PCR protocol

RBRC 02821 **Strain name** B6;129-Gab2<tm1Thir>

Primer

	primer_name	primer_seq	length		
1	Gab2 401U	AATGTAGACAGTCAGTGCCTAGAGGGTCCA	30		Depositor's primer
2	Gab2 803L	CATGTATCATGACATTTGTGCTCCACCA	28		Depositor's primer
3	Gab2 666L	CAGCAGCCTCTGTTCCACATACACTTCAT	29		Depositor's primer

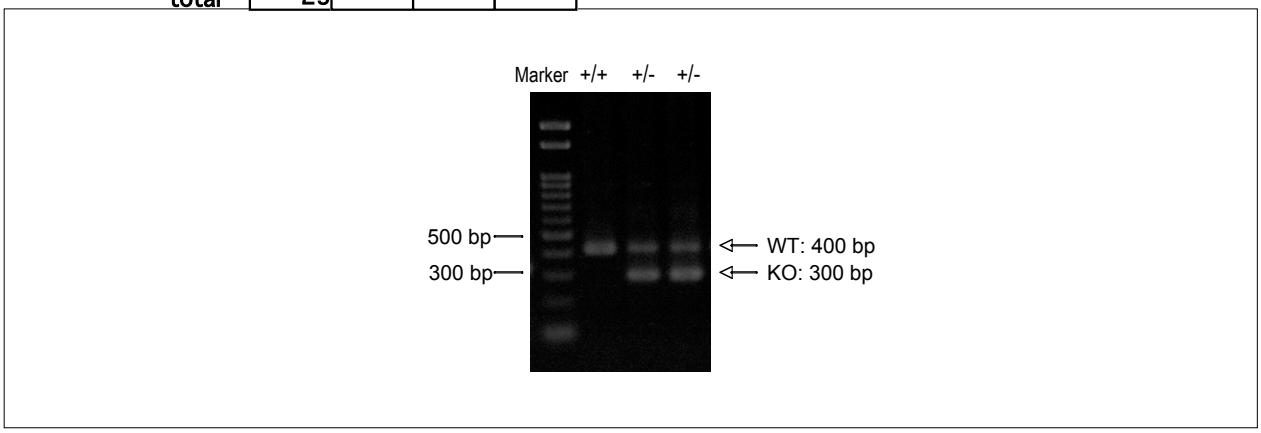
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		16.3			
PCR buffer	10 X	2.5			
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	25			

Reaction Conditions

step	temp (℃)	time (sec)		note
1	94	180		
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	primer 2	400 bp	WT
primer 1	primer 3	300 bp	KO

Comment