

# PCR protocol

RBRC 03093

Strain name B6.Cg-Tg(CAG-MIR143)B

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

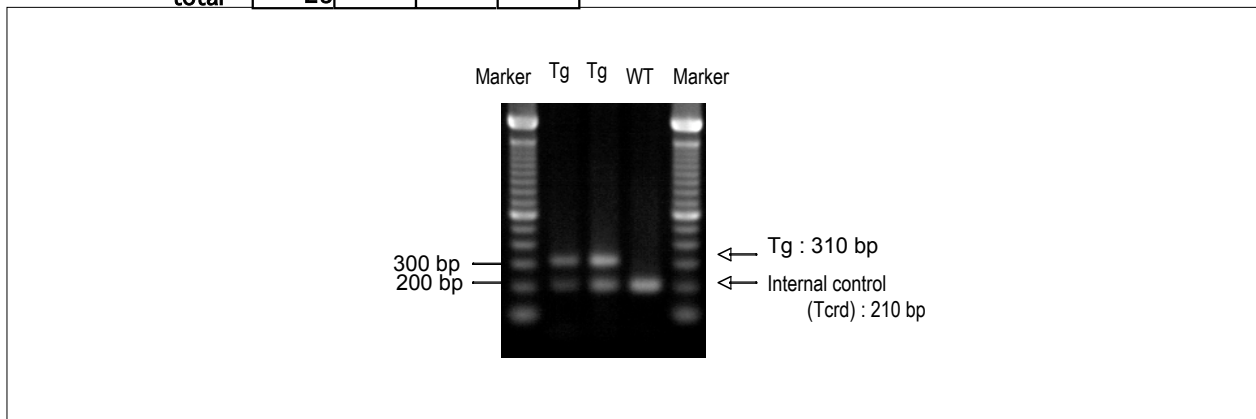
**Reaction Components**

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

**Reaction Conditions**

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	57	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	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			
<b>total</b>	<b>25</b>			


**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	310 bp	Tg
primer 3 primer 4	210 bp	Internal control (Tcrd)

Comment