

RBRC 04333

Strain name B6;B6129-Cyp26b1<tm2Hmd>

Primer	primer_name	primer_seq	length	
1	B1 flox1-For	CCTGTCCCATATTTATTCACTGAC	24	J. Cell. Sci., 125(Pt 7):1827-36 (2012).
2	B1 flox1-Rev	AAGTACACCTGGCAGAGATG	20	J. Cell. Sci., 125(Pt 7):1827-36 (2012).
3	B1 flox3-For (for null allele)	CTCCTCTTAAAGCTTCTCTA	20	J. Cell. Sci., 125(Pt 7):1827-36 (2012).

Reaction Components

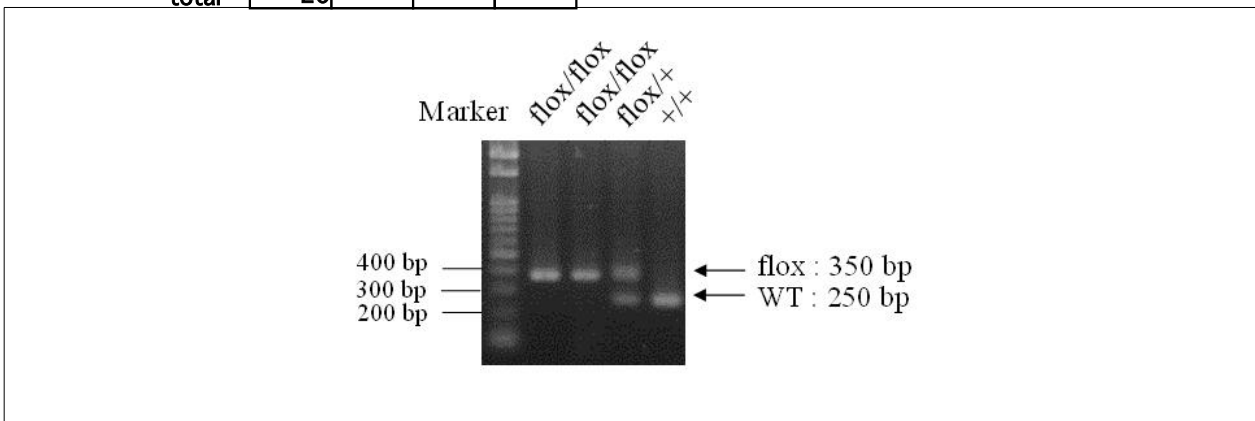
Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

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		product_size	product
primer 1	primer 2		
primer 1	primer 2	250 bp	WT
primer 1	primer 2	350 bp	flox
primer 3	primer 2	500 bp	KO

Comment

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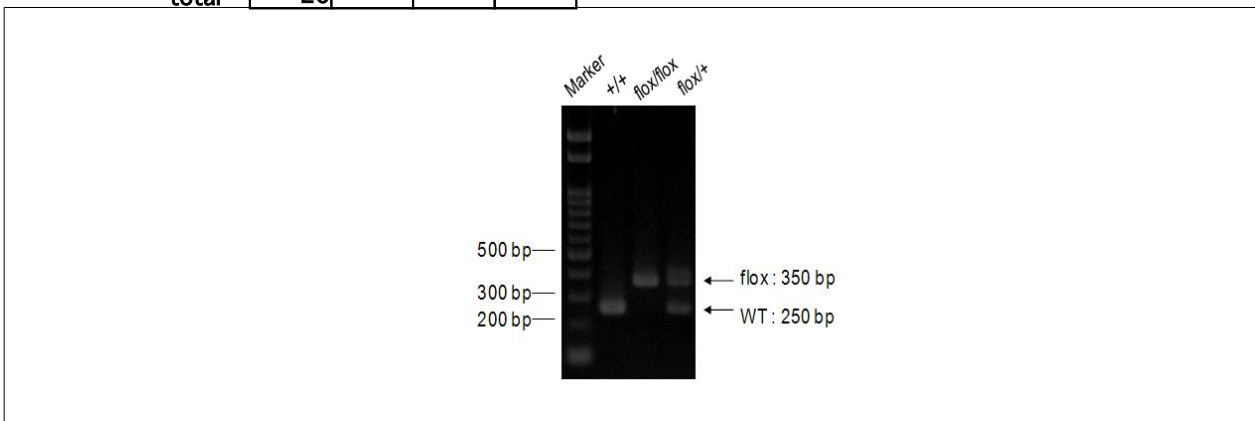
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