

RBRC 02192

Strain name B6.129-Mapk14<tm1.2Otsu>

Primer	primer_name	primer_seq	length	
1	Ex2_Fw	AGTGCTGCTTTTGATACAAAGACGGG	26	RIKEN BRC
2	A4	AGCCAGGGCTATACAGAGAAAAACCCTGTG	30	Depositor's primer
3	A1(intron1_Fw)	CCACAGAAGAGATGGAGCTATATGGATCTC	30	Mol Cell Biol. 2004 December; 24(24):

Reaction Components

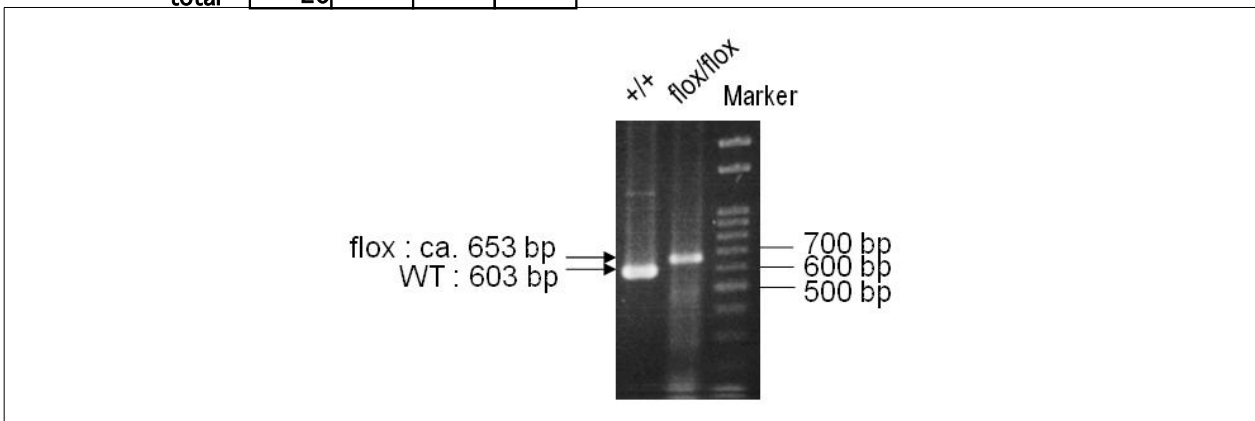
Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		12.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
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	5U/ μ l	0.1			
total		20			

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	

Standard PCR



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	603 bp	WT
primer 1	primer 2	653 bp	flox
primer 3	primer 2	? bp	null

Comment

RBRC 02192

Strain name B6.129-Mapk14<tm1.2Otsu>

Primer	primer_name	primer_seq	length	
1	A4	AGCCAGGGCTATACAGAGAAAAACCTGTG	30	Depositor's primer
2	A3	ATGAGATGCAGTACCCTTGAGACCAGAAG	30	Depositor's primer

Reaction Components

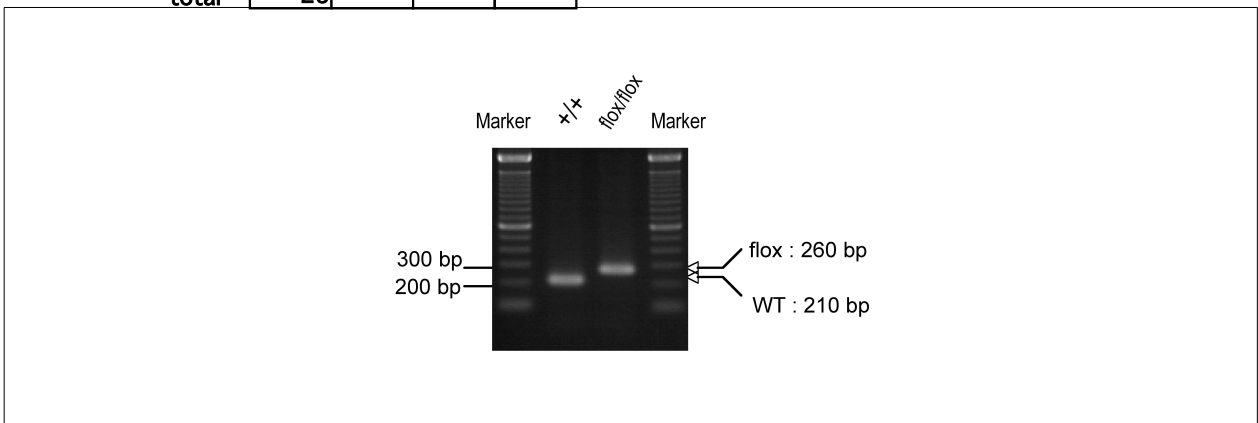
Enzyme

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		17.3			
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			
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	

Standard PCR



Marker
100 bp ladder (Invitrogen, Cat. 15628-050)

Gel
2% agarose in 1 X TAE (100 V, 30 min)

PCR products

primer_set	product_size	product
primer 1 primer 2	210 bp	WT
primer 1 primer 2	260 bp	flox

Comment