

PCR protocol

RBRC 03799

Strain name C.129X1(B6)-Sept4<tm1Ksh>

Primer	primer_name	primer_seq	length		
1	Sept4_F	ATCAAGCACTTCCTGGAGGACAG	23		
2	Sept4_R	AGGGTTGCAAAGCCCACATACTC	23		
3	Neo	GCAATCCATCTTGTCAATGGCC	23		Depositor's primer

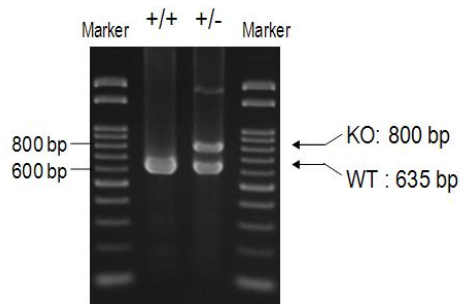
Reaction Components

Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.3			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	0.5			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq		0.2			
total		20			

step	temp (°C)	time (sec)	note
1	94	180	
2	98	10*	
3	60	30*	
4	68	60*	*Repeat for 30 cycles



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	635 bp	WT
primer 1	primer 3	800 bp	KO

Comment