

RBRC 06213

Strain name B6.Cg-Igf1<tm1.2Hko>

Primer	primer_name	primer_seq	length	Reference
1	IGF1-U35128	CACCCAATAAATGTTTGTAGC	21	Depositor's primer
2	IGF1-L35986	GTCCTGTACGCCCTCTGGATG	21	Depositor's primer

Reaction Components

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

Reaction Conditions

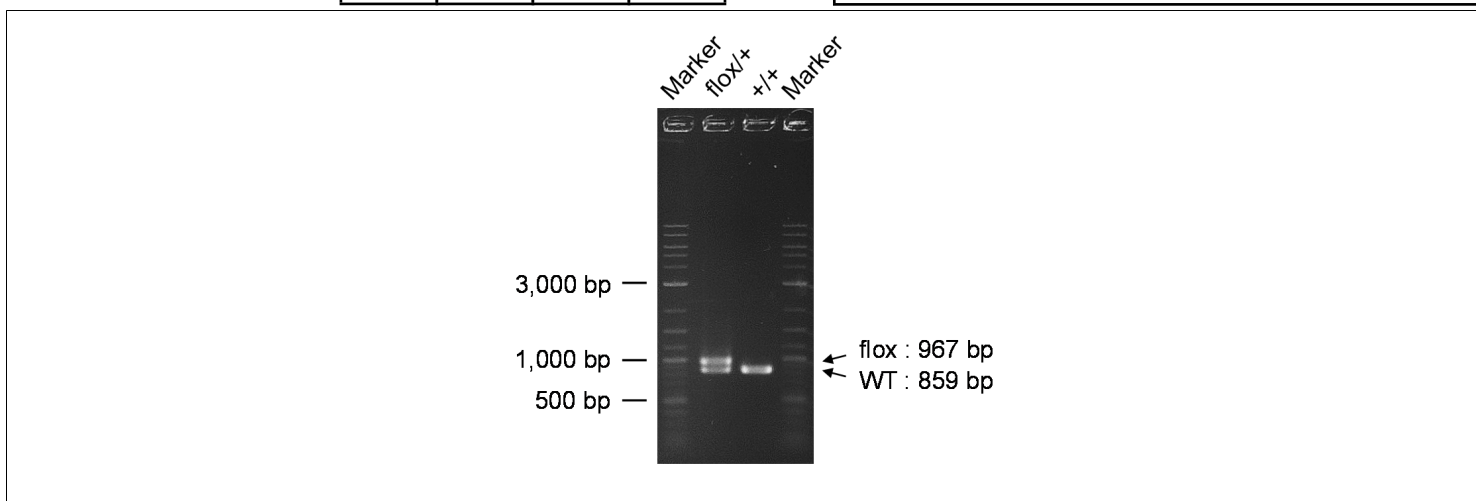
step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	60*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4
H2O		2.8			
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			
DNA		1.0			
Taq	1 U/μl	0.2			
total		20			

(μL)

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	859 bp	WT
primer 1	primer 2	967 bp	flox

+/+ (wild-type): 859 bp
flox/+ (heterozygous): 859 bp and 967 bp

Comment Standard PCR

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