PCR protocol

Sheet ID PS_03706
Release date : 5/9/2022
Print date : 5/9/2022

RBRC 04285

Strain name B6.Cg-Pcdha<tm(HS5-1/del)>/TyagRbrc

Primer	primer_name	primer_seq	length		Reference
1	HS5-1A	CACTGGCTGCTTCCAGATTTG	21		Depositor's primer
2	HS5-1B	GGAATATCTCCTCTGCATGTGAGC	24		Depositor's primer
3	HS5-1D	CCTATTACAGATTATGGTGGCTTTCC	26		Depositor's primer

Reaction Components

Enzyme: TaKaRa Ex Taq (Cat. No. RR001A)

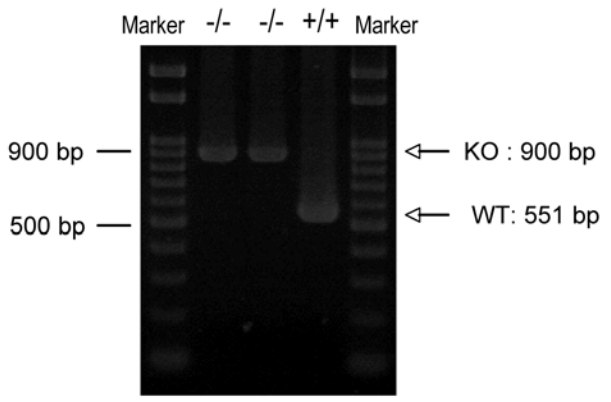
Reagent	Conc	Reaction 1	2	3	4	
H2O		12.3				(μL)
PCR buffer	10 X	2.0				
dNTP	2.5 mM	1.6				
primer 1	10 pmol/μl	1.0				
primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	1.0				
DNA		1.0				
	5 U/μl	0.1				
	total	20				

Reaction Conditions

step	temp (℃)	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)



primer_set		product_size	product (allele type)
primer 1	primer 2	551 bp	WT
primer 1	primer 3	900 bp	KO

Comment Standard PCR