RIKEN BRC

BRC_No 00807 **Strain name** Xpg/2 Knockout mice

Primer

	primer_name	primer_seq	length	
1	TV2FD	TGGTGACAGGGAAACGAACC	20	
2	TV2R4	AGAGCCAAGTACACTGAGAAG	21	

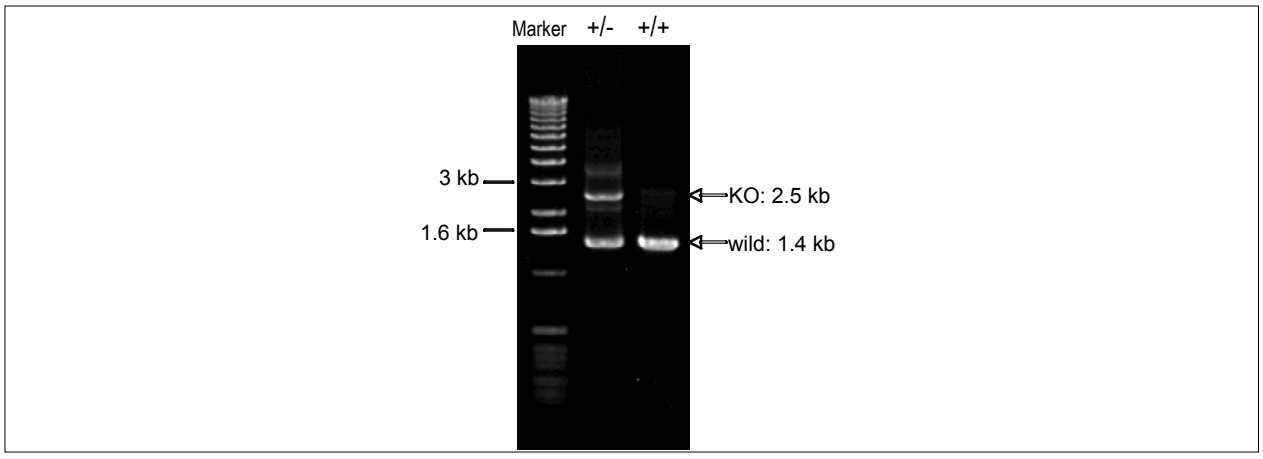
Reaction Components

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

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

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	300	
2	94	30	*
3	62	30	*
4	72	300	* *Repeat for 30 cycles
5	72	600	



Marker

1 kb plus DNA ladder (Invitrogen, Cat. 10787-026)

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 2	2.5 kb	mutant
primer 1	primer 2	1.4 kb	wild

Comment