

RBRC 02825

Strain name C.129S2-Ramp1<tm1.1Tsuj>

Primer	primer_name	primer_seq	length	Reference
1	F1	CAGAATGGAGAACTGAGTAGAGC	24	Depositor's primer
2	R1	AGGAAGGAACGTAACACAGGTGG	23	Depositor's primer
3	R2	GCTGTGCGTGGTGATGGAGG	20	Depositor's primer

Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reagent	Conc	Reaction 1	2	3	4
H2O		12.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
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		0.1			
total		20			

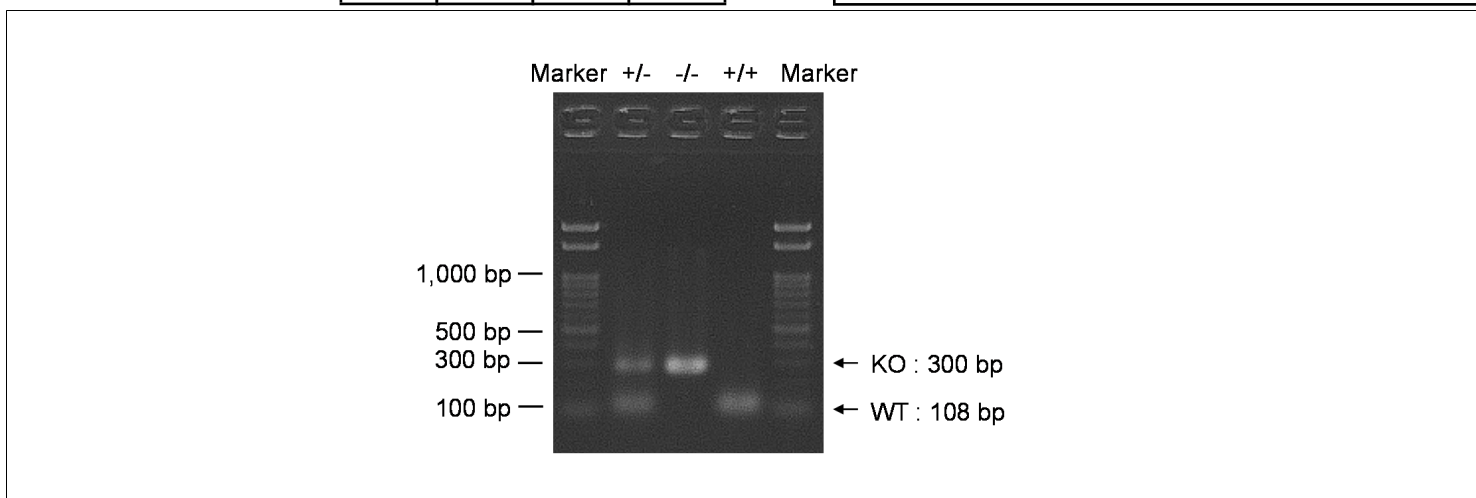
(μL)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	30*	*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)



primer_set	product_size	product (allele type)
primer 1	primer 2	108 bp WT
primer 1	primer 3	300 bp KO

Comment Standard PCR