

PCR protocol

RBRC 02933

Strain name C57BL/6-Tg(Olfr16-Olr226*D126R/R127D,-EYFP)1Hsak

Primer	primer_name	primer_seq	length		
1	IRES-F	CGGTGCACATGCTTTACATGTG	22		Depositor's primer
2	C/YFP-R	CTTGTTGGCCGTTTACGTCGC	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

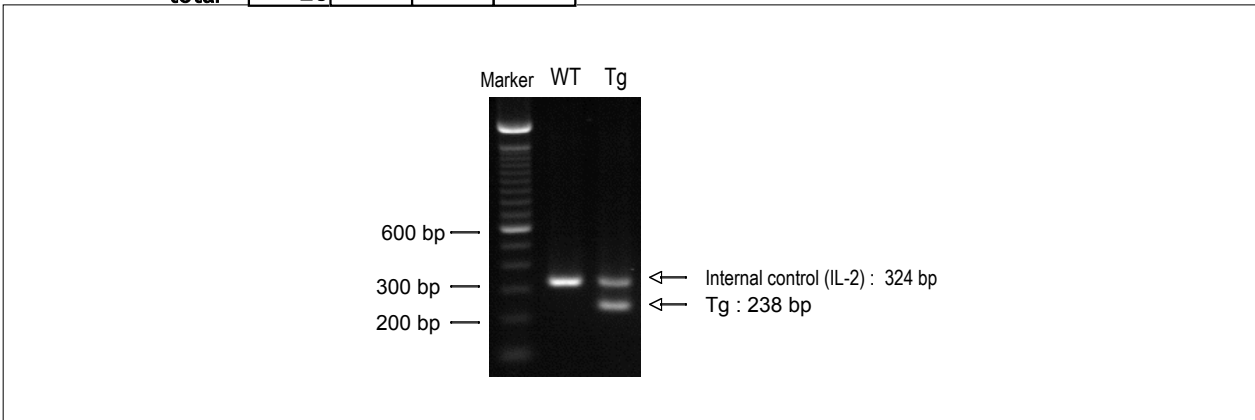
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

Conc	Run 1	Run 2	Run 3	Run 4
H2O	15.3			
PCR buffer	2.5			
dNTP	2.0			
primer 1	1.0			
primer 2	1.0			
primer 3	1.0			
primer 4	1.0			
DNA	1.0			
Taq	0.2			
total	25			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	63	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	



Marker

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

2% agarose in 1 X TAE (100 V, 30 min)

PCR products

primer_set	product_size	product
primer 1	238 bp	Tg
primer 3	324 bp	Internal control (IL-2)

Comment