RIKEN BRC

BRC_No 00467 **Strain name** Clk-1 Knockout mice

Primer

	primer_name	primer_seq	length	
1	p1	TCAGGAATGTCAGTGTCCTGTGTGG	25	
2	p2	GGCATCAAAACCGTAGGTCG	20	
3	p3 Neo	CGCCAAGCTCTTCAGCAATATCACG	25	neo

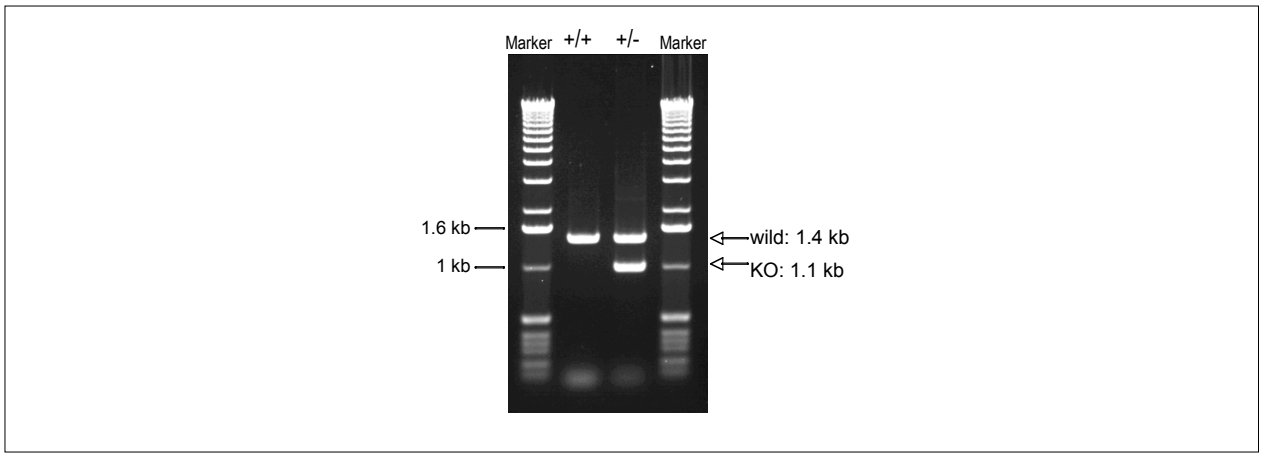
Reaction Components

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

	Conc	Run 1	Run 2	Run 3
H2O		3.8		
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		
primer 3	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	55	30	*
4	72	180	* *Repeat for 25 cycles
5	72	300	



Marker

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

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 3	1.1 kb	KO
primer 1	primer 2	1.4 kb	wild

Comment