

RBRC 10144

Strain name B6;Cg-Tppp3<tm2(cre/ERT2)Yasu>

Primer	primer_name	primer_seq	length	Reference
1	SK363	CAGTAAGTATACGGGCTCCCAC	22	Depositor's primer
2	SK364	ACACAGCAGTCTGGGTCAGA	20	Depositor's primer
3	HS_121 (Rv1)	GTTGCATCGACCGGTAATGC	20	Depositor's primer

Reaction Components

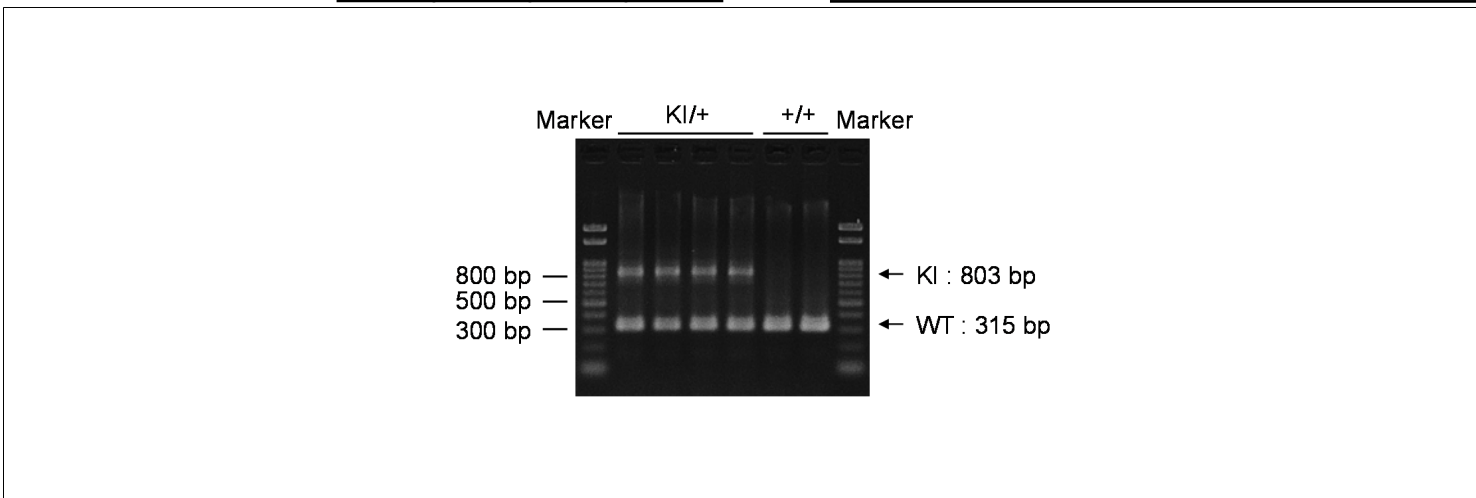
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reagent	Conc	Reaction 1	2	3	4	(μ L)
H2O		1.8				
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
primer 1	10 pmol/ μ l	1.0				
primer 2	10 pmol/ μ l	1.0				
primer 3	10 pmol/ μ l	1.0				
DNA		1.0				
Taq	1 U/ μ l	0.2				
total		20				

Reaction Conditions

step	temp (°C)	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, 30 min)



primer_set	product_size	product (allele type)	
primer 1	primer 2	315 bp	WT
primer 1	primer 3	803 bp	KI

+/+ (wild-type): 315 bp
KI/+ (heterozygous): 315 bp and 803 bp

Comment Standard PCR

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