RIKEN BRC

BRC_No 00901 **Strain name** AID-KO (BALB/c 10回backcross)

Primer

	primer_name	primer_seq	length		
1	G3	GGGCCAGCTCATTCCTCCACTC	22	neo	
2	AID-R1	CCAGGCTTTGAAAGTTCTTTCACG	24		
3	175	GGTCCCAGTCTGAGATGTAGCGTAGG	26		
4	227	CAACGTGGCGTCCAAACAGGCACTTCCG	28		

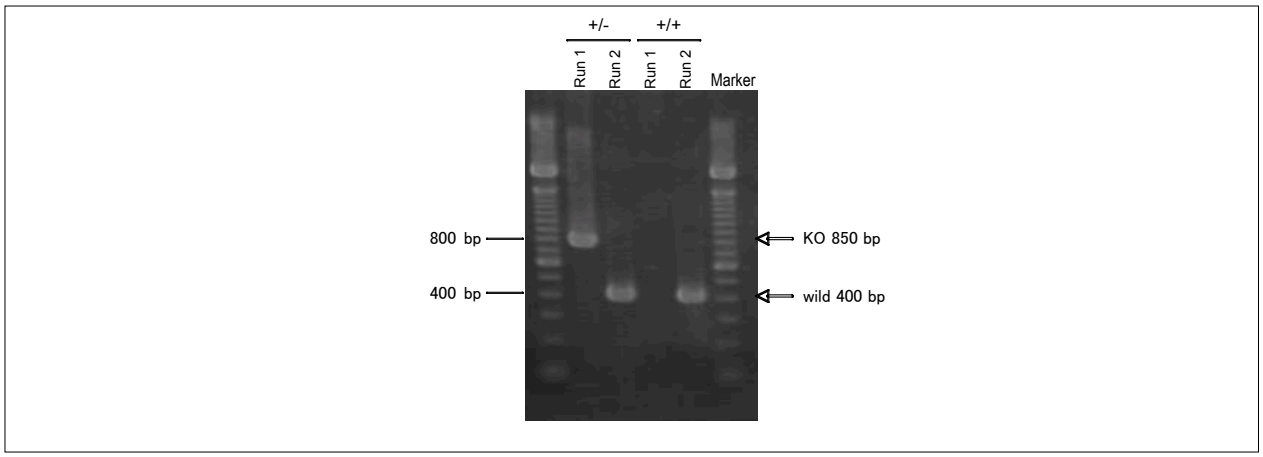
Reaction Components

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

	Conc	Run 1	Run 2	Run 3
H2O		4.8	4.8	
PCR buffer	2 X	10.0	10.0	
dNTP	2.5 mM	2.0	2.0	
primer 1	10 pmol/μl	1.0	0	
primer 2	10 pmol/μl	1.0	0	
primer 3	10 pmol/μl	0	1.0	
primer 4	10 pmol/μl	0	1.0	
DNA		1.0	1.0	
Taq		0.2	0.2	
	total	20	20	

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	300	
2	94	30	*
3	60	30	*
4	72	90	* *Repeat for 32 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	850 bp	KO
primer 3	primer 4	400 bp	wild

Comment