

RBRC 10972

Strain name B6.Cg-Serpinh1<tm2Kzn>

Primer	primer_name	primer_seq	length	Reference
1	Hsp47_LoxP_For1	GAGTGGGCTGAGCCCTCTCAAGAAAATCC	29	Depositor's primer
2	Hsp47_LoxP_Rev1	CTTCGGTCAGGCCAGTCCTGCCAGATG	28	Depositor's primer

Reaction Components

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

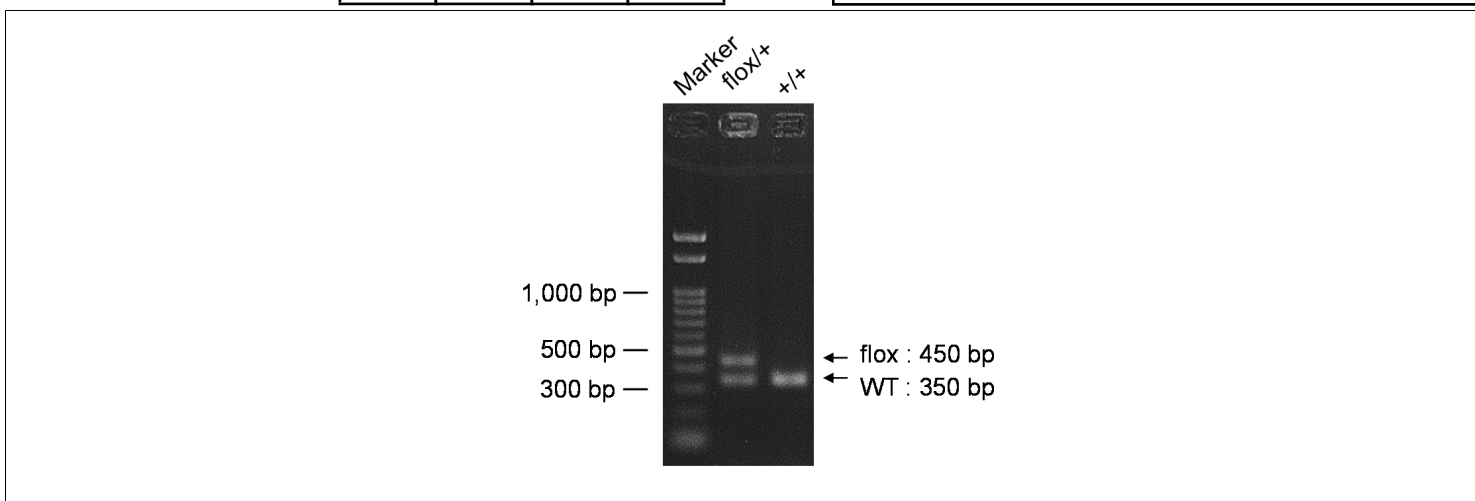
Reagent	Conc	Reaction 1	2	3	4
H2O		2.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	0.2			
total		20			

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	60*	*Repeat for 30 cycles

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

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



primer_set	product_size	product (allele type)
primer 1	primer 2	343 bp WT
primer 1	primer 2	450 bp flox

+/+ (wild-type): 343 bp
flox/+ (heterozygous): 343 bp and 450 bp

Comment Standard PCR

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