



RBRC 02925

Strain name C57BL/6-Tg(Olfr1507-Olfr1509,-EYFP)2Hsak

Primer	primer_name	primer_seq	length	Reference
1	Ires-for	GCATTCTAGGGGTCTTTCC	20	Depositor's primer
2	Ires-rev	TACGCTTGAGGAGAGCCATT	20	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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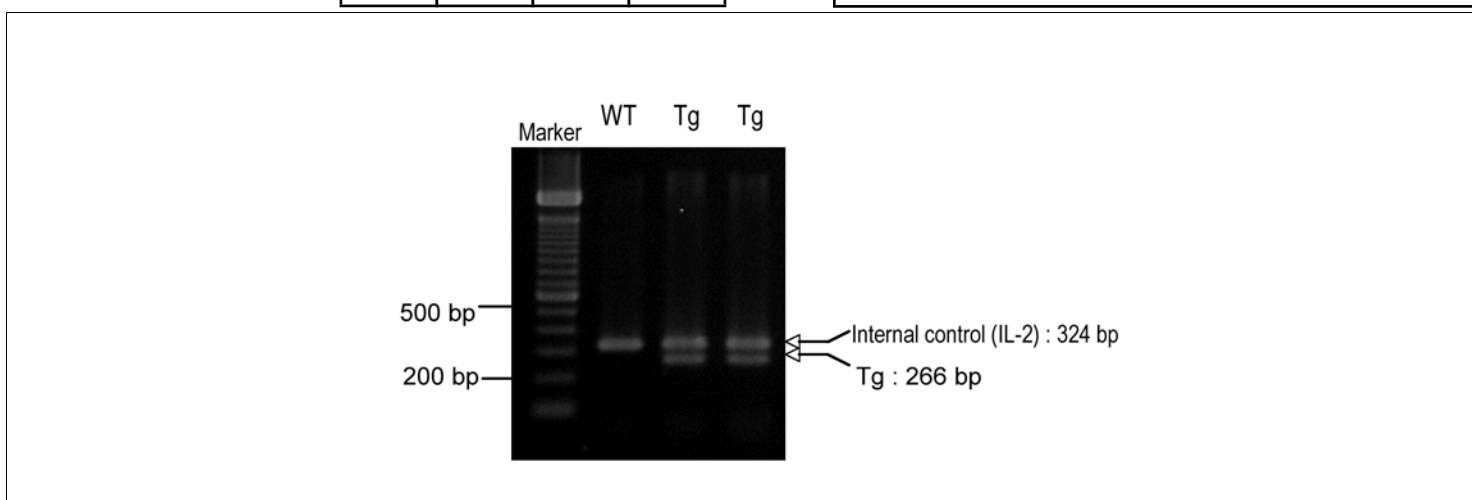
**Reaction Conditions**

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

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/ $\mu$ 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			
<b>total</b>		25			

(  $\mu$  L )

<b>Marker</b>	100 bp ladder (Invitrogen, Cat. 15628-050)
<b>Gel</b>	2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	primer 2	266 bp Tg
primer 3	primer 4	324 bp Internal control (IL-2)

**Comment**

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