

PCR protocol

RBRC 02935
Strain name C57BL/6-Tg(Olfr16-Olr226*D126R/R127D,-Gnas*Q227L,-ECFP)1Hsak

Primer	primer_name	primer_seq	length		
1	IRES-F	cggtgcacatgctttacatgtg	22		Depositor's primer
2	CaGs-R	CGGTAGACCTGCTTGTCTTCTG	23		Depositor's primer
3	olMR0042	CTAGGCCACAGAATTGAAAGATCT	24	Internal control (IL-2)	JAX Genotyping Protocol
4	olMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	Internal control (IL-2)	JAX Genotyping Protocol

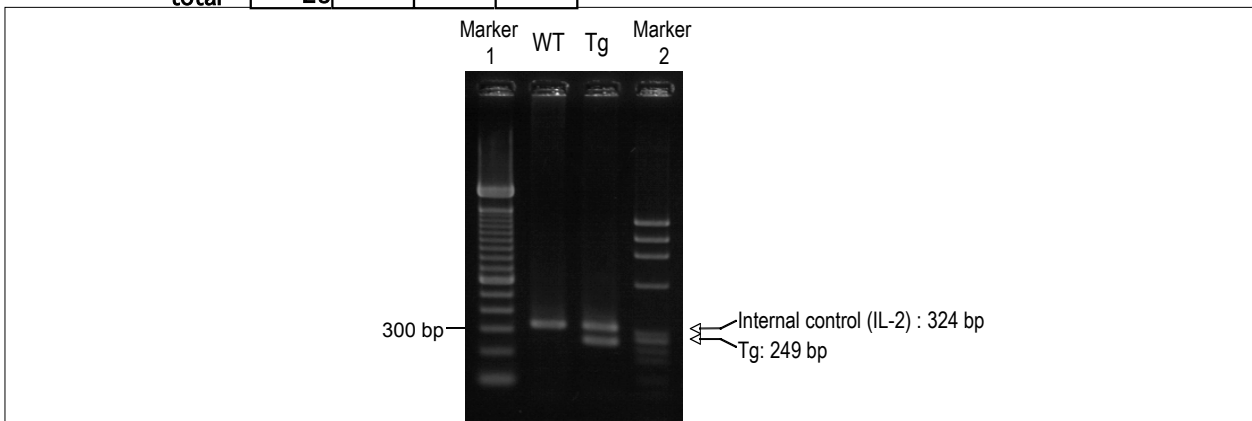
Reaction Components

Reaction Conditions

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3	Run 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			

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
 marker 1: 100 bp ladder (Invitrogen, Cat. 15628-050), marker 2: ϕ X174 Hae III

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

PCR products			
primer_set	product_size	product	
primer 1 primer 2	249 bp	Tg	
primer 3 primer 4	324 bp	Internal control (IL-2)	

Comment