

RBRC 10095

Strain name B6.Cg-Irf3<tm2.1Ttg>

Primer	primer_name	primer_seq	length	Reference
1	IRF3 CKO FW	GGTGGGAAGGAGTTTCCCG	19	Depositor's primer
2	IRF3 CKO RW	CTGCCCCAGGTCCAGCTGTG	20	Depositor's primer
3	IRF3 CKO KO RV	CTCACCTGCCACGAAGGGCC	20	Depositor's primer

**Reaction Components**

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

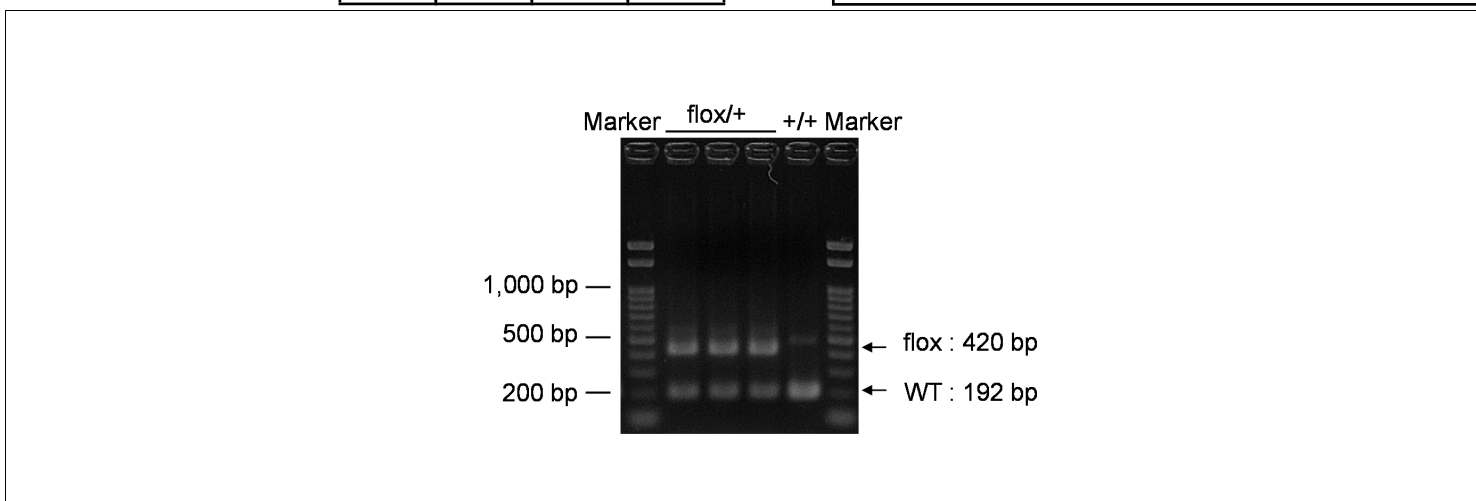
Reagent	Conc	Reaction 1	2	3	4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	0.2			
<b>total</b>		<b>20</b>			

(μL)

**Reaction Conditions**

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	63	30*	
4	68	60*	*Repeat for 30 cycles

**Marker** Gene Ladder 100 (Wako, Cat. 316-06951)  
**Gel** 2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)	
primer 1	primer 2	192 bp	WT
primer 1	primer 2	420 bp	flox
primer 1	primer 3	880 bp	null (After cre mediated excision)
			+/+ : 192 bp flox/+ : 192 bp, 420 bp

**Comment** Standard PCR

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