

PCR protocol

RBRC 02274

Strain name *ang(lacZ)* (Acc. No. CDB0024K)

Primer	primer_name	primer_seq	length	
1	p3	CTCTTCGACATCCTGGACGACC	22	Gene Expr. Patterns, 5, 171-178 (2004)
2	p4	CCTGATCCCGCTGGCCGCCGTC	22	Gene Expr. Patterns, 5, 171-178 (2004)
3	p5	GAATGGAAGGATTGGAGCTACGG	23	Gene Expr. Patterns, 5, 171-178 (2004)

Reaction Components

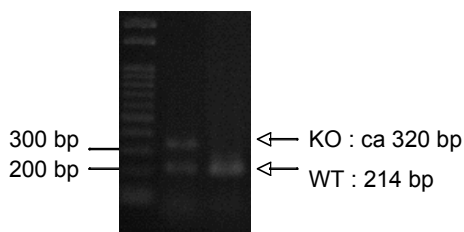
Enzyme Roche Taq (Cat. No. BM1418432)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		12.3			
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			
DNA		1.0			
Taq	5 U/ 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 35 cycles
5	72	300	

Marker +/- +/-



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	214 bp
primer 3	primer 2	ca 320 bp

Comment