

RBRC 09620

Strain name B6.Cg-Runx2<tm1.1Taks>

Primer	primer_name	primer_seq	length	Reference
1	Runx2-flox_GTF	AACATACAAACTGTCTTCCCTCAAC	25	Depositor' s primer
2	Runx2-flox_GTR	CAGGTCTTGAGCTAAAAGCAGAAGG	25	Depositor' s primer

Reaction Components

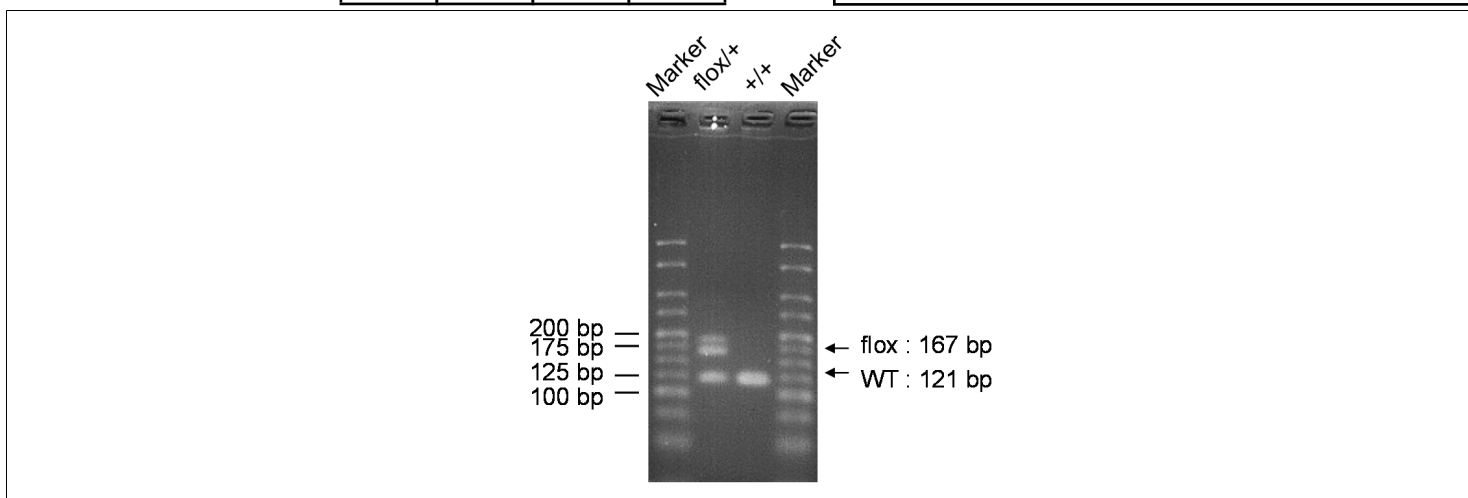
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

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	(μL)
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				

Marker 25bp DNA Step Ladder (Wako, Cat. 292-69001)
Gel 4% Nusieve in 0.5 X TBE (100 V, 60 min)



primer_set	product_size	product (allele type)	
primer 1	primer 2	121 bp	WT
primer 1	primer 2	167 bp	flox

Comment Standard PCR

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