

PCR protocol

RBRC 04938

Strain name B6.B6D2-Tg(A1AT-Spp1)25

	Primer primer_name	primer_seq	length	
1	a-1	GTGGACTTAGCCCCTGTTTTG	20	Depositor's primer
2	Ex2_Rv	AGGGAGGAGGCAATGCCAAACAG	23	RIKEN BRC
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol

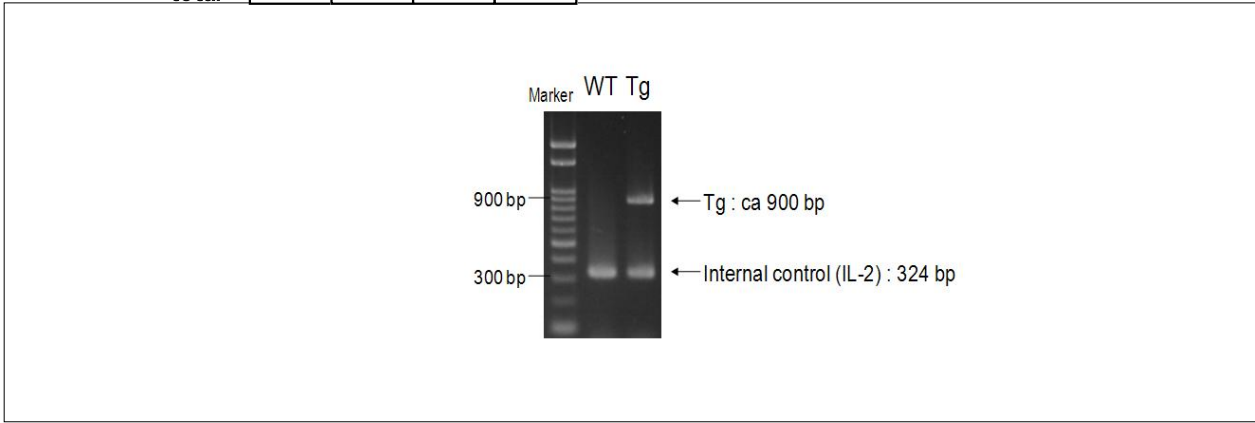
Reaction Components

Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	60*	*Repeat for 30 cycles

Conc	Run 1	Run 2	Run 3	Run 4
H2O	0.8			
PCR buffer	2 X 10.0			
dNTP	2 mM 4.0			
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	1 U/μl 0.2			
total	20			


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	ca 900 bp	Tg
primer 3 primer 4	324 bp	Internal control (IL-2)

Comment