

PCR protocol

RBRC 04664 Strain name 129;FVB-Tg(PDGFB-Ptn)2Rau

Primer	primer_name	primer_seq	length	
1	ratHB-GAM_Fw)	ATGTCGTCCCAGCAATACCAGCAG	24	RIKEN BRC
2	ratHB-GAM_Rv)	CCAGCATCTTCTCCTGTTTCTTGC	24	RIKEN BRC
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

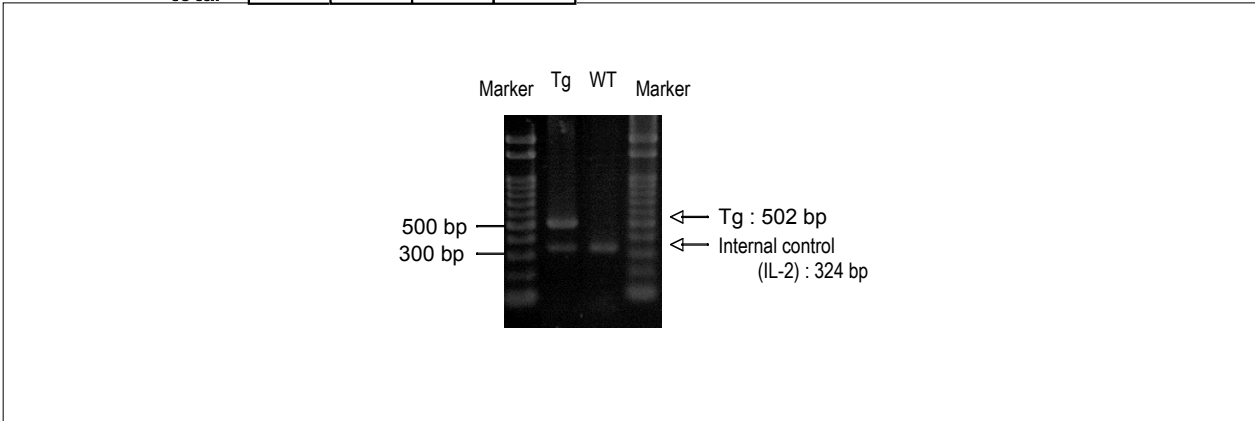
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

	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/ 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	5U/ μ l	0.1			
total		20			

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	



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

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

PCR products		product_size	product
primer_1	primer_2		
primer 1	primer 2	502 bp	Tg
primer 3	primer 4	324 bp	Internal control (IL-2)

Comment