

RBRC 03949

Strain name C57BL/6N-Tg(Insl-cre/Esr1)25Utr/Rbrc

Primer	primer_name	primer_seq	length	
1	Insulin1-check 5'	AGGCCATCTGGTCCCTTATTAAGAC	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

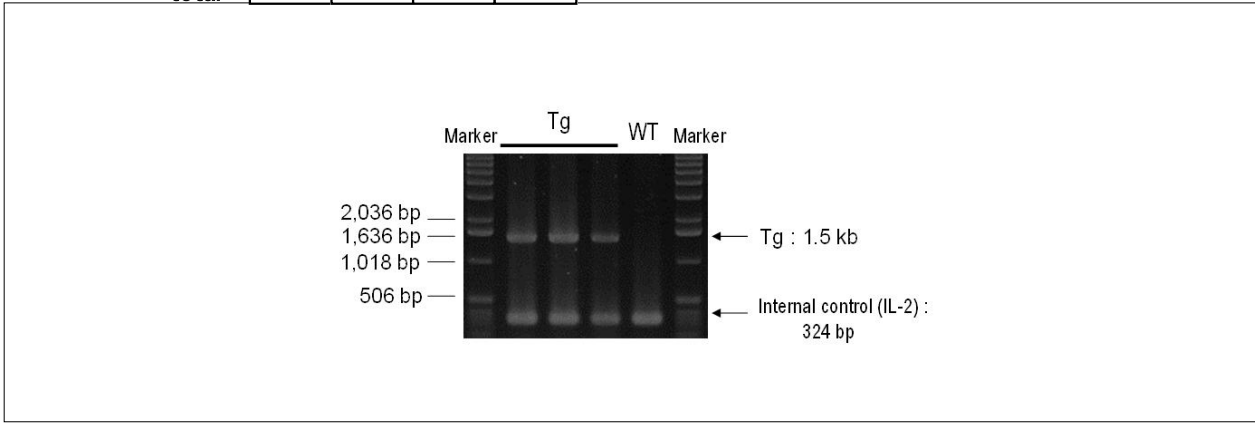
Reaction Components

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

Reaction Conditions

	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/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
primer 4	10 pmol/ μ l	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	90*	*Repeat for 30 cycles
5	72	300	



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

Comment