

RBRC 02227 Strain name Δ -neo-Ripply2-KO

Primer	primer_name	primer_seq	length	
1	D4-F5	AATCCATCCCTCCTAACC	20	Depositor's primer
2	D4-LOX-LA-R	GGTACTCGAGGTCAATCCG	20	Depositor's primer
3	D4-R5	GCTCTCGGTGGTATCCATGG	20	Depositor's primer

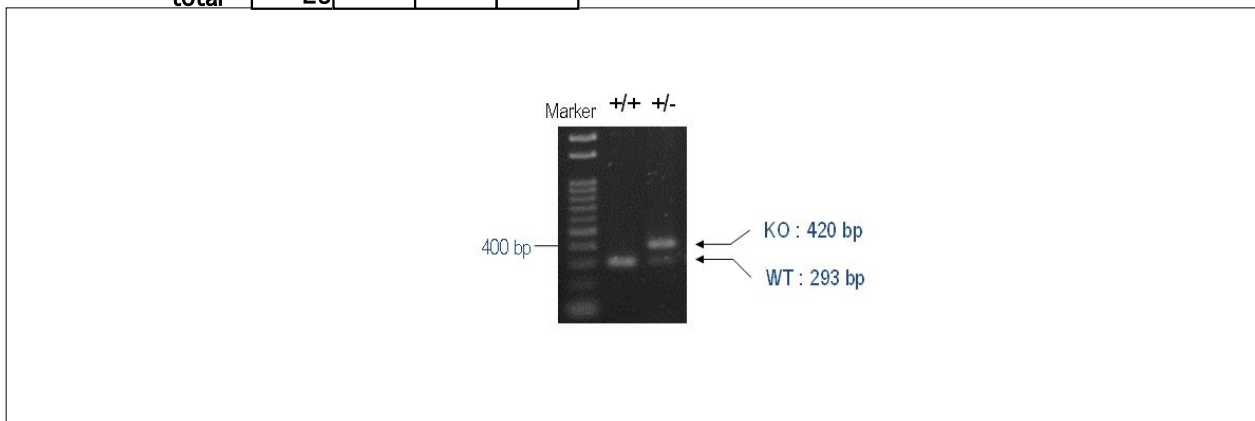
Reaction Components

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/ 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		25			

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	



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 3	293 bp	WT
primer 1	primer 2	420 bp	KO

Comment