

RBRC 01387

Strain name NC^{lox/lox}[illegible]

Reaction Components

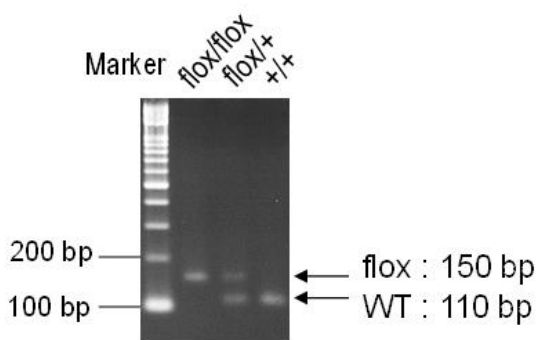
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

[illegible]

Reaction Conditions

[illegible]

Standard PCR



Marker

Gene Ladder 100 (Wako, Cat. 316-06951)

Gel

3% Nusieve in 0.5 X TBE (100 V,
60 min)

PCR products

primer_set		product_size	product
primer 1	primer 2	110 bp	WT
primer 1	primer 2	150 bp	flox

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

PCR protocol

Sheet ID PS_04201
Release date : 10.7.2011
Print date : 4/13/2015

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Primer	primer_name	primer_seq	length	
1	primer A	TCCTGCGCCTGGCAGTCAGC	20	Depositor's primer
2	primer B	TCCCCGAGCCCATGGATCGG	20	Depositor's primer

Reaction Components

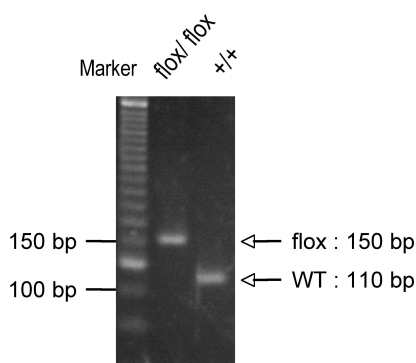
Enzyme Roche Taq (Cat. No. BM1418432)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		13.3			
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			
DNA		1.0			
Taq	5 U/ 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

25 bp DNA ladder (Invitrogen, Cat. 10597-011)

Gel

4% Nusieve in 0.5 X TBE (100 V, 60 min)

PCR products

primer_set		product_size	product
primer 1	primer 2	110 bp	WT
primer 1	primer 2	150 bp	flox

Comment