

PCR protocol

RBRC 02374

Strain name B6.129S4-Cav3<tm1Ncp>

Primer	primer_name	primer_seq	length
1	CAVR1	AGGACCAACCGAATCTTCTG	20
2	CAVF1	ATTCTGTTCGCCTGTATC	19
3	Neo10	ATCAGAGCAGCCGATTGTCTGTTG	24

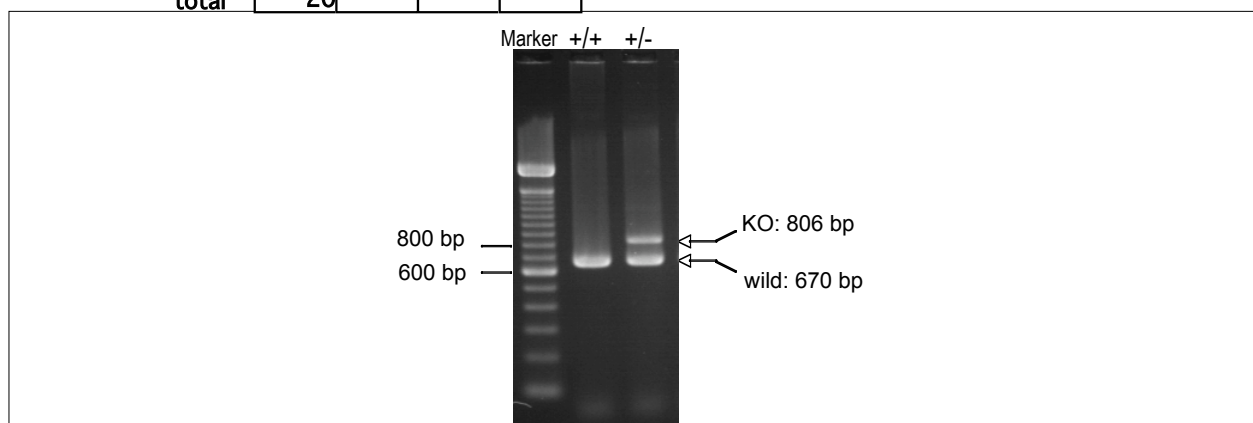
Reaction Components

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

Reaction Conditions

Conc	Run 1	Run 2	Run 3	Run 4
H2O	3.8			
PCR buffer	2 X GC I 10.0			
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	20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	55	30*	
4	72	60*	*Repeat for 33 cycles
5	72	300	



Marker
100 bp ladder (Invitrogen, Cat. 15628-050)

Gel
2% agarose in 1 X TAE (100 V, 30 min)

PCR products		product_size	product
primer_set	primer_set		
primer 1	primer 2	670 bp	wild
primer 1	primer 3	806 bp	KO

Comment