RIKEN BRC

BRC_No 01000 **Strain name** Fyn Targeting mice

Primer

	primer_name	primer_seq	length	
1	AGN0	TGATATTGCTGAAGAGCTTGG	21	neo
2	F0	ctgagttttcacaaaggagaa	21	
3	FAP0	tgcacacttaagaagtaggct	21	

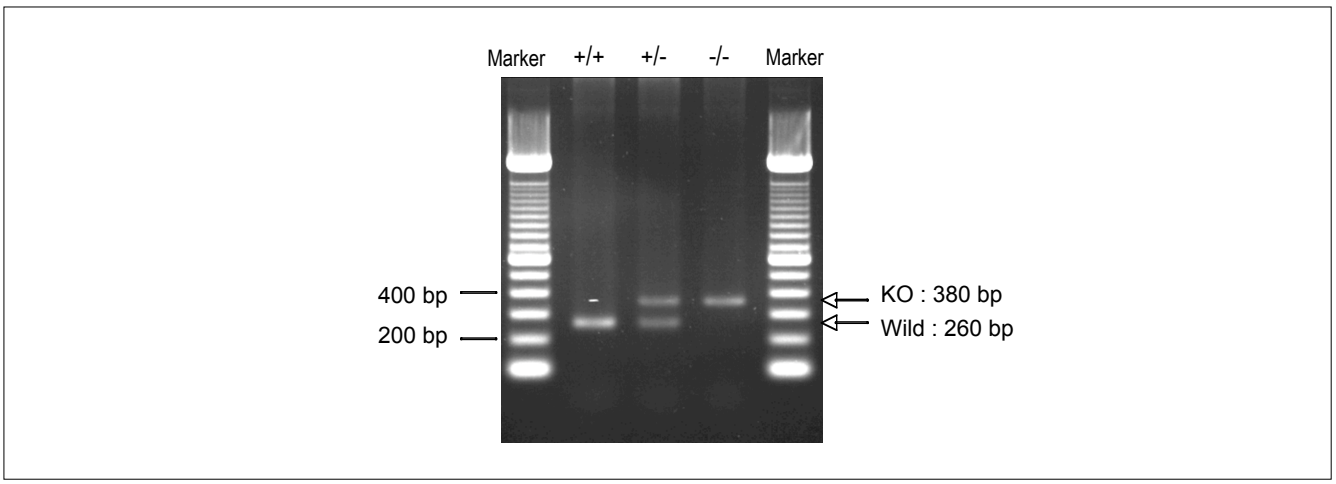
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3
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	95	300	
2	95	30	*
3	55	30	*
4	72	90	* *Repeat for 25 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 3	380 bp	KO
primer 2	primer 3	260 bp	wild

Comment