

RBRC 10140

Strain name B6;Cg-Gt(ROSA)26Sor^{tm1(EWSR1/ATF1)}Yasu

Primer	primer_name	primer_seq	length	Reference
1	intron 1	AGTAAGGGAGCTGCAGTGGAG	21	RIKEN BRC
2	RV	GCTCACAAGACCTTAGGTCAG	21	RIKEN BRC
3	olMR0214	CCGGAGAACCTGCGTGCAATCC	22	JAX Genotyping Protocol
4	exon 2/3	CGGTGTAAGCACTGTAGCCCTG	22	RIKEN BRC

Reaction Components

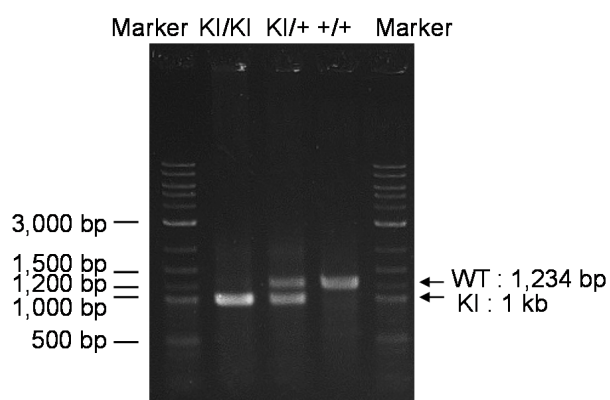
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
--------	-----------------------------------

Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4
H2O		0.8			
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			
primer 4	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	0.2			
total		20			

Marker	2-Log DNA Ladder (NEB, Cat. N3200)
Gel	1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)	
primer 1	primer 2	1,234 bp	WT
primer 1	primer 3	1 kb	KI
primer 1	primer 4	600 bp	KI(dstop)

+/+ (wild-type): 1,234 bp
KI/+ (heterozygous): 1,234 bp and 1 kb
KI/KI (homozygous): 1 kb

Comment [Standard PCR](#)

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