

PCR protocol

RBRC 05242

Strain name C57BL/6J-Tg(CAG-TRIM33)13

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

Reaction Components

Enzyme	TaKaRa Ex Taq (Cat. No. RR001A)
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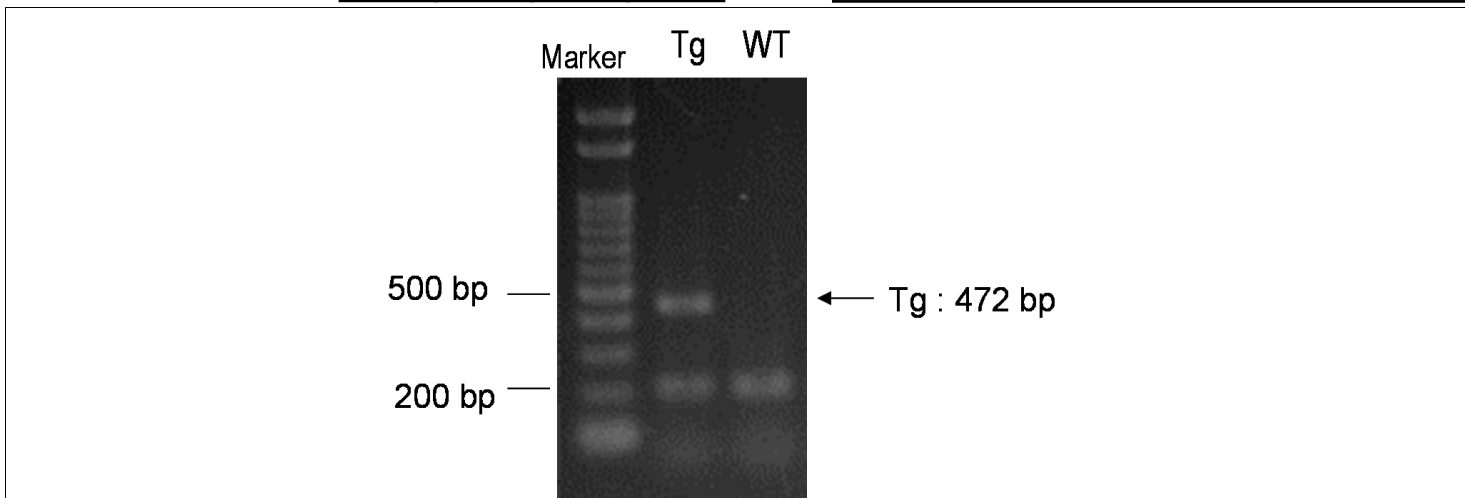
Reaction Conditions

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	

Reagent	Conc	Reaction 1	2	3	4
H2O		11.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
primer 4	10 pmol/μl	1.0			
DNA		1.0			
Taq	5 U/μl	0.1			
total		20			

(μL)

Marker	Gene Ladder 100 (Wako, Cat. 316-06951)
Gel	2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	472 bp	Tg
primer 3	210 bp	Internal control (Tcrd)

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