

PCR protocol

RBRC 00805

Strain name Hox C cluster Knockout mice

Primer	primer_name	primer_seq	length	
1		CGCTCTGGGAGTGGTCTTCAGAAAG	24	RIKEN BRC
2		gtgctacgatctgttatgtatgtg	24	RIKEN BRC
3	primer 5	ACTGAGTGGGTGGAGACTGAAGTTAGGCC	29	

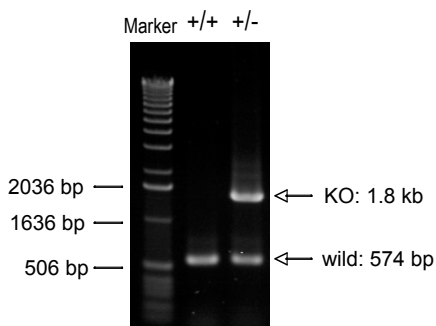
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.8			
PCR buffer	10 X	10.0			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq		0.2			
total		20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	120*	*Repeat for 30 cycles
5	72	300	



Marker

1 kb DNA ladder (Invitrogen, Cat. 15615-024)

Gel

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

PCR products

primer_set	product_size	product
primer 1	574 bp	WT
primer 1	1.8 kb	KO

Comment