

RBRC 00398

Strain name B6.129P2-Mmp2<tm1lto>/ltoRbrc

Primer	primer_name	primer_seq	length
1	GelA-F	GTGCTACTGCAGGATAAACTGATG	24
2	GelA-R	CCGGGACAGGAACGTACTGGGTTCC	24
3	PGKF	GCGCCTACCGGTGGATGTGGAATGTGTGCG	30

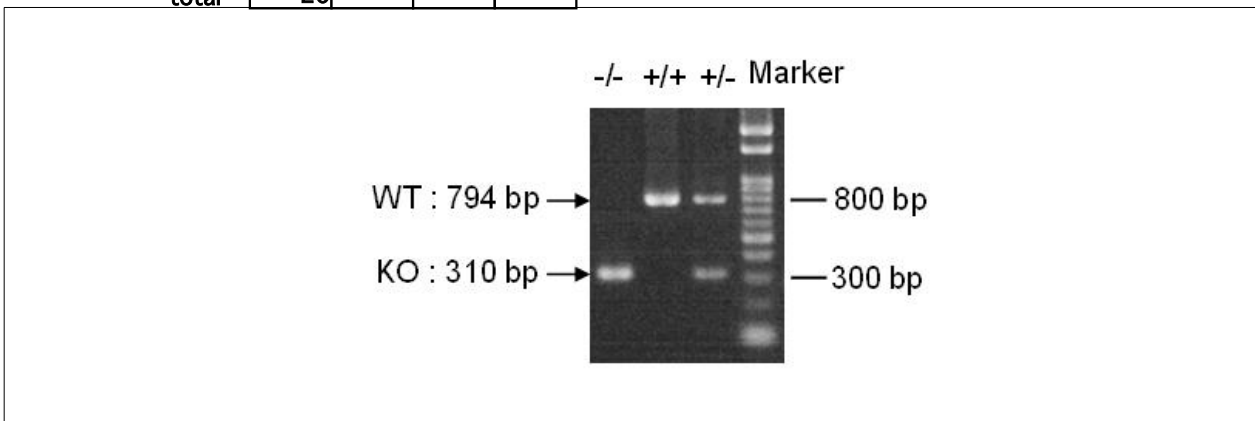
Reaction Components

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

Reaction Conditions

Conc	Run 1	Run 2	Run 3	Run 4
H2O	1.8			
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 1.0			
primer 3	10 pmol/ μ l 1.0			
DNA	1.0			
Taq	1 U/ μ l 0.2			
total	20			

step	temp (°C)	time (sec)	note
1	94	120	
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	794 bp	WT	
primer 1 primer 3	310 bp	KO	

Comment Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.