

RBRC 05833

Strain name C57BL/6J-Tg(Myh6-PIP5K alpha DN)2

Primer	primer_name	primer_seq	length	Reference
1	FMHC	ACTCTTAGCAAACCTCAGGCA	21	Depositor's primer
2	RPIP5Ka-PCR	TCCACCACGTAGAAAGTCTTGTATGA	25	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)

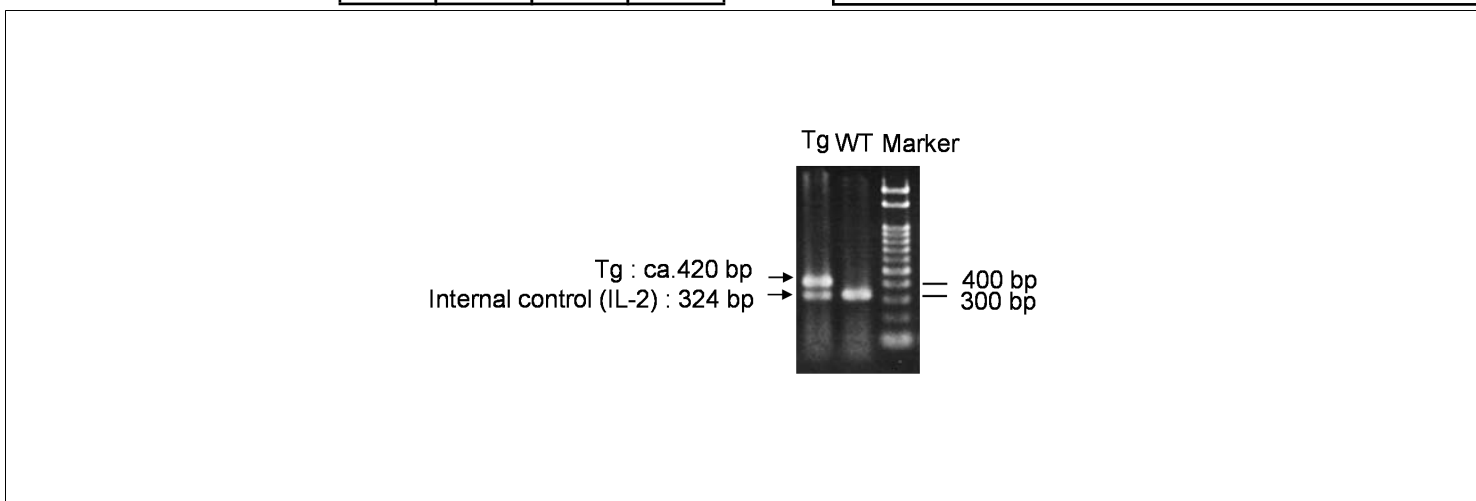
Reaction Conditions

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	

Reagent	Conc	Reaction 1	2	3	4	
H2O		11.3				(μL)
PCR buffer	10 X	2.0				
dNTP	2.5 mM	1.6				
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		0.1				
total		20				

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

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



primer_set	product_size	product (allele type)
primer 1	primer 2	ca 420 bp Tg
primer 3	primer 4	324 bp Internal control (IL-2)

Comment