

PCR protocol

RBRC 01874

Strain name CAG-CAT-Bmp2

Primer	primer_name	primer_seq	length	
1	CAT2	CAGTCAGTTGCTCAATGTACC	21	Depositor's primer
2	CAT3	ACTGGTGAAACTCACCCA	18	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

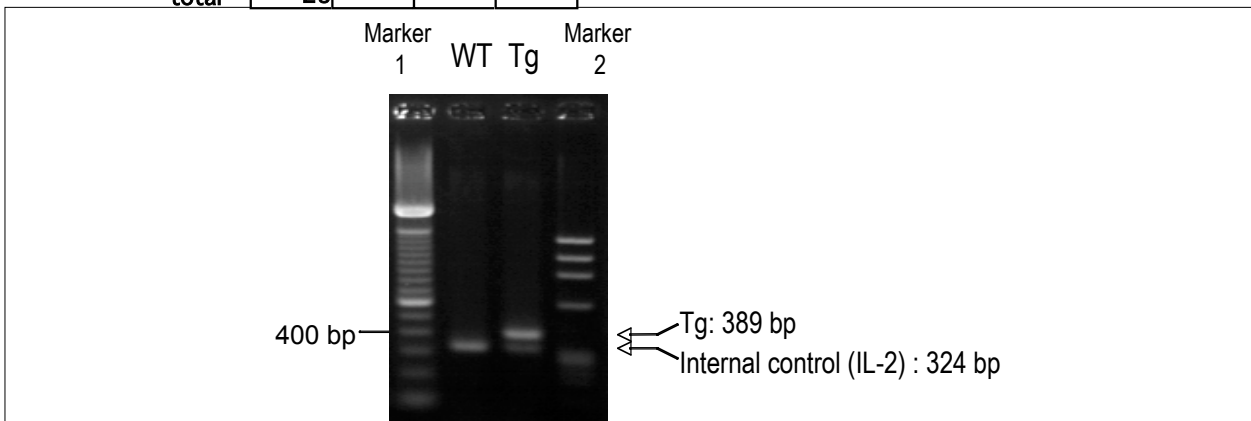
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	55	30*	
4	72	60*	*Repeat for 35 cycles
5	72	300	

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			



Marker

marker 1: 100 bp ladder (Invitrogen, Cat. 15628-050), marker2: ϕ X174 Hae III

Gel

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

PCR products

primer_set	product_size	product
primer 1	389 bp	Tg
primer 3	324 bp	Internal control (IL-2)

Comment