



# PCR protocol

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RBRC 05830

Strain name C57BL/6J-Tg(Myh6-TRPC3DN)1

Primer	primer_name	primer_seq	length	Reference
1	FMHC	ACTCTTAGCAAACCTCAGGCA	21	Depositor's primer
2	RTrp3-NheI	ATCATCTCGCAGTTCTTGCT	20	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

### Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

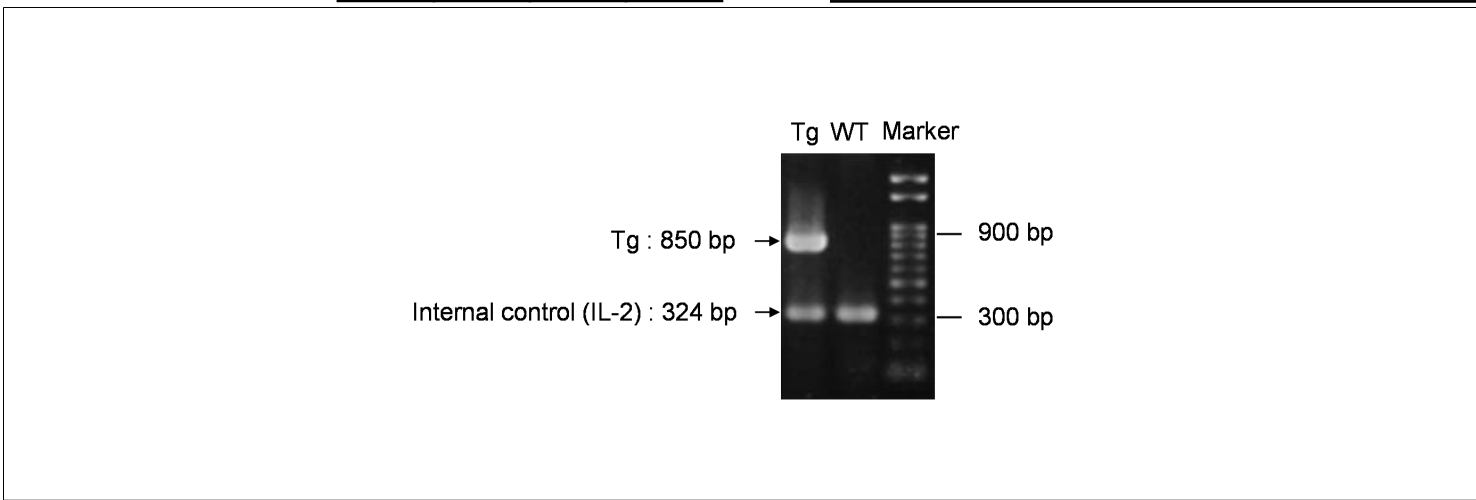
### Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	300	
2	94	30*	
3	60	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	

Reagent	Conc	Reaction 1	2	3	4	(μL)
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		0.1				
<b>total</b>		20				

**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	850 bp	Tg
primer 3	324 bp	Internal control (IL-2)

Comment Separated PCR