RIKEN BRC

Dec. 27, 2005

BRC_No 01479 **Strain name** PEBP2 β/CBF β KO

Primer

	primer_name	primer_seq	length	
1	primer 1	agctctgctgcaaaccccgagtctg	25	
2	primer 2	acggggttggccttaggattccgtg	25	
3	primer 3	aagggccagctcattcctcccactc	25	neo

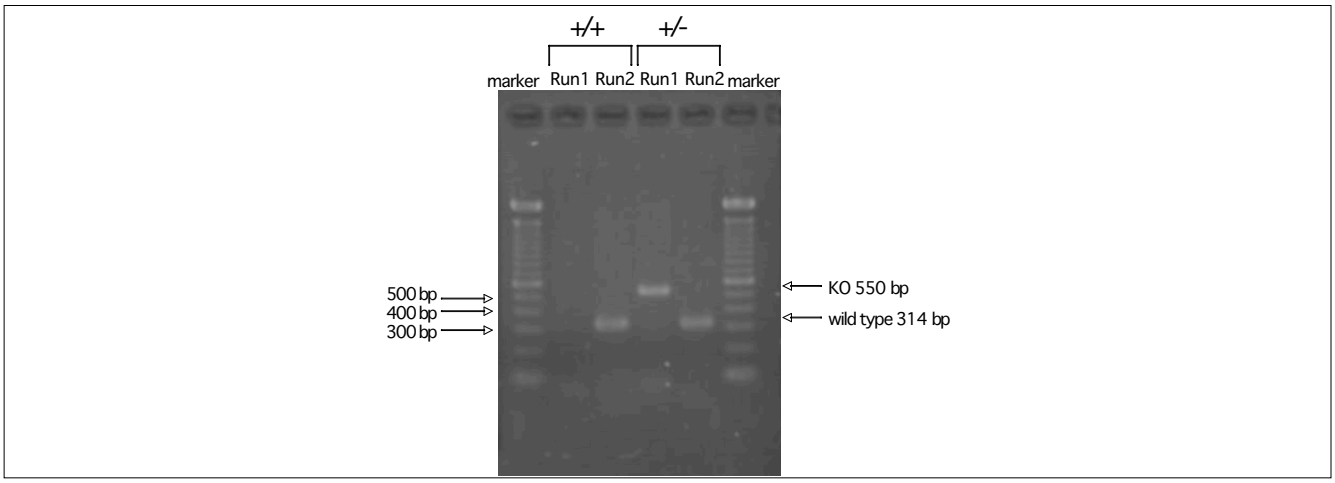
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

	Conc	Run 1	Run 2	Run 3
H2O		17.3	17.3	
PCR buffer	10 X	2.5	2.5	
dNTP	2.5 mM	2.0	2.0	
primer 1	10 pmol/μl	1.0	1.0	
primer 2	10 pmol/μl	0	1.0	
primer 3	10 pmol/μl	1.0	0	
DNA	10 pmol/μl	1.0	1.0	
Taq		0.2	0.2	
	total	25	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 3	550 bp	KO
primer 1	primer 2	314 bp	wild

Comment