

RBRC 05754

Strain name B6.129P2-Map3k6<tm1Hijo>

Primer	primer_name	primer_seq	length	Reference
1	195S	ACTGGATCCACACCTTCAGC	20	Depositor's primer
2	961AS	CAAGAGTCTGTGGGTGTAGCCT	22	Depositor's primer
3	lacZ-R	CGCATCGTAACCGTGCATCTGCC	23	RIKEN BRC

Reaction Components

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

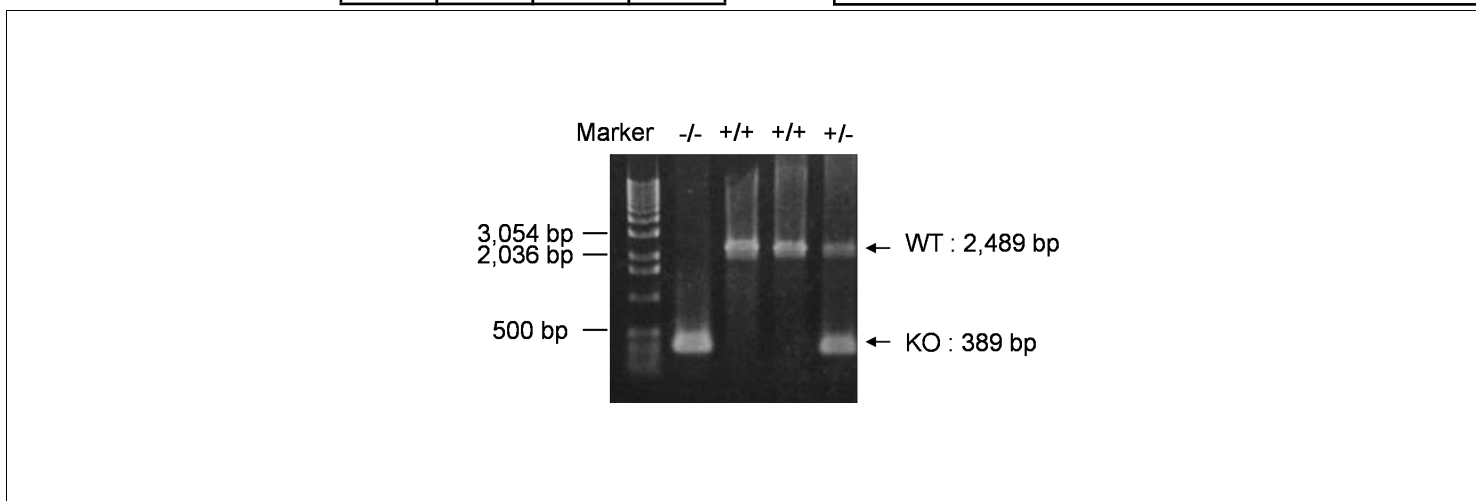
Reagent	Conc	Reaction 1	2	3	4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA	10 pmol/ μ l	1.0			
Taq	1 U/ μ l	0.2			
total		20			

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	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	primer 2	2,489 bp WT
primer 1	primer 3	389 bp KO

Comment [Standard PCR](#)

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