

PCR protocol

RBRC 01508

Strain name CaM-Cre 1 mice

Primer	primer_name	primer_seq	length
1	Cre-F	GCAGAACCTGAAGATGTTTCGCGAT	24 <small>cre</small>
2	Cre-R	AGGTATCTCTGACCAGAGTCATCC	24 <small>cre</small>
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24 <small>Internal control (IL-2)</small>
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25 <small>Internal control (IL-2)</small>

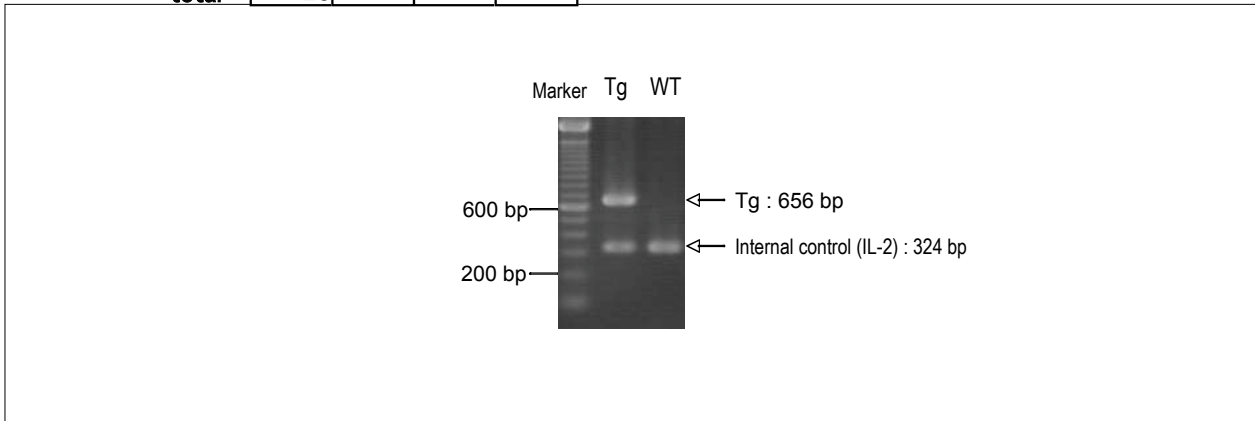
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		15.3			
PCR buffer	10 X	2.5			
dNTP	2.5 mM	2.0			
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		0.2			
total		25			

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
100 bp ladder (Invitrogen, Cat. 15628-050)

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

PCR products		product_size	product
primer_set	primer_set		
primer 1	primer 2	656 bp	Tg
primer 3	primer 4	324 bp	internal control (IL-2)

Comment