PCR protocol

BRC_No 01733 **Strain name** Platelet-activating factor receptor (PAF) knockout mouse

Primer

	primer_name	primer_seq	length	
1	mPAFR208F	CTCCCACTGTGGATTGTCTACTACT	25	
2	mPAFR608R	AAGATAAGGAAGAAGACGAGGAAGA	25	
3	New Neo-1	CTATCAGGACATAGCGTTGGCTAC	24	

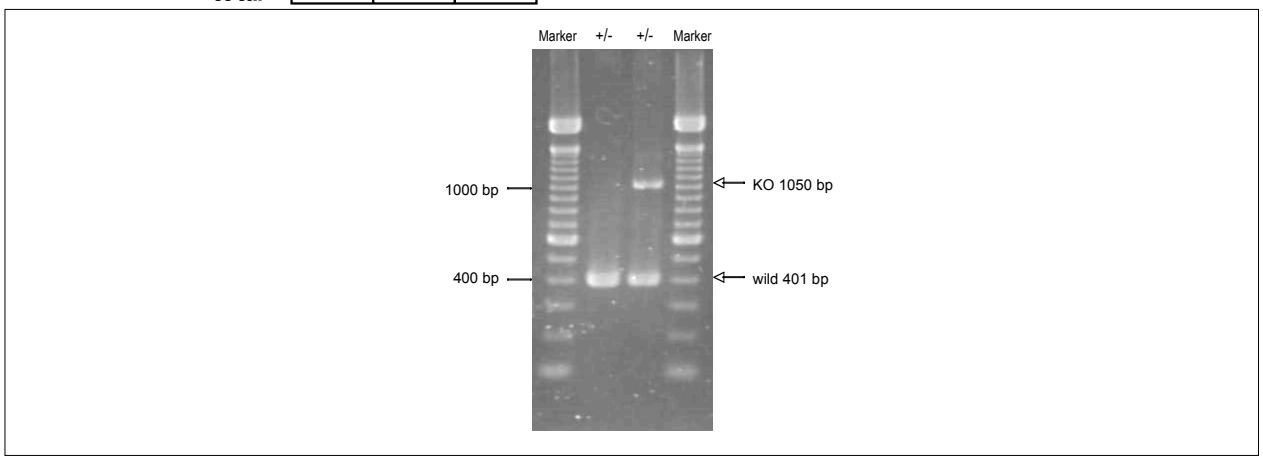
Reaction Components

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

	Conc	Run 1	Run 2	Run 3
H2O		3.8		
PCR buffer	2 X	10.0		
dNTP	2.5 mM	2.0		
primer 1	10 pmol/μl	1.0		
primer 2	10 pmol/μl	1.0		
primer 3	10 pmol/μl	1.0		
DNA		1.0		
Taq		0.2		
	total	20		

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	180	
2	94	30*	
3	56	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, 35 min)

PCR products

primer_set		product_size	product
primer 1	primer 2	401 bp	wild
primer 2	primer 3	1050 bp	KO

Comment