

PCR protocol

BRC_No 01131 Strain name CAG-loxP-p35 Tg mice

Primer			
	primer_name	primer_seq	length
1	5' primer	TGGATGGATTCCACGATAGC	20
2	3' primer	TGCACACTCTCCACGTAAGC	20
3	oIMR0015	CAAATGTTGCTTGCTGGTG	20
4	oIMR0016	GTCAGTCGAGTGCACAGTTT	20

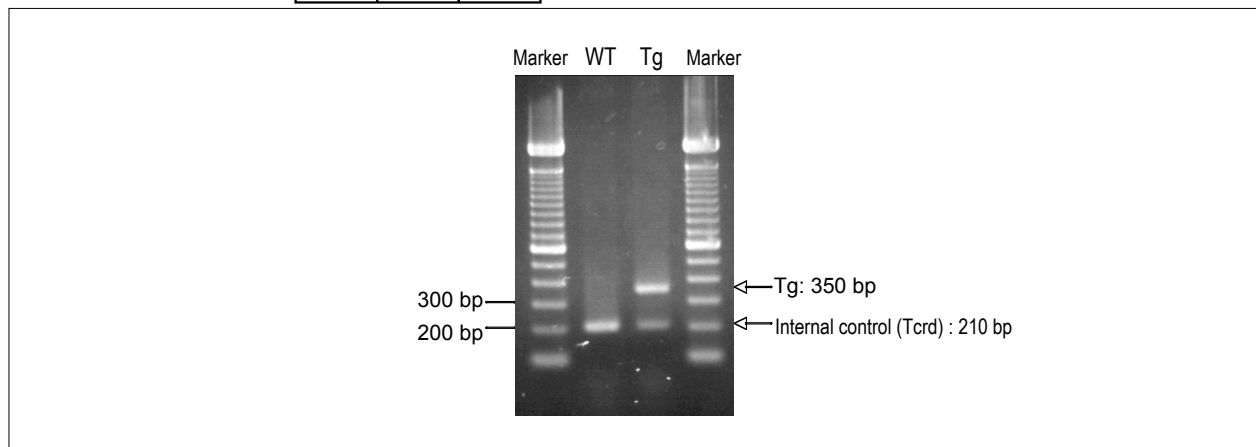
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

	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		

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	300	
2	94	30*	
3	55	30*	
4	72	60*	*Repeat for 35 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	primer 2	350 bp	Tg
primer 3	primer 4	210 bp	internal control (Tcrd)

Comment