

# PCR protocol

**RBRC 03966**      **Strain name** C57BL/6N-Tg(Wap-cre)25Utr/Rbrc

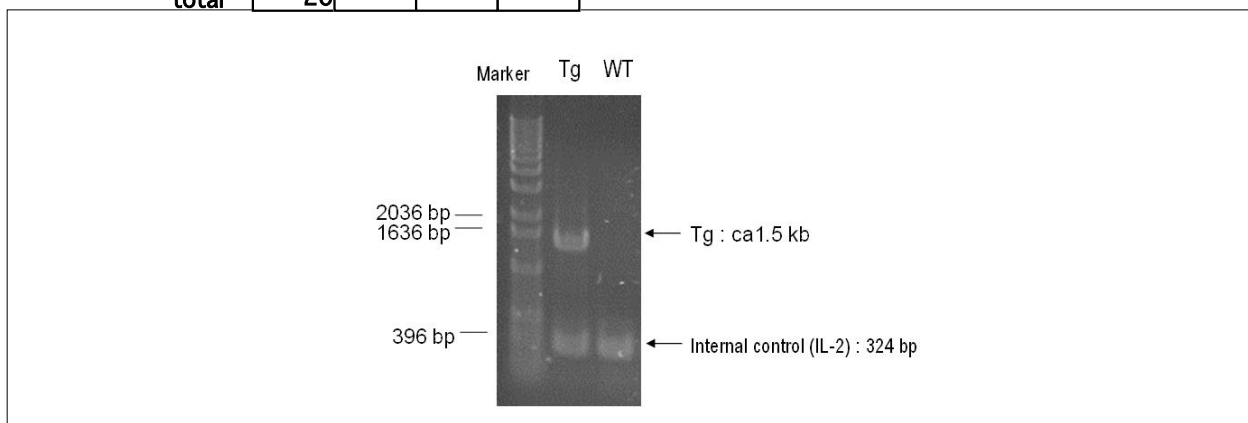
Primer	primer_name	primer_seq	length	
1	WAP-check 5'	GTAGCCCGGACTCGAGCCTTGCTCA	25	Depositor's primer
2	Cre	CTAATCGCCATCTTCCAGCAGG	22	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

**Reaction Components**
**Enzyme** TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

**Reaction Conditions**

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	120*	*Repeat for 30 cycles
5	72	300	

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.8			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
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		0.2			
total		20			



Marker	PCR products		
1 kb DNA ladder (Invitrogen, Cat. 15615-024)	primer_set	product_size	product
<b>Gel</b> 1% agarose in 1 X TAE (100 V, 30 min)	primer 1	1.5 kbp	Tg
	primer 2		
	primer 3	324 bp	Internal control (IL-2)
	primer 4		

**Comment**