

PCR protocol

RBRC 03094 Strain name B6.Cg-Tg(CAG-MIR145/MIR143)A

Primer	primer_name	primer_seq	length	
1	miR143-5'	TGAGATGAAGCACTGTAGCTCA	22	Depositor's primer
2	PCACCSREV	CCAGAAGTCAGATGCTCAAG	20	Depositor's primer
3	oIMR0015	CAAATGTTGCTTGCTGGTG	20	JAX Genotyping Protocol
4	oIMR0016	GTCAGTCGAGTGCACAGTTT	20	JAX Genotyping Protocol

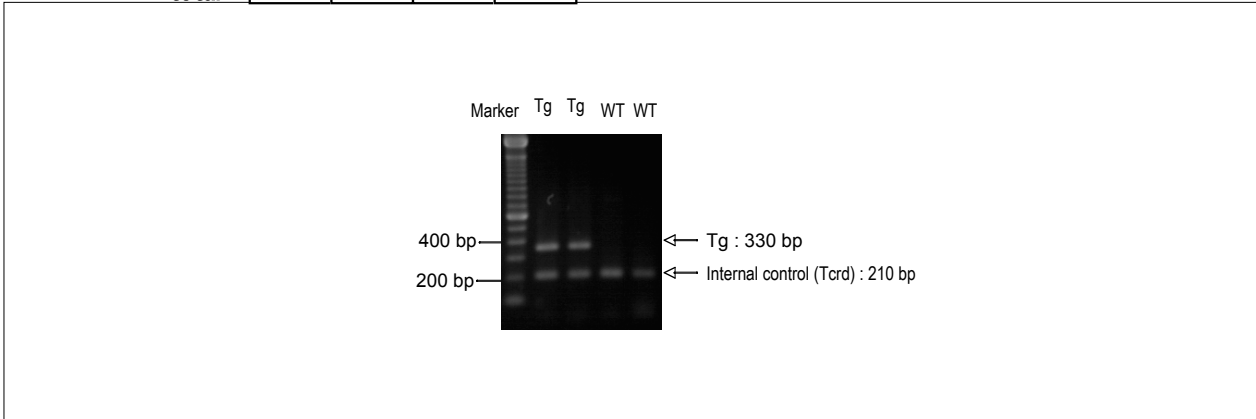
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

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

	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/µl	1.0			
primer 2	10 pmol/µl	1.0			
primer 3	10 pmol/µl	1.0			
primer 4	10 pmol/µl	1.0			
DNA		1.0			
Taq		0.2			
total		25			



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

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

PCR products			
primer_1	primer_2	product_size	product
primer 1	primer 2	330 bp	Tg
primer 3	primer 4	210 bp	Internal control (Tcrd)

Comment