

RBRC 11833

Strain name B6-Bst1<em>Ikats</em>

Primer	primer_name	primer_seq	length	Reference
1	Bst1-1	CCAAAGGTAGGACAACATGACC	22	Depositor's primer
2	Bst1-2	TGCACATGTATCATGTAGTCAACTG	25	Depositor's primer
3	Bst1-3	CTCTGTGCTCCCCTCAGACT	20	Depositor's primer
4	Bst1-4	ACCCTTAATGCAGCAACACC	20	Depositor's primer

### Reaction Components

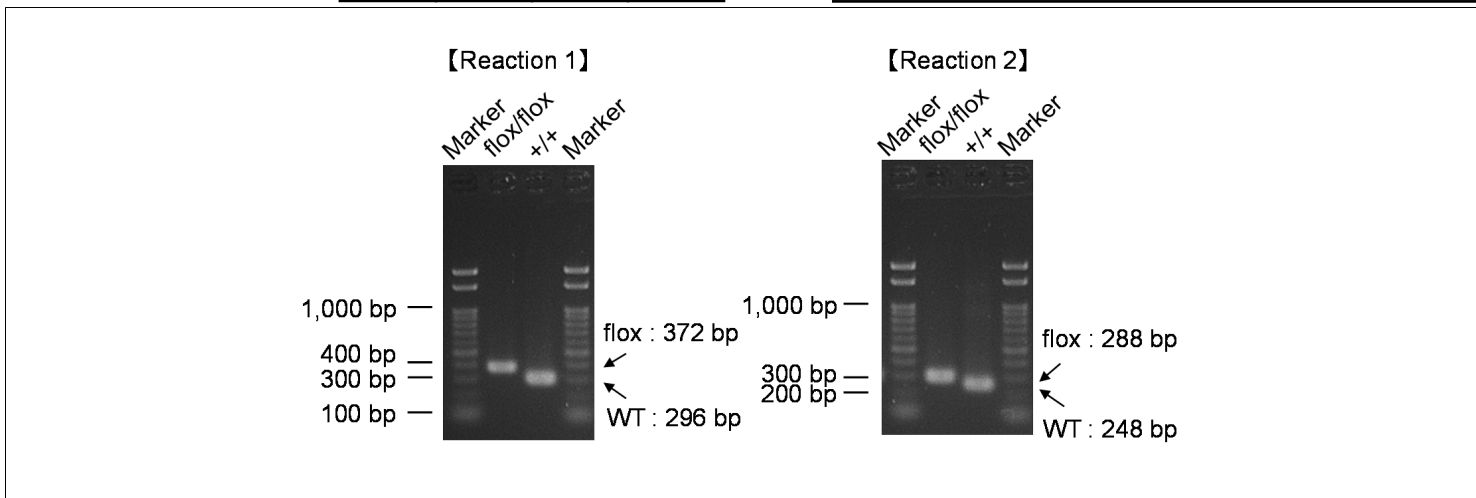
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reagent	Conc	Reaction 1	2	3	4
H2O		2.8	2.8		
PCR buffer	2 X	10.0	10.0		
dNTP	2.0 mM	4.0	4.0		
primer 1	10 pmol/ $\mu$ l	1.0	0		
primer 2	10 pmol/ $\mu$ l	1.0	0		
primer 3	10 pmol/ $\mu$ l	0	1.0		
primer 4	10 pmol/ $\mu$ l	0	1.0		
DNA		1.0	1.0		
Taq	1 U/ $\mu$ l	0.2	0.2		
<b>total</b>		20	20		

### Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	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	296 bp	WT
primer 1	372 bp	flox
primer 3	248 bp	WT
primer 3	288 bp	flox

### Comment

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