

PCR protocol

RBRC 04435

Strain name ICR.129(B6)-Msi1 <tm1Okn>

Primer	primer_name	primer_seq	length	
1	mmsiD1	TGAAAGAGTGTCTGGTGATGCCGGGAC	26	Depositor's primer
2	mmsiD2	TTGGAGTCGAGCTCGTGCCGCGATT	25	Depositor's primer
3	mmsiA	CTGAGCTATCTCCAACCCGACCCAG	25	Depositor's primer
4	PGK3	TCCAGACTGCCTTGGGAAAAGCGCCT	26	Depositor's primer

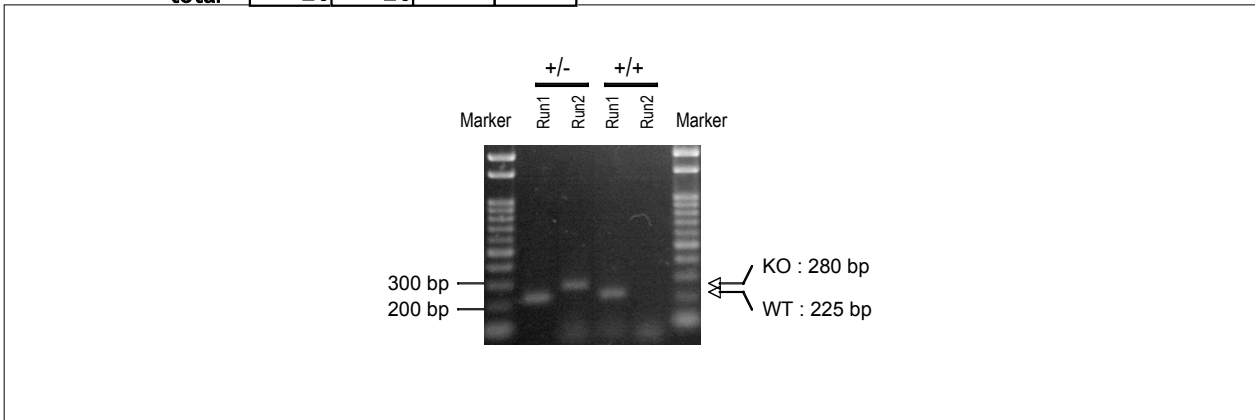
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		13.3	13.3		
PCR buffer	10 X	2.0	2.0		
dNTP	2.5 mM	1.6	1.6		
primer 1	10 pmol/μl	1.0	0		
primer 2	10 pmol/μl	1.0	0		
primer 3	10 pmol/μl	0	1.0		
primer 4	10 pmol/μl	0	1.0		
DNA		1.0	1.0		
Taq	5U/μl	0.1	0.1		
total		20	20		



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	225 bp	WT
primer 3	primer 4	280 bp	KO

Comment