

PCR protocol

RBRC 04753

Strain name B6;129S4(Cg)-Socs1 <tm1Ayo>

Primer	primer_name	primer_seq	length	
1	S1-a2	AGGTGAGCCAAGGCAGCTGCGAGGGAGCA	29	Depositor's primer
2	S1-b3	CCGCCTACTGGCCACGCCGGGGACTGGAA	29	Depositor's primer

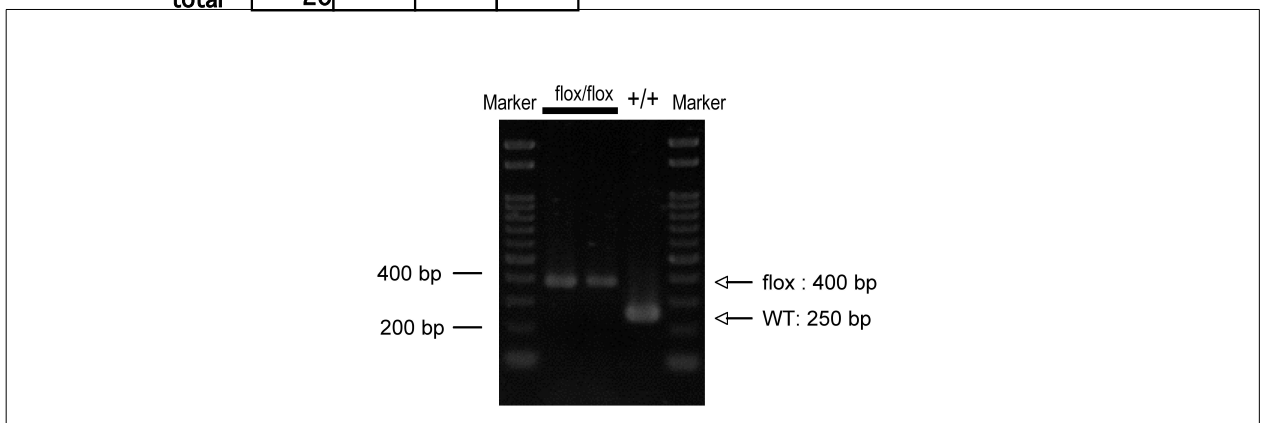
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		5.3			
PCR buffer	2 X GC I	10.0			
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	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	



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

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

PCR products

primer_set	product_size	product
primer 1, primer 2	250 bp	WT
primer 1, primer 2	400 bp	flox

Comment