

RBRC 10389

Strain name ICR.Cg-Kiss1<tm1.1Nurep>

Primer	primer_name	primer_seq	length	Reference
1	#1389	CACAGGATGGAAGCAGAGCA	20	Depositor's primer
2	#1390	ACTGCCCTTCCCCTAAATGC	20	Depositor's primer
3	exon 2	CTGGAAGGAGACTGTAGACCTG	22	RIKEN BRC

Reaction Components

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

Reaction Conditions

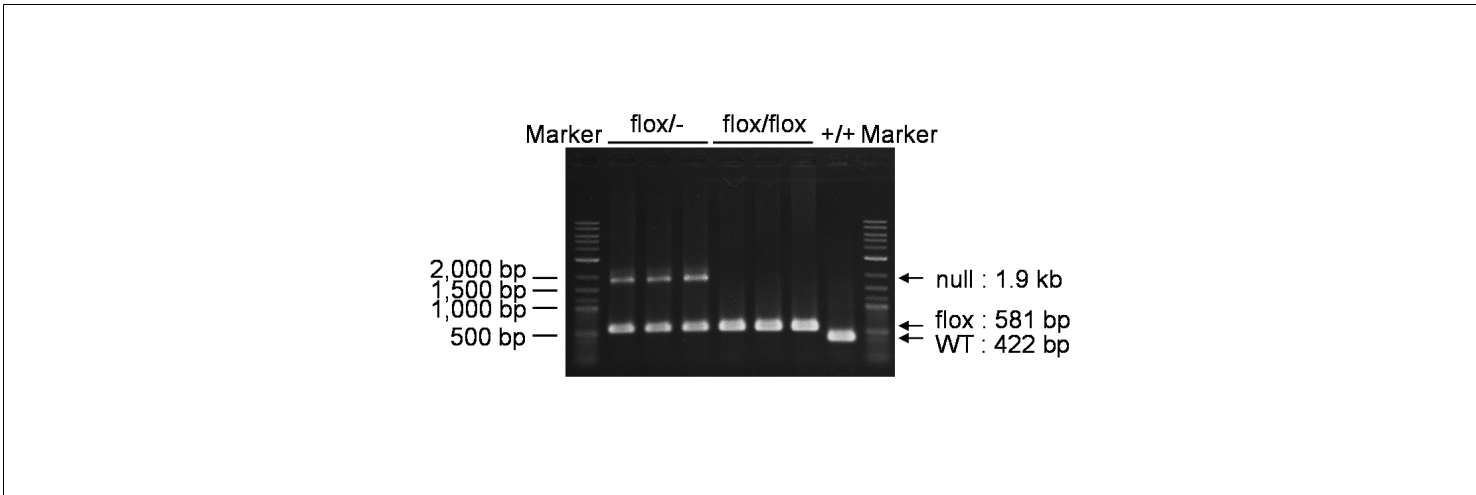
step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	180*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4
H2O		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			

(μ L)

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	422 bp	WT	+/- (wild-type): 422 bp flox/flox (homozygous): 581 bp flox/-: 581 bp and 1.9 kb
primer 1	581 bp	flox	
primer 2	1.9 kb	null	

Comment [Standard PCR](#)

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