

RBRC 01457 Strain name G9a knockout mouse

Primer	primer_name	primer_seq	length	
1	EX14F	CAGGACAGTGGGGGCTGGACGCCCATCATC	30	Depositor's primer
2	EX16R	CCGGCAGATGATCTTCTCGGTGCGGACAGC	30	Depositor's primer
3		ACAACGTCGAGCACAGCTGCGCAAGG	26	Nature, 441, 885-889(2006).

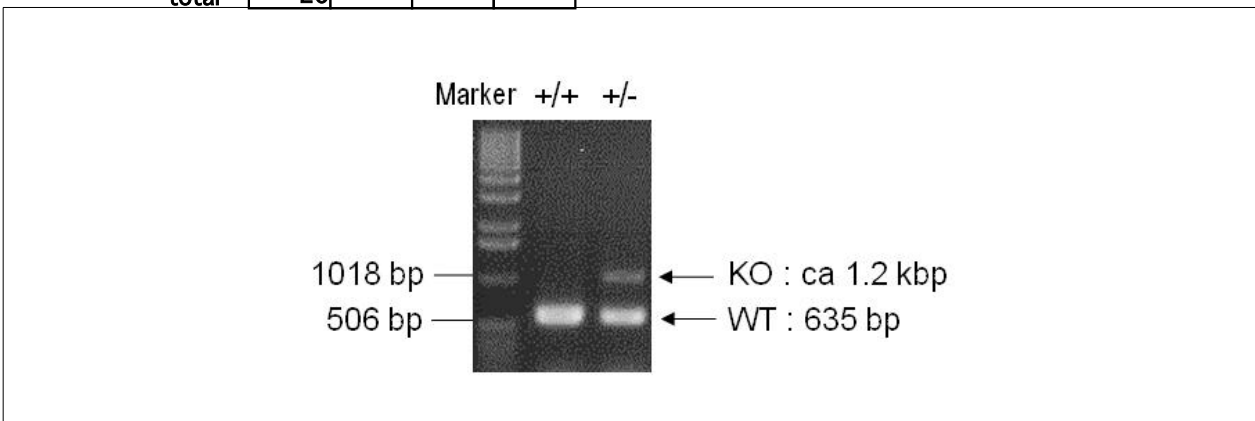
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.8			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/μl	0.5			
primer 2	10 pmol/μl	2.0			
primer 3	10 pmol/μl	2.0			
DNA		1.0			
Taq		0.1			
total		20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	65	30*	
4	72	90*	*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	primer 2	635 bp	WT
primer 2	primer 3	ca 1.2 kb	KO

Comment