

RBRC 09421

Strain name FVB.129S6-Gt(ROSA)26Sor<tm1(Pik3ca*H1047R)Egan>

Primer	primer_name	primer_seq	length	Reference
1	R26F2	AAAGTCGCTCTGAGTTGTTAT	21	Nature Genetics 21, 70-71 (1999).
2	olMR0316	GGAGCGGGAGAAATGGATATG	21	JAX genotyping protocol/Nature Genetics 21, 70 - 71 (1999).
3	olMR0315	GCGAAGAGTTTGTCTCAACC	21	JAX genotyping protocol/Nature Genetics 21, 70 - 71 (1999).

Reaction Components

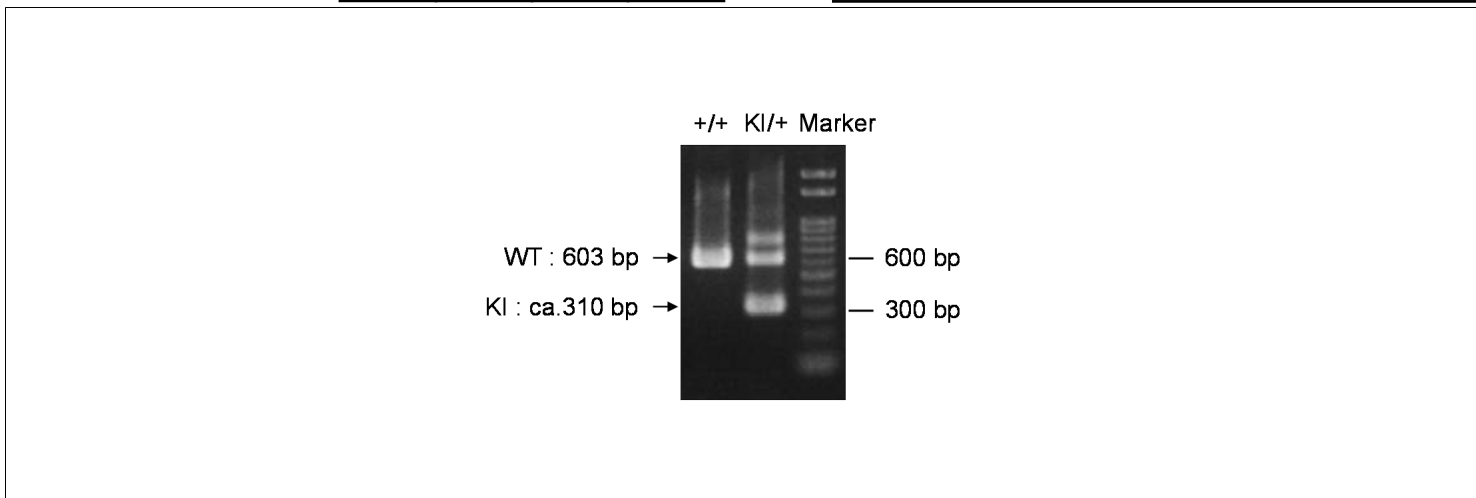
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

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/ 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	603 bp	WT
primer 1	ca. 310 bp	KI

Comment Standard PCR

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