

PCR protocol

RBRC 01732

Strain name VinexinKO/C57B6

Primer	primer_name	primer_seq	length
1	625A	AAGCTGAGCGCAGAGCTGGACAAGGACCTG	30
2	0427	CCTGGAGTCTGCAGTTTCTAAGTCTCTCCC	30

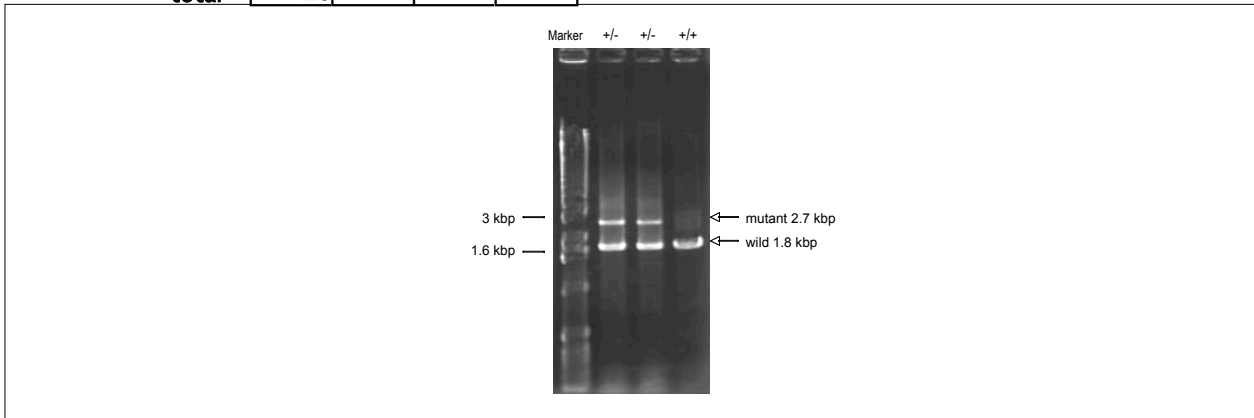
Reaction Components

Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reaction Conditions

Conc	Run 1	Run 2	Run 3	Run 4
H2O	4.8			
PCR buffer	2 X GC I 10.0			
dNTP	2.5 mM 2.0			
primer 1	10 pmol/ μ l 1.0			
primer 2	10 pmol/ μ l 1.0			
DNA	1.0			
Taq	0.2			
total	20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	63	30*	
4	72	180*	*Repeat for 30 cycles
5	72	300	



Marker

1 kb plus DNA ladder (Invitrogen, Cat. 10787-026)

Gel

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

PCR products

primer_set	product_size	product
primer 1 primer 2	2.7 kbp	KO
primer 1 primer 2	1.8 kbp	WT

Comment