

PCR protocol

RBRC 01751

Strain name Δ neo- Δ Exon-SemaCap3

Primer	primer_name	primer_seq	length	
1	Cap3-SA-RV	GGAGATGTTTAAATTCAAGGAGGCTATCAC	30	Depositor's primer
2	Cap3-LA-F3	TCTGGCCTGTCCCATCCAGACAGCTGGAG	29	Depositor's primer

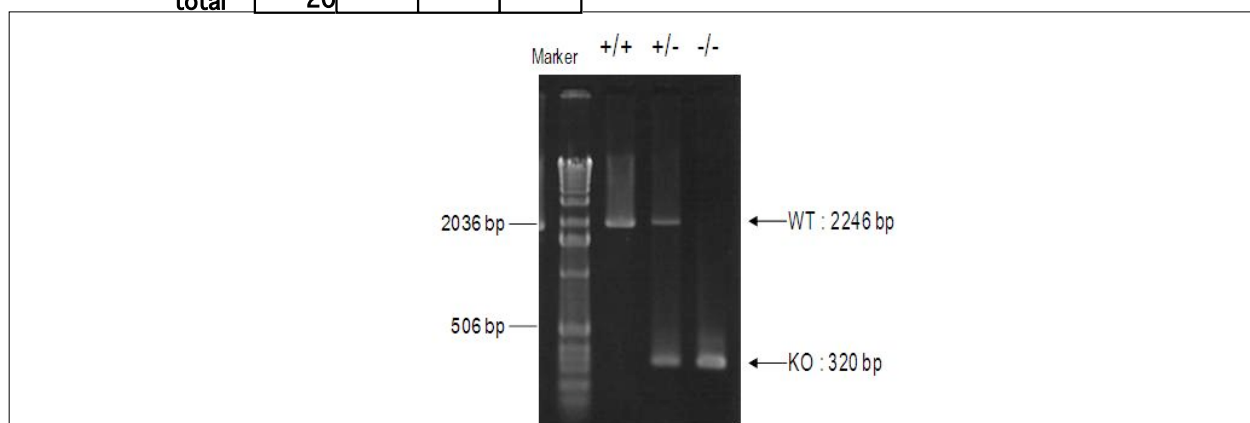
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		4.8			
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			
DNA		1.0			
Taq		0.2			
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

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	320 bp	KO
primer 1	2246 bp	WT

Comment