

PCR protocol

RBRC 02849

 Strain name B6.Cg-*Ern1*^{tm1Dron}

Primer	primer_name	primer_seq	length	
1	mlre1a.g5S	TTAAGACCCAGCACTGGCCAGGT	23	Depositor's primer
2	PGK.255R	GCTACCGGTGGATGTGGAATGTG	23	Depositor's primer
3	mlre1a.g4AS	GCAAGAGTCAGGCCCACTGATC	22	Depositor's primer

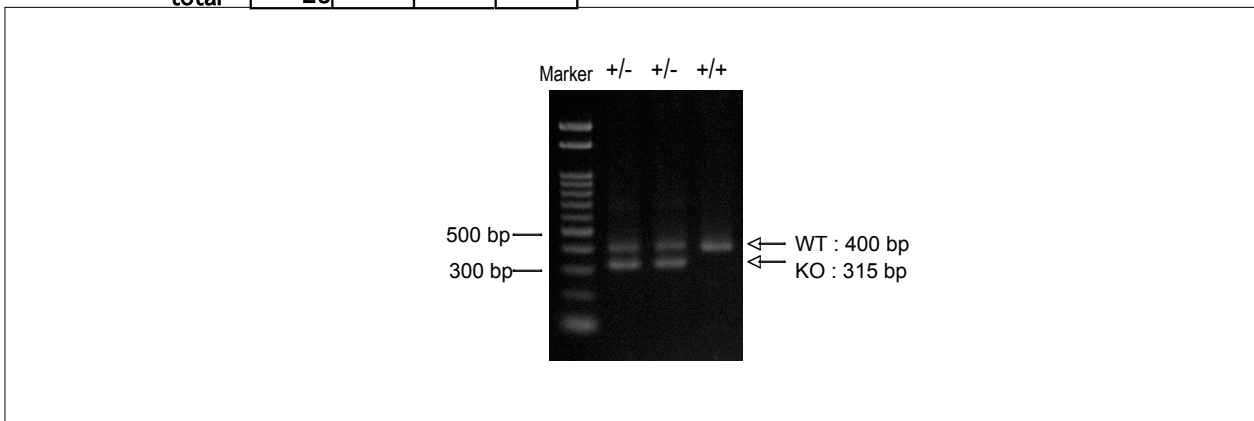
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		16.3			
PCR buffer	10 X	2.5			
dNTP	2.5 mM	2.0			
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		0.2			
total		25			

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

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 2	315 bp	KO
primer 1	400 bp	WT

Comment