

PCR protocol

RBRC 04104

Strain name C57BL/6-Tg(CTD2-2521M24)GNKTG02Rin

Primer	primer_name	primer_seq	length	
1	hBST2end3'-1F	CTGGGAAGGATTGGGTGAGA	20	Depositor's primer
2	hBST2end3'-1R	CCAAACAGAACCAAACTCCTCAA	24	Depositor's primer
3	hmid-side F1	AGGCGGTGGGAGGGACAAGAATC	23	Depositor's primer
4	hmid-side R1	ATGCCCAGCGAGAGTTTCAAGAT	23	Depositor's primer
5	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
6	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

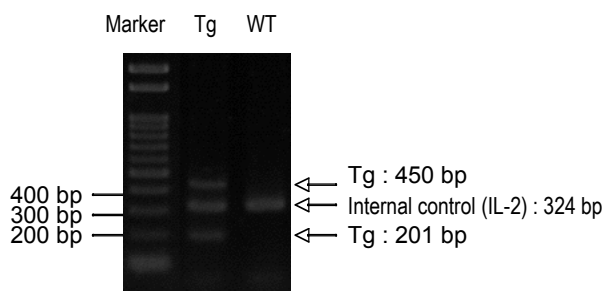
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		9.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
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			
primer 5	10 pmol/ μ l	1.0			
primer 6	10 pmol/ μ l	1.0			
DNA		1.0			
Taq		0.1			
total		20			

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 2	201bp	Tg
primer 3	primer 4	450 bp	Tg
primer 5	primer 6	324 bp	Internal control (IL-2)

Comment