

PCR protocol

RBRC 02316

Strain name B6.Cg-Ndn<tm1Ky>

Primer	primer_name	primer_seq	length	
1	Typing F	CGCAGACATGTCCGAACAAAG	21	Depositor's primer
2	Typing wt-R	GAGGTTAGCGGCCAGAGAAG	20	Depositor's primer
3	Neo10	ATCAGAGCAGCCGATTGTCTGTTG	24	Depositor's primer

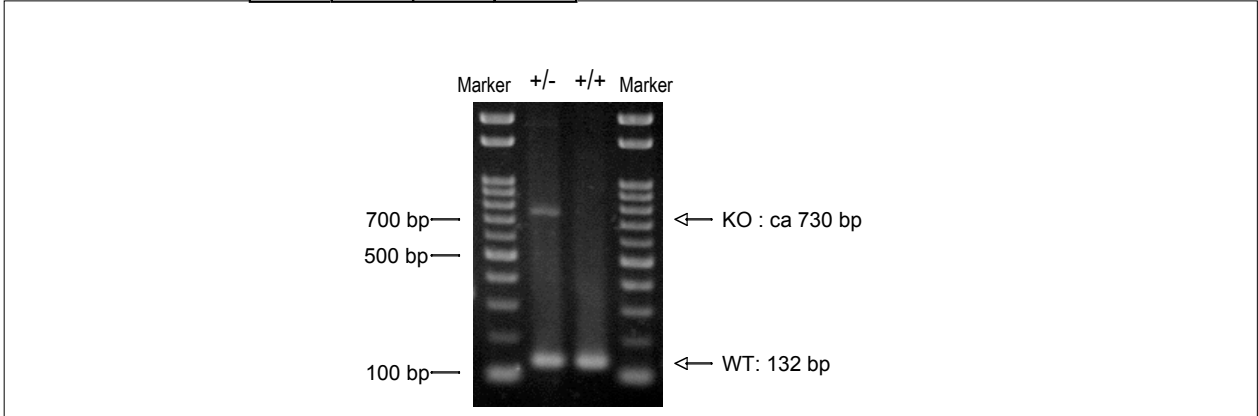
Reaction Components

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

Reaction Conditions

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

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.8			
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		0.2			
total		20			


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	132 bp	WT
primer 1 primer 3	ca 730 bp	KO

Comment