

PCR protocol

RBRC 02236

Strain name STOCK Canx<tm20sb>

Primer	primer_name	primer_seq	length
1	1072	GCTCTGGATGCCTTGGGATTTGATTTC	28
2	1074	GGATTTAGTGGATATCCCCAGTATGAGC	28

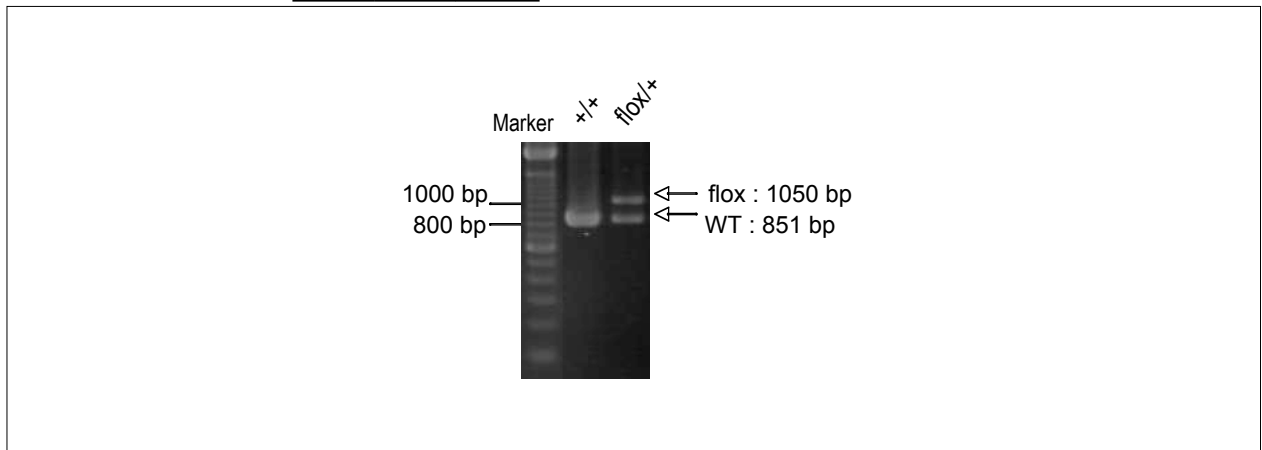
Reaction Components

Enzyme	TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)
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Reaction Conditions

	Conc	Run 1	Run 2	Run 3
H2O		4.8		
PCR buffer	2X GC I	10.0		
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		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	


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	851 bp	wild
primer 1 primer 2	1050 bp	flox

Comment