

RBRC 10428

Strain name B6.Cg-Xkr8<tm1.1Osa>

Primer	primer_name	primer_seq	length	Reference
1	WT FW	CTCATTGCTGATGTGGGTGACAATA	25	Depositor's primer
2	commonRV	CATTATCTTCCTCACTGGCTGAATC	25	Depositor's primer

Reaction Components

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

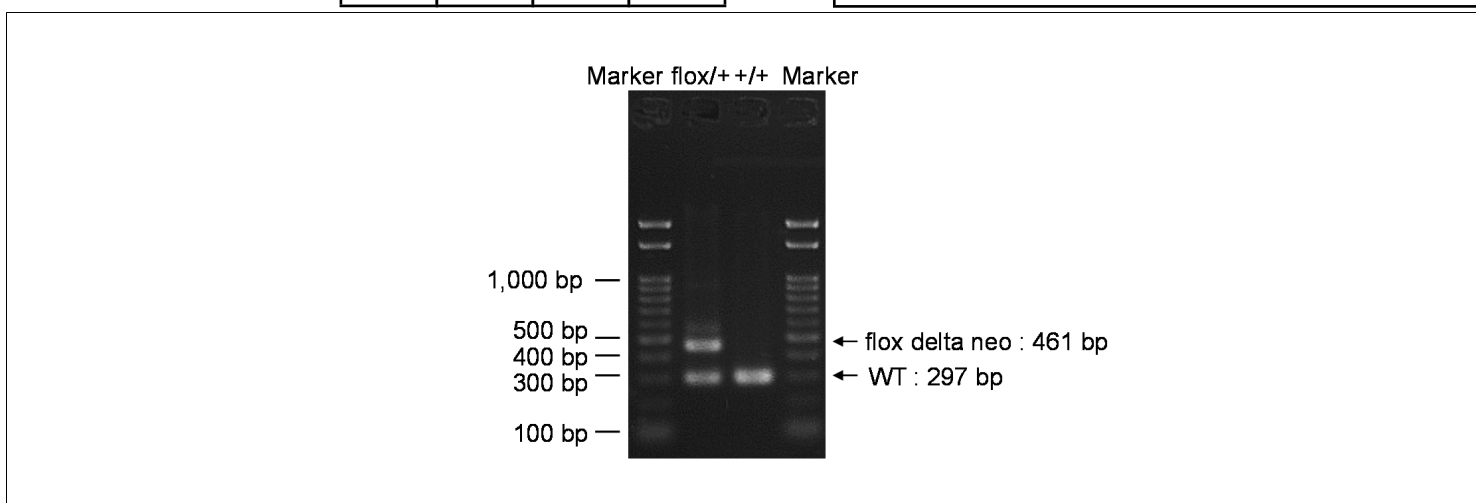
Reaction Conditions

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 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	297 bp	WT
primer 1	primer 2	461 bp	flox delta neo
			+/+ (wild-type): 297 bp flox/+ (heterozygous): 297 bp and 461 bp

Comment Standard PCR

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