

RBRC 02445

Strain name B6.Cg-Tg(lefty2 5.5-cre)21BHmd

Primer	primer_name	primer_seq	length	Reference
1	cre 1	AGGTTCTGTTCACTCATGGA	19	Depositor's primer
2	cre 2	TCGACCAGTTTATTACCC	19	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	Internal control (IL-2) JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	Internal control (IL-2) JAX Genotyping Protocol

Reaction Components

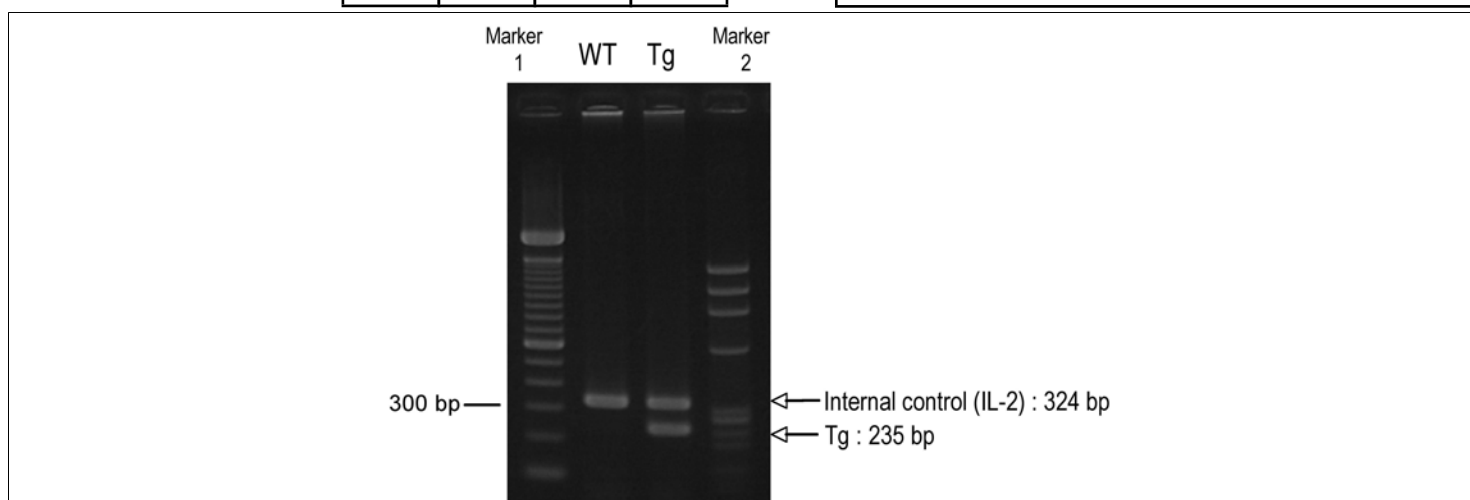
Enzyme	TaKaRa Ex Taq (Cat. No. RR001A)
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Reagent	Conc	Reaction 1	2	3	4
H2O		15.3			
PCR buffer	10 X	2.5			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
primer 4	10 pmol/ μ l	1.0			
DNA		1.0			
Taq		0.2			
total		25			

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	55	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	

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	235 bp
primer 3	primer 4	324 bp

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