PCR protocol

Sheet ID PS_01038
Release date : 09/24/2012
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RBRC 02110 **Strain name** Plexin-A3 -flox mouse

Primer	primer_name	primer_seq	length		
1	P1	GACAGTGGAGATATGTTCAGTCTGG	25		Depositor's primer
2	P2	GAGACAAACTCATCCTGGTACACCTGG	27		Depositor's primer
3	P3	TACCCGTGATATTGCTGAAGAGCTTGG	27		Depositor's primer

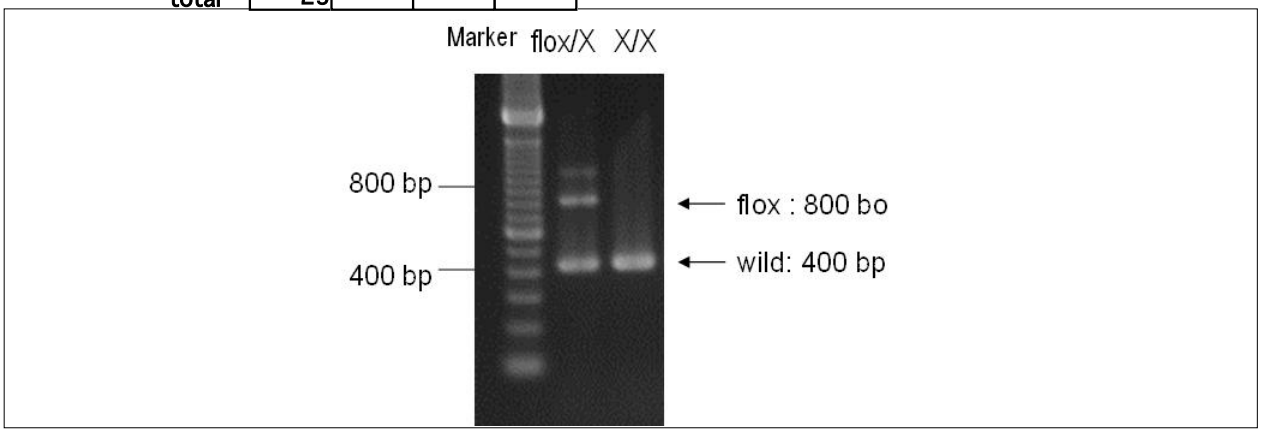
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		16.3			
PCR buffer	10 X	2.5			
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	25			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	180	
2	94	30	*
3	60	30	*
4	72	60	* *Repeat for 35 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	400 bp	WT
primer 2	primer 3	800 bp	flox

Comment