

PCR protocol

RBRC 00843

Strain name c-Maf/2 KO

Primer	primer_name	primer_seq	length	
1	00843_Fw	CATGTGAGTGTGACACGCGATC	22	RIKEN BRC
2	c-Maf_Rv	CTACATGAAGTATGCTGCTCAG	22	RIKEN BRC
3	Neo_dn	GCTCTTCGTCCAGATCATCC	20	Depositor's primer

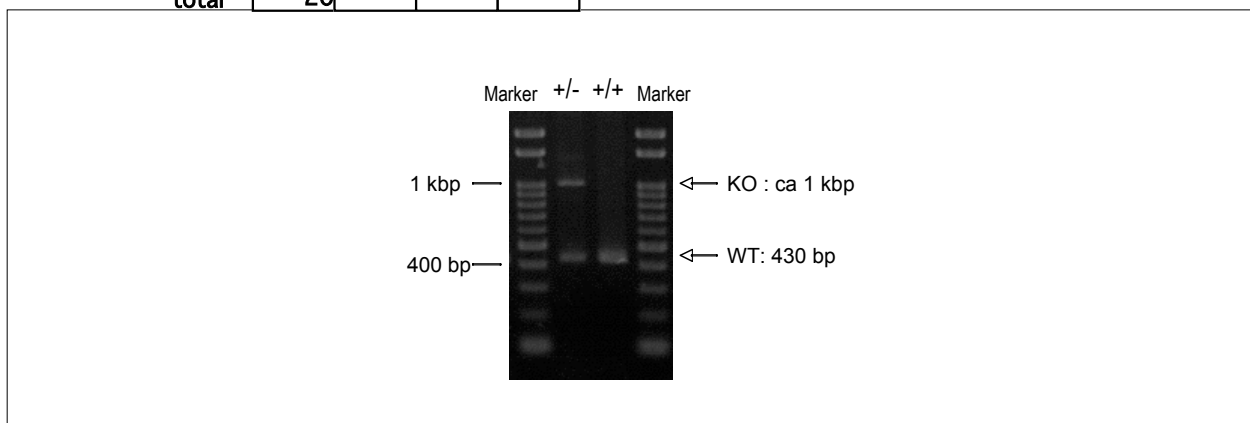
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		4.3			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	1.6			
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		0.1			
total		20			

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


Marker

Gene Ladder 100 (Wako, Cat. 316-06951)

Gel

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

PCR products

primer_set	product_size	product
primer 1	430 bp	WT
primer 2	ca 1 kbp	KO

Comment