

# PCR protocol

RBRC 04769

Strain name ICR:B6C3-Tg(13kb Dnd1/3xFLAG)2

Primer	primer_name	primer_seq	length	
1	Dnd1-3F-Fw3	GTCGACGGTATCGATGACTC	20	Depositor's primer
2	Ter for TG-Rv4	CTGGTGCCAAGCTGGGAATT	20	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

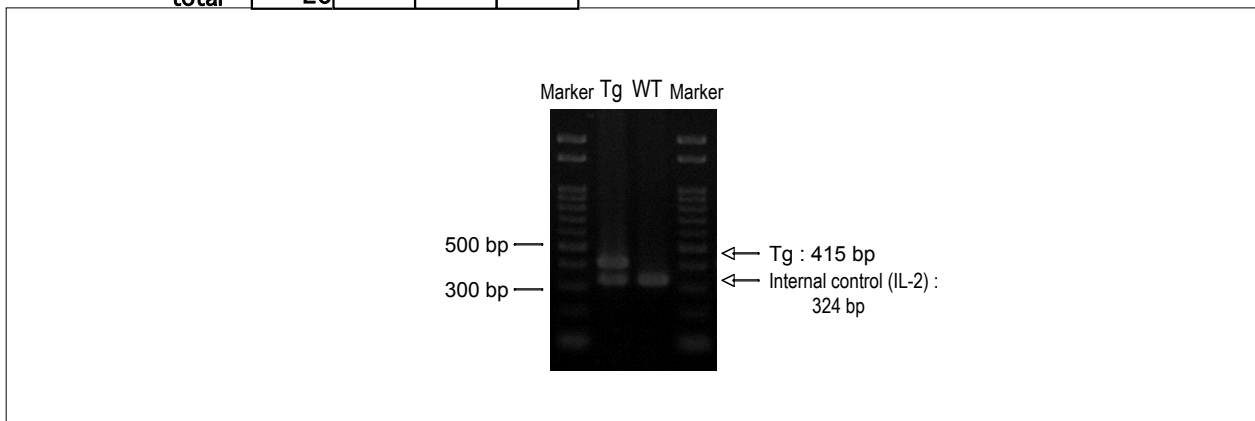
## Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

## Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		11.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
primer 3	10 pmol/ $\mu$ l	1.0			
primer 4	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq	5U/ $\mu$ l	0.1			
<b>total</b>		<b>20</b>			

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	



**Marker**  
Gene Ladder 100 (Wako, Cat. 316-06951)

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

PCR products			
primer_set	product_size	product	
primer 1 primer 3	primer 2 primer 4	415 bp 324 bp	Tg Internal control (IL-2)

Comment