PCR protocol

Sheet ID PS_08516
Release date : 8/8/2023
Print date : 8/8/2023

RBRC 11670 **Strain name** C57BL/6J-Rassf6<em1Kymt>

Primer	primer_name	primer_seq	length		Reference
1	3-PCR-F	GTTCATGCCCTTCATTTGTCCC	22		Depositor's primer
2	3-PCR-R	CCATCATACCTGGGTAGGTTTTCC	24		Depositor's primer
3	5-PCR-F	TGCAAAGGTGCTGGCAGAAA	20		Depositor's primer

Reaction Components

Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reagent	Conc	Reaction 1	2	3	4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
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	1 U/μl	0.2			
	total	20			

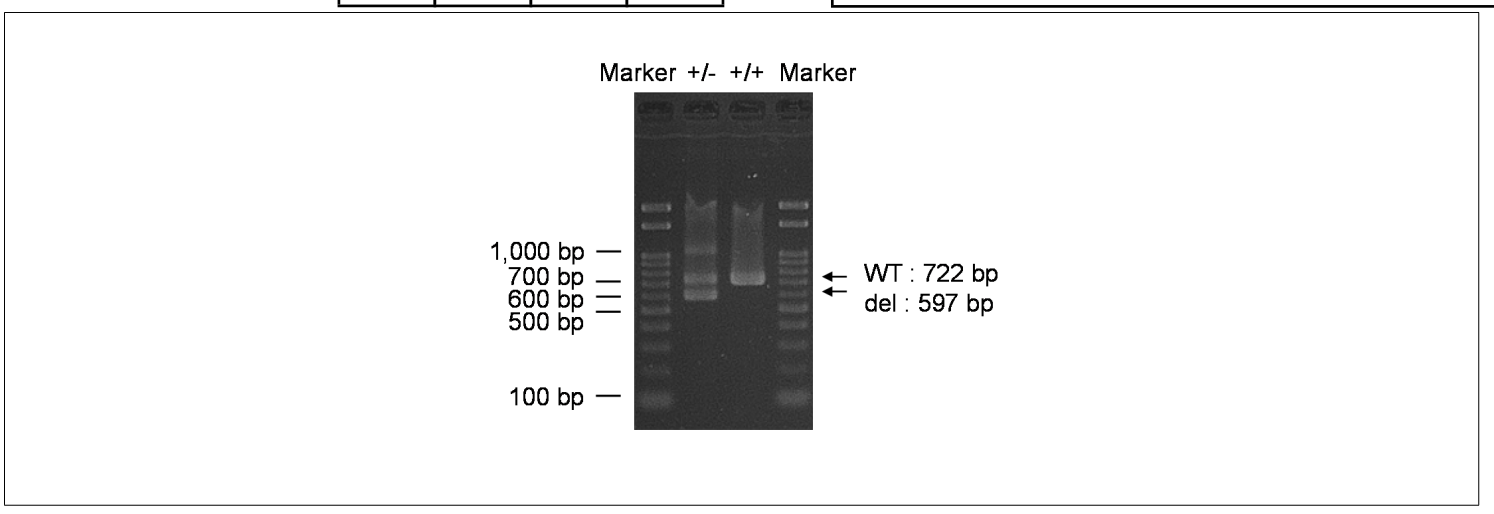
(μL)

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	120	
2	98	10	*
3	60	30	*
4	68	60	* *Repeat for 30 cycles

Marker Gene Ladder 100 (Wako, Cat. 316-06951)

Gel 2% agarose in 1 X TAE (100 V, 40 min)



primer_set		product_size	product (allele type)
primer 1	primer 2	722 bp	WT
primer 2	primer 3	597 bp	del

Comment

Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.