

RBRC 11924

Strain name C57BL/6-Svep1<tm1.1Ksek>

Primer	primer_name	primer_seq	length	Reference
1	F2	GATCCATGAGATGAATTGAGGTGTGTTT	28	Circ. Res., 120(8):1276-1288 (2017).
2	R1	CCTGTTGGGACTGATGTTCTTATGACA	27	Circ. Res., 120(8):1276-1288 (2017).

Reaction Components

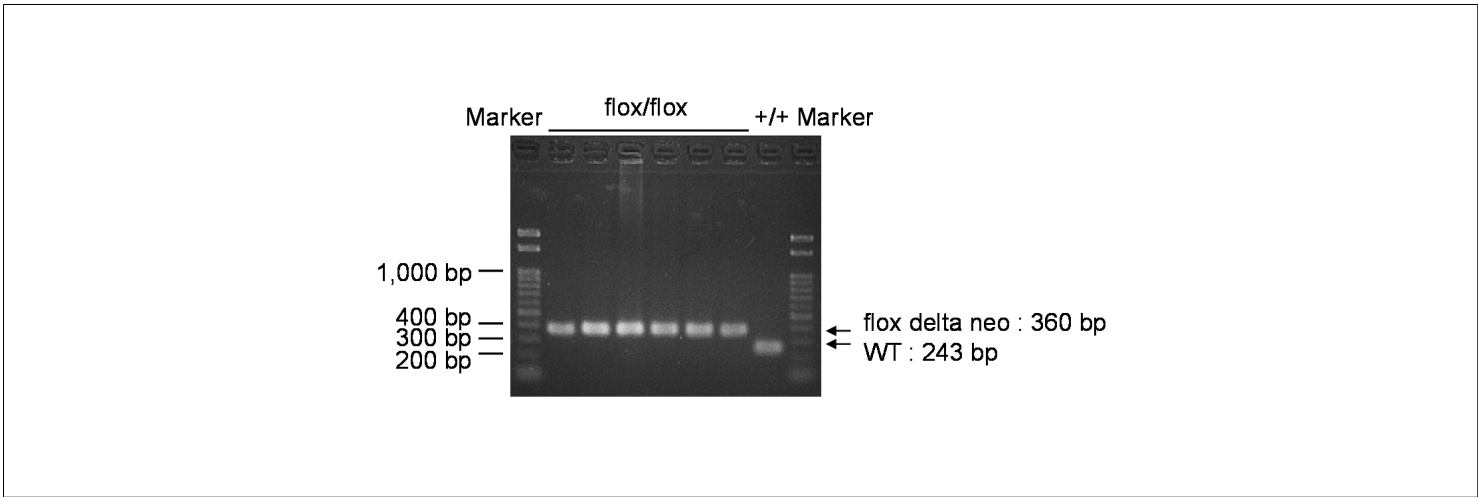
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

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	(μ L)
H2O		2.8				
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				
DNA		1.0				
Taq	1 U/ μ l	0.2				
total		20				

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	243 bp	WT
primer 1 primer 2	360 bp	flox delta neo

Comment Standard PCR

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