RIKEN BRC

Jan. 13, 2006

BRC_No 00302 **Strain name** RKO-3

Primer

	primer_name	primer_seq	length	
1	LCB1070 (R4)	CTCTGGCGAATGGCTTTACTTTAG	24	
2	LCB1071 (R6)	GGGAAACTGAGTCAGATACTTTCTTCC	27	

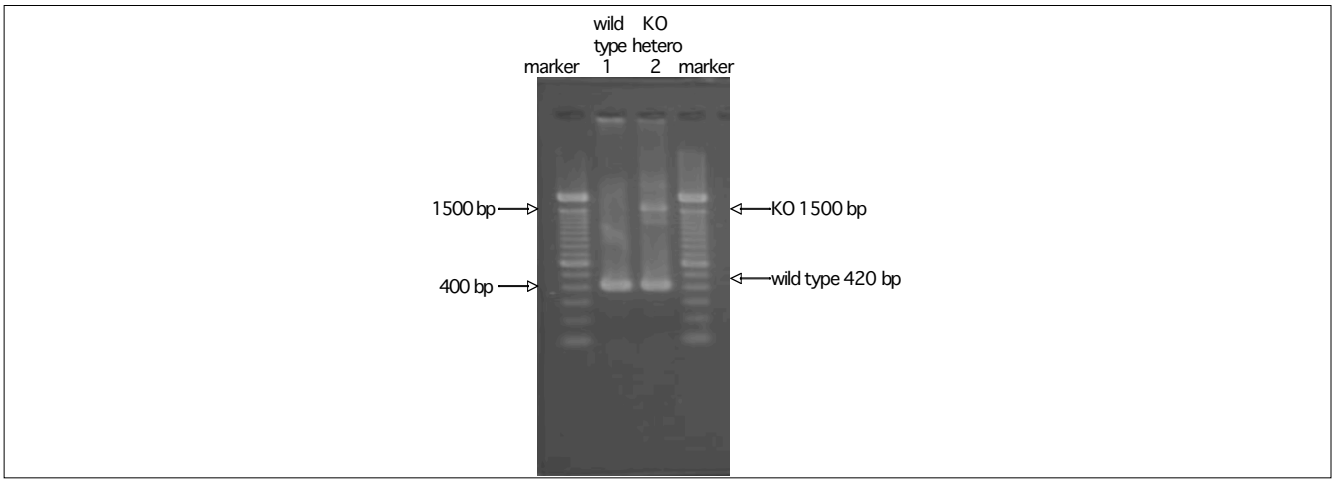
Reaction Components

Enzyme TaKaRa LA Taq

	Conc	Run 1	Run 2	Run 3
H2O		4.8		
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		
DNA		1.0		
Taq		0.2		
	total	20		

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	300	
2	94	60	*
3	60	60	*
4	72	120	* *Repeat for 38 cycles
5	72	300	



Marker

100 bp DNA Ladder (TOYOBO, Cat. DNA-030)

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 2	1500 bp	KO
primer 1	primer 2	420 bp	wild

Comment