



Sheet ID PS_08007
Release date : 4/15/2020
Print date : 4/15/2020

Strain name C57BL/6-Shh^{<tm1Tshir>}/Ms

[illegible]

Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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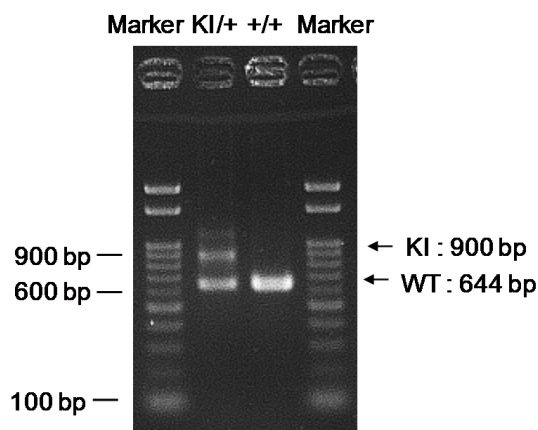
Reagent	Conc	Reaction 1	2	3	4	
H ₂ O		1.8				(μL)
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
primer 1	10 pmol/ μl	1.0				
primer 2	10 pmol/ μl	1.0				
primer 3	10 pmol/ μl	1.0				
DNA		1.0				
Taq	1 U/ μl	0.2				
						Mark
						Gel
	total	20				

step	temp (°C)	time (sec)	note
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[illegible]

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

Gel	2% agarose in 1 X TAE (100 V, 30 min)
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primer_set		product_size	product (allele type)	
primer 1	primer 2	644 bp	WT	+/+ (wild-type): 644 bp KI/+ (heterozygous): 644 bp and 900 bp KI/KI (homozygous): 900 bp
primer 1	primer 3	900 bp	KI	

Comment Standard PCR

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