

PCR protocol

RBRC 03964 **Strain name** C57BL/6N-Tg(Wap-cre)18Utr/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

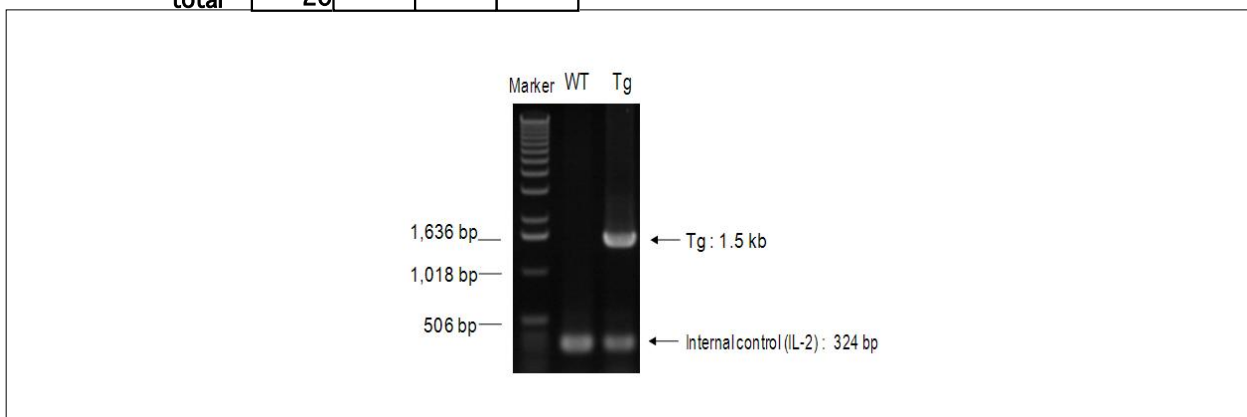
Reaction Components

Reaction Conditions

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

	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/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		20			

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	



Marker
1 kb DNA ladder (Invitrogen, Cat. 15615-024)
Gel
1% agarose in 1 X TAE (100 V, 30 min)

PCR products			
	primer_set	product_size	product
	primer 1	primer 2	1.5 kb
	primer 3	primer 4	324 bp
			Tg
			Internal control (IL-2)

Comment