



PCR protocol

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RBRC 02083

Strain name B6.Cg-Pcdha<tm8Tyag>/TyagRbrc

Primer	primer_name	primer_seq	length	Reference
1	GRv11 F1	GAGAGACATTTTGGAGGCCG	20	Depositor's primer
2	GRv11 MutantR3	GGGGAAGCTCTGCTTGAAGA	20	Depositor's primer
3	GRv11 WildR3	CCGTGGCGTTCAACGTTATG	20	Depositor's primer

Reaction Components

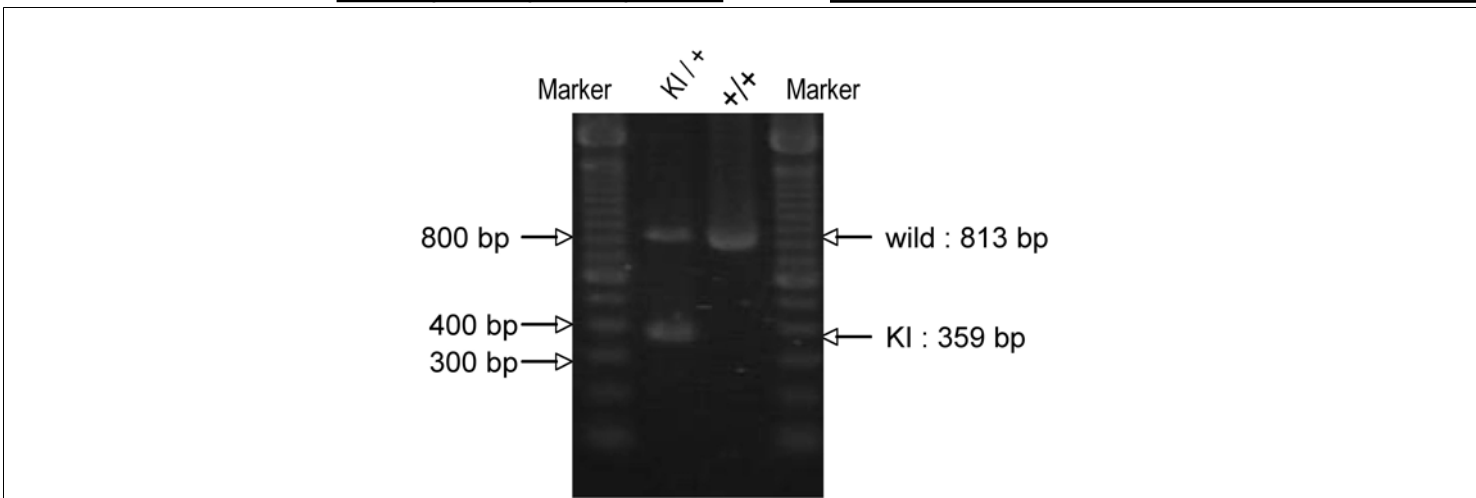
Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		16.3				
PCR buffer	10 X	2.5				
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		25				

Reaction Conditions

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

Marker 100 bp ladder (Invitrogen, Cat. 15628-050)
Gel 2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1 / primer 3	813 bp	WT
primer 1 / primer 2	359 bp	KI

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