

RBRC 02153

Strain name C57BL/6J-Tg(AAT-cre)31Rbrc

Primer	primer_name	primer_seq	length	Reference
1		CTCTAAGCTTCACATATGCATGCAC	25	RIKEN BRC
2	TG06-06(AAT)	GCACACAGTAGGCTCTTTATGTGG	24	RIKEN BRC
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	Internal control (IL-2) JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	Internal control (IL-2) JAX Genotyping Protocol

**Reaction Components**

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

**Reaction Conditions**

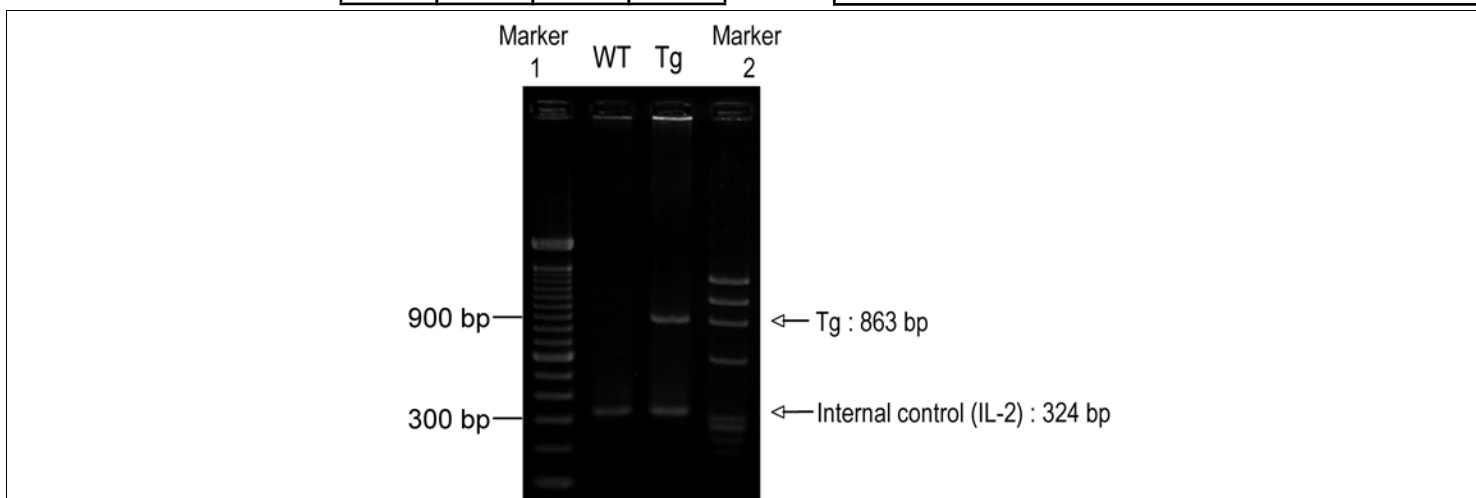
step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	65	30*	
4	72	60*	*Repeat for 40 cycles
5	72	300	

Reagent	Conc	Reaction 1	2	3	4
H2O		14.4			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/μl	0.2			
primer 2	10 pmol/μl	0.2			
primer 3	10 pmol/μl	0.2			
primer 4	10 pmol/μl	0.2			
DNA		1.0			
Taq		0.2			
<b>total</b>		<b>20</b>			

(μL)

**Marker** marker 1: 100 bp ladder (Invitrogen, Cat. 15628-050), marker2: ϕ X174 Hae III

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



primer_set	product_size	product (allele type)	
primer 1	primer 2	863 bp	Tg
primer 3	primer 4	324 bp	Internal control (IL-2)

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