

PCR protocol

RBRC 03104

Strain name B6C3-Tg(NodalASE-hsp68-lacZ)82Hmd

Primer	primer_name	primer_seq	length	
1	ZS-6	GCACGGTTACGATGCGCCCATCTACACCAA	33	Depositor's primer
2		ACGGCAAACGACTGTCCTGGCCGTAACCGACC	32	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

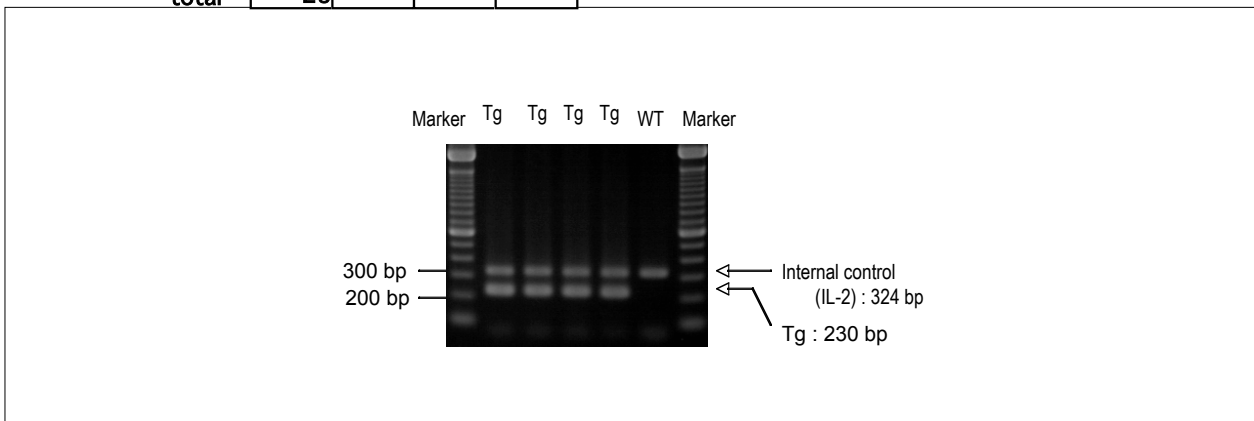
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

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/ 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			



Marker
100 bp DNA Ladder (TAKARA, Cat. 3407A)

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

PCR products

primer_set	product_size	product
primer 1 / primer 2	230 bp	Tg
primer 3 / primer 4	324 bp	Internal control (IL-2)

Comment