

RBRC 03948

Strain name C57BL/6N-Tg(Ins1-cre/Esr1)6Utr/Rbrc

Primer	primer_name	primer_seq	length	Reference
1	Insulin1-check 5'	AGGCCATCTGGTCCCTTATTAAGAC	25	Exp Anim 62, 295-304 (2013).
2	Cre	CTAATCGCCATCTTCCAGCAGG	22	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

Reaction Components

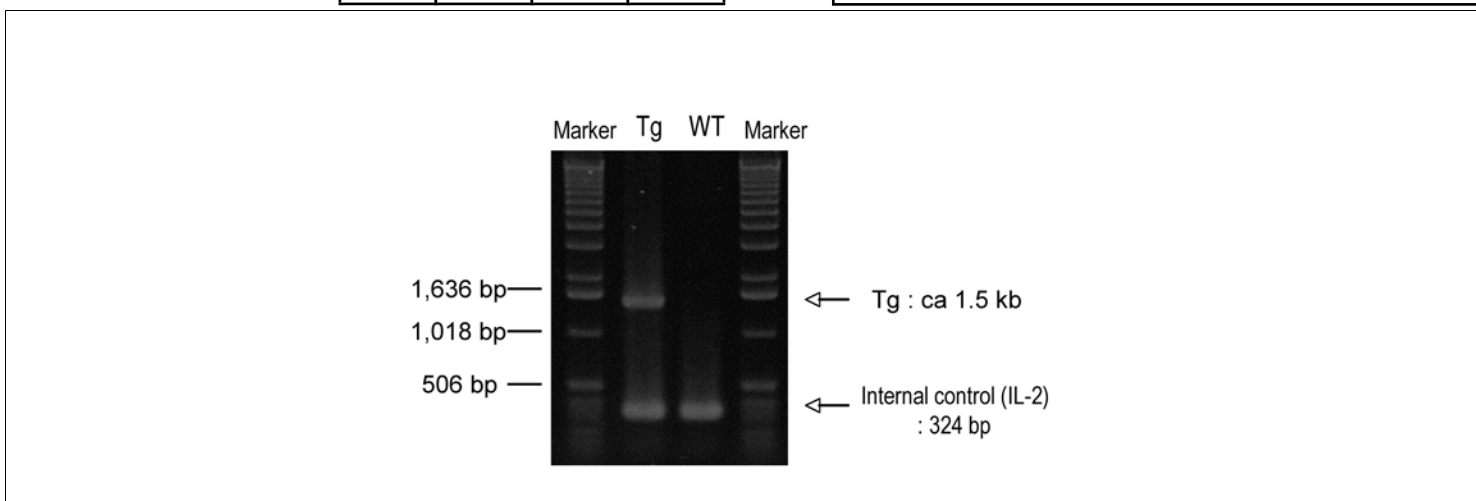
Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reagent	Conc	Reaction 1	2	3	4	(μ L)
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				

Reaction Conditions

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



primer_set	product_size	product (allele type)	
primer 1	primer 2	ca 1.5 kb	Tg
primer 3	primer 4	324 bp	Internal control (IL-2)

Comment