

PCR protocol

RBRC 02594

Strain name Sept3(-) (Acc. No. CDB0422K)

Primer	primer_name	primer_seq	length	
1	p1	AGCATCAACTCCAACCTGCT	20	Depositor's primer
2	p2	CCACATGGTGGCTCACAATC	20	Depositor's primer
3	p3	GTGAGACGTGCTACTTCCAT	20	Depositor's primer

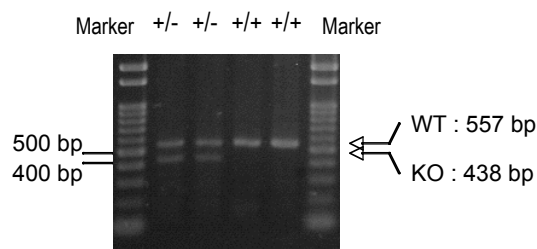
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

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	5U/ μ l	0.1			
total		20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	65	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

primer_set		product_size	product
primer 1	primer 2	557 bp	WT
primer 1	primer 3	438 bp	KO

Comment