

PCR protocol

RBRC 04111

Strain name STOCK Tg(NDE-hsp-Pkd2,lacZ)34Hmd

Primer	primer_name	primer_seq	length	
1	Pkd2 ex2	GGGGAACAAGACTCATGGAA	20	Depositor's primer
2	Pkd2 ex3	ACACTGGGGTGTCTATGAAT	20	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

Reaction Components

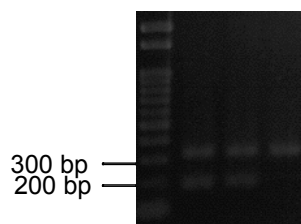
Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	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	1.5			
primer 2	10 pmol/ μ l	1.5			
primer 3	10 pmol/ μ l	0.5			
primer 4	10 pmol/ μ l	0.5			
DNA		1.0			
Taq	5U/ μ l	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 Tg Tg WT



← Internal control (IL-2) : 324 bp
← Tg : 186 bp

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	186 bp	Tg
primer 3	324 bp	Internal control (IL-2)

Comment