

PCR protocol

RBRC 02105 Strain name Mint floxed mouse

Primer	primer_name	primer_seq	length	
1	DY204	CGCCCTCAGGCCTCCACCACTTGCG	25	Genesis. 2007 May;45(5):300-6.
2	DY205	GCACAGTGCACAGATACTCACGC	23	Genesis. 2007 May;45(5):300-6.
3	DY206	TGGAGATGGAAAGAAGACAAAGG	23	Genesis. 2007 May;45(5):300-6.

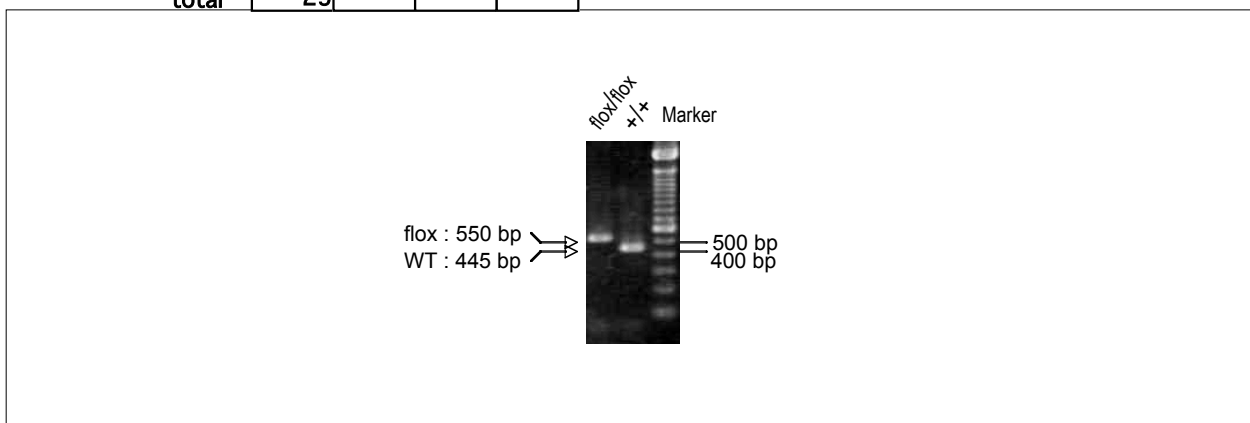
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

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 30 cycles
5	72	300	



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	445 bp	WT
primer 1 primer 2	550 bp	flox
primer 1 primer 3	>flox band	KO

Comment