

RBRC 05549

Strain name B6;129(Cg)-Capns1<tm1.1Otsu>

Primer	primer_name	primer_seq	length	
1	H1F	AGAGAATACATTGCAGGATAGG	22	J. Biol. Chem., 286, 32170-32177 (2011).
2	Intron4_Rv	GTAGCACATGCTTATAACTCTAGC	24	RIKEN BRC
3	intron9_R	CCTTTGGTTGACCTCAGACTTATGG	25	RIKEN BRC

Reaction Components

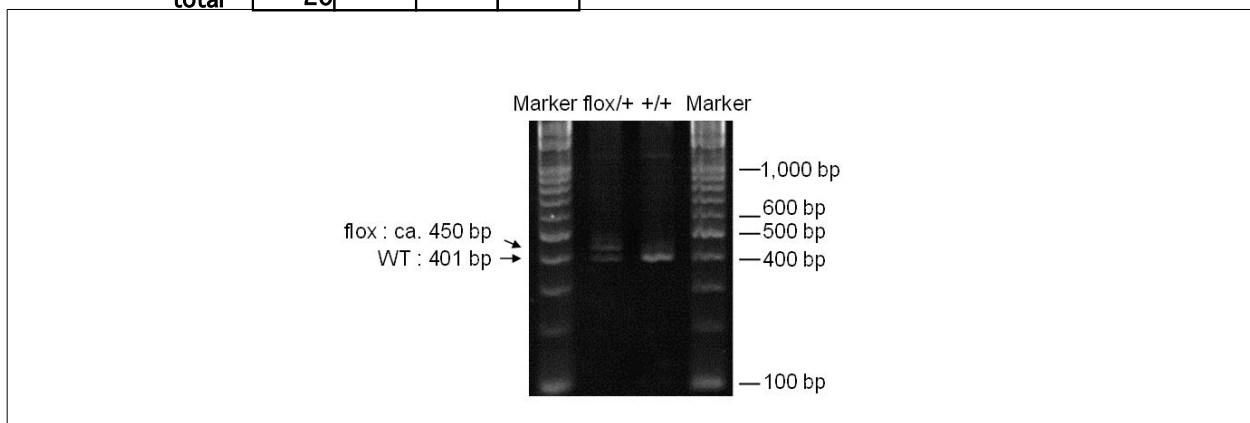
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	180*	*Repeat for 30 cycles

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.8			
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			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq	1 U/ μ l	0.2			
total		20			

Standard PCR



Marker
Gene Ladder 100 (Wako, Cat. 316-06951)

Gel
3% Nusieve in 0.5 X TBE (100 V, 60 min)

PCR products		product_size	product
primer 1	primer 2		
primer 1	primer 2	401 bp	WT
primer 1	primer 2	ca. 450 bp	flox
primer 1	primer 3	2.0 kb	null

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