

RBRC 09255

Strain name C.Cg-Gt(ROSA)26Sor<tm1(CAG-kikGR)Kgwa>

Primer	primer_name	primer_seq	length	Reference
1	ROSA short	CTTCCTCTGGGGGAGTCGTTTTA	23	Depositor's primer
2	RV	GCTCACAAGACCTTAGGTCAG	21	RIKEN BRC
3	hKikGR1-590R	TGGTCCACGAAGTGGTAGTCGGGC	24	Depositor's primer

**Reaction Components**

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

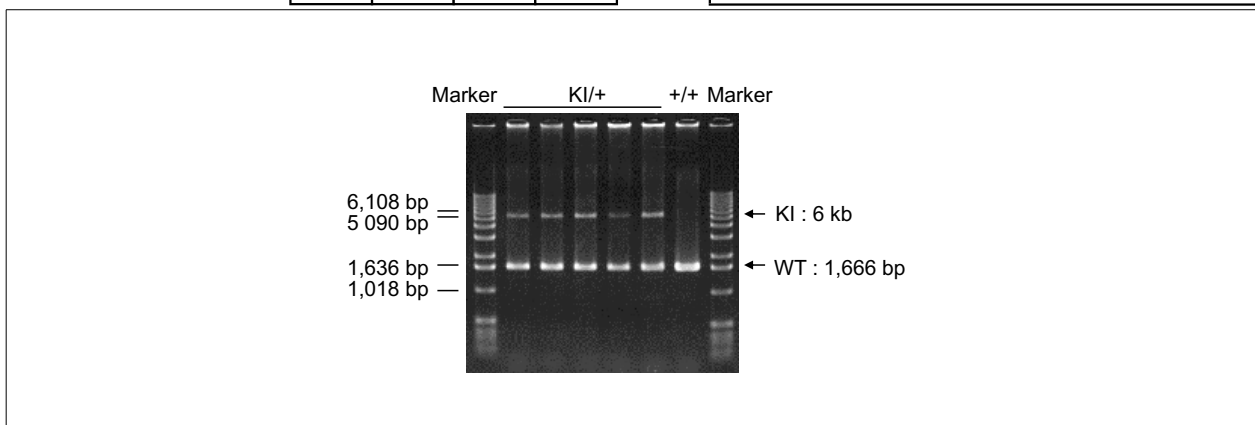
**Reaction Conditions**

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	420*	*Repeat for 30 cycles

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/μl	1.5			
primer 2	10 pmol/μl	0.5			
primer 3	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	0.2			
<b>total</b>		<b>20</b>			

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	1,666 bp	WT	+/- : 1,666 bp KI/+ : 1,666 bp, 6 kb
primer 1 primer 3	ca 6.0 kb	KI	

Comment [Standard PCR](#)

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