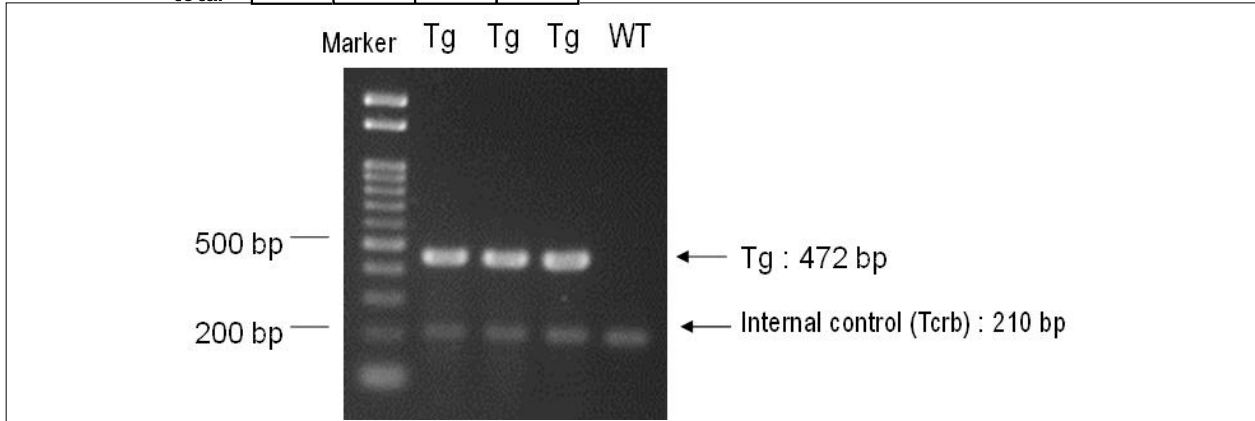
**Reaction Components**

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		11.3			
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			
primer 3	10 pmol/ $\mu$ l	1.0			
primer 4	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq	5 U/ $\mu$ l	0.1			
<b>total</b>		20			

**Reaction Conditions**

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

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

PCR products			
primer_set	primer_set	product_size	product
primer 1	primer 2	472 bp	Tg
primer 3	primer 4	210 bp	Internal control (Tcrd)

**Comment**