

PCR protocol

RBRC 02591

Strain name GIT2(-) (Acc. No. CDB0414K)

Primer	primer_name	primer_seq	length	
1	Check-S1	TGCAGGGTCATTGGAGAGTGAATGAGGCTA	30	Depositor's primer
2	Check-A1	GGTTTGAGCAAGAGAACTCATCGGTCCAAG	30	Depositor's primer
3	Neo	CTCGTGCTTTACGGTATCGCC	21	Depositor's primer

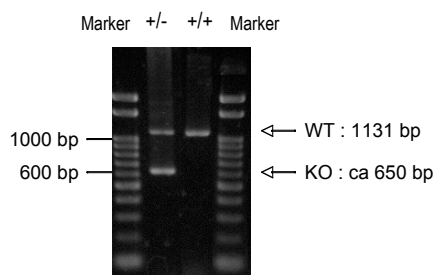
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.9			
PCR buffer	2 X GC I	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	5U/ μ l	0.1			
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

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	1131 bp	WT
primer 2	primer 3	ca 650 bp	KO

Comment