

RBRC 05472

Strain name C.Cg-Gt(ROSA)26Sor<tm6.1(CAG-tdTomato)Maoh>

Primer	primer_name	primer_seq	length	
1	M274	CGATGGAAAATACTCCGAGGC	21	Nucleic Acids Res., 38, e198 (2010).
2	M273	TCAGTAAGGGAGCTGCAGTGG	21	Nucleic Acids Res., 38, e198 (2010).
3	Tomato41R	CGCATGAACTCTTTGATGACCTC	23	

Reaction Components

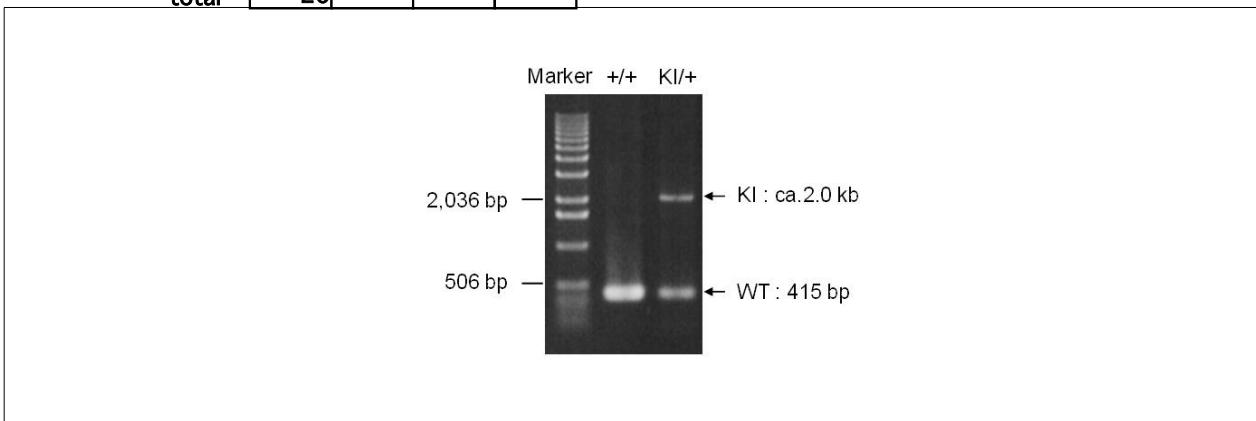
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

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

	Conc	Run 1	Run 2	Run 3	Run 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			

Standard PCR



Marker
1 kb DNA ladder (Invitrogen, Cat. 15615-024)

Gel
1% agarose in 1 X TAE (100 V, 30 min)

PCR products		product_size	product
primer 1	primer 2		
primer 1	primer 2	415 bp	WT
primer 1	primer 3	ca 2.0 kb	KI

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