

RBRC 09390

Strain name C57BL/6-Nkapl<tm1(KOMP)Vlog>/1Htan

Primer	primer_name	primer_seq	length	Reference
1		CACCGCGGTGGTTGATTGAAGGCG	24	Depositor's primer
2	WT_R	CAGTAGGTACAATAGCACTGGTAAATG	27	RIKEN BRC
3	lacZ-R	TCTGCTTCAATCAGCGTGCC	20	Genes Cells, 1:59-72 (1996).

Reaction Components

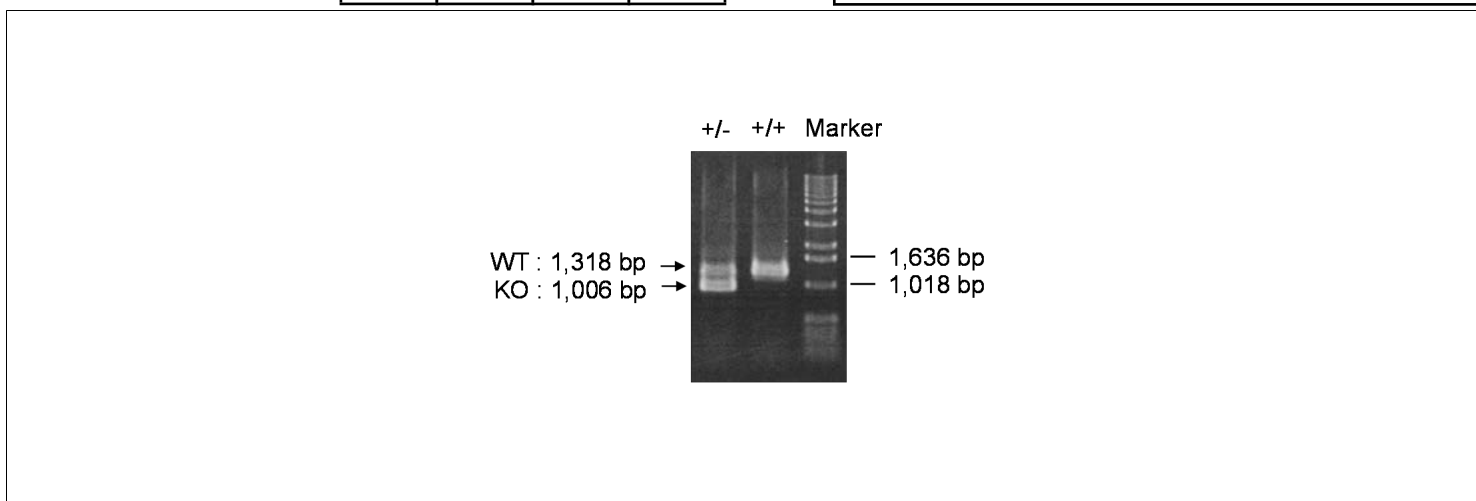
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4	(μL)
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				

Marker	1 kb DNA ladder (Invitrogen, Cat. 15615-024)
Gel	1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)	
primer 1	primer 2	1,318 bp	WT
primer 1	primer 3	1,006 bp	KO

Comment

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