

PCR protocol

BRC_No 01302

 Strain name SRR2- β geo transgenic mice

Primer		primer_name	primer_seq	length	
1	sat148	CTGGATCAAATCTGTCGATCC	21		
2	sat149	CGTATTCGCAAAGGATCAGC	20		
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24		Internal control (IL-2)
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25		Internal control (IL-2)

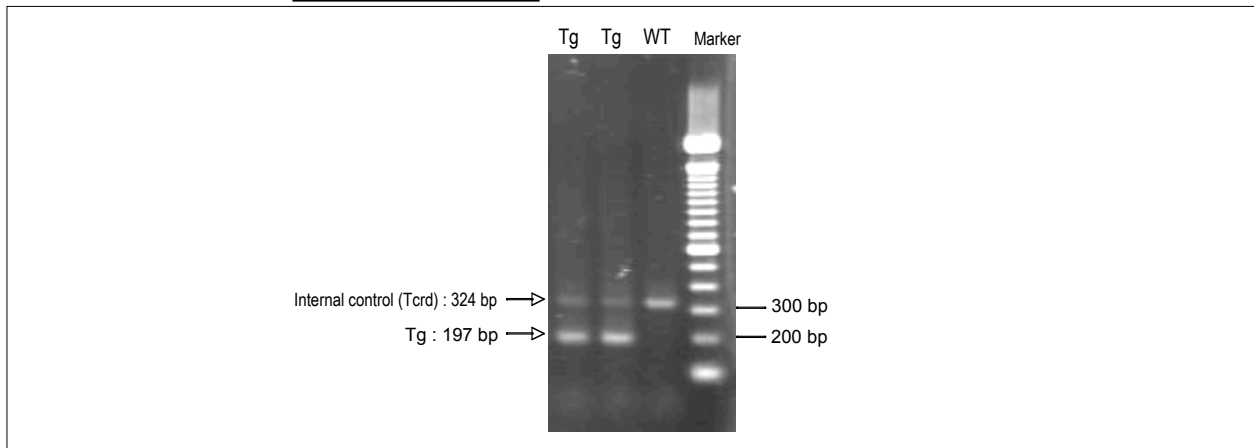
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3
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	20*	
3	51	20*	
4	72	45*	*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	197 bp	Tg
primer 3	324 bp	internal control (IL-2)

Comment