

RBRC 05930

Strain name C57BL/6-Gt(ROSA)26Sor<tm1(mCherry-MBD)Osbs>

Primer	primer_name	primer_seq	length	Reference
1	ROSA26-NotI-Fw	GAGCGGCCGCCACCCCTCCCCTTCTCTGG	30	Depositor's primer
2	ROSA26-NruI-Rev	CCTCGCGACTGTATTTTCATACTGTAGTA	30	Depositor's primer
3	MBD-Rev	TTACGGGGCCTCCTTCTGACCTCACCCTCT	32	Depositor's primer

Reaction Components

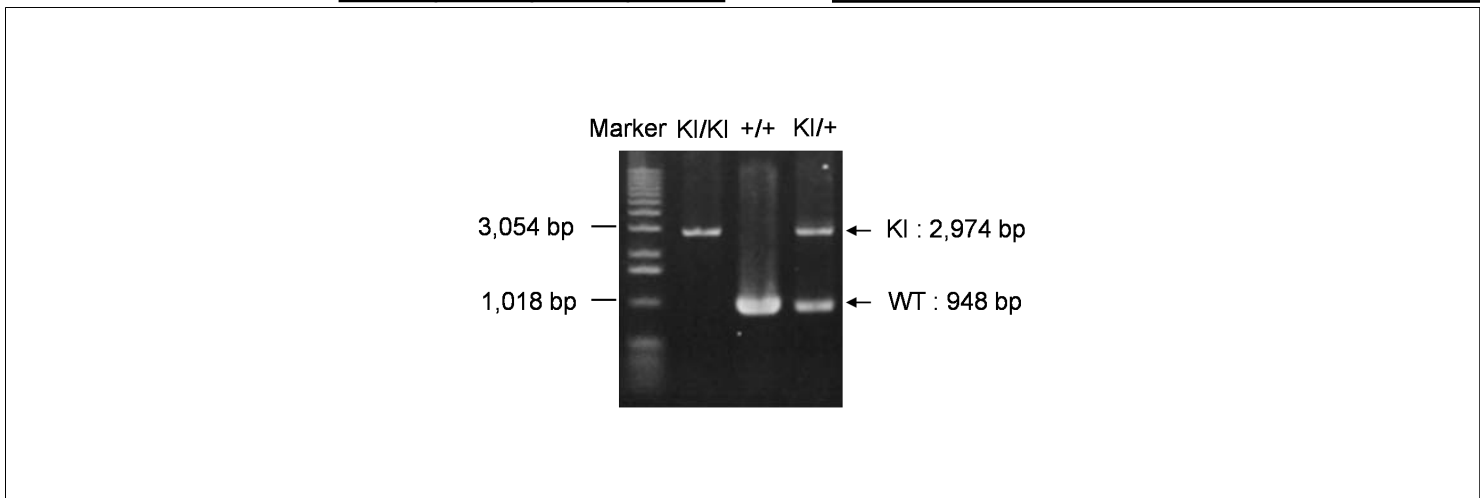
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reagent	Conc	Reaction 1	2	3	4
H2O		1.6			
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	0.4			
total		20			

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	180*	*Repeat for 30 cycles

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	948 bp	WT
primer 1	2,974 bp	KI

Comment Standard PCR

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