

RBRC 11554

Strain name B6.Cg-Bcl2l11<tm1.1Mtto>

Primer	primer_name	primer_seq	length	Reference
1	Bim-Tg-F	AGCATCTTCAGAAGCAGTGTGTT	23	Depositor's primer
2	Bim-SA-R	AACCATTCTTCCCAAAGACTGC	23	Depositor's primer
3	Bim-LA-F	CTCATCAACTGGACACAAGC	20	Depositor's primer

### Reaction Components

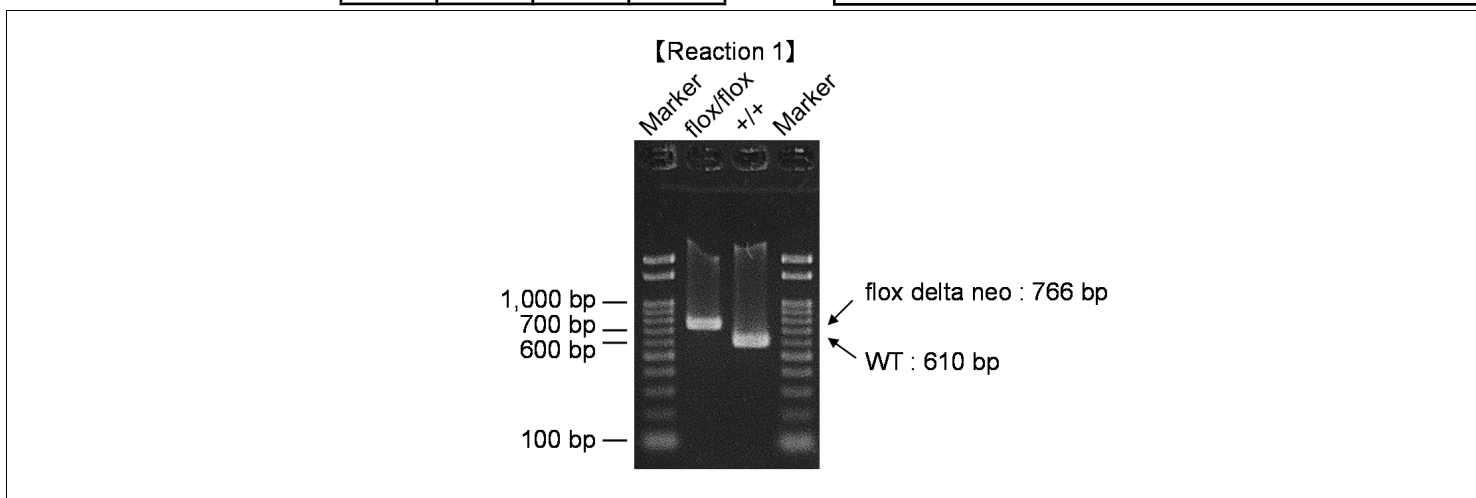
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

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

### Reaction Conditions

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

**Marker** marker Run1: Gene Ladder 100 (Wako, Cat. 316-06951), marker Run2: 2-Log DNA Ladder (NEB, Cat. N3200)  
**Gel** Run1:2% agarose in 1 X TAE (100 V, 30 min)Run2:1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	primer 2	610 bp WT
primer 1	primer 2	766 bp flox delta neo
primer 2	primer 3	1,744 bp WT
primer 2	primer 3	600 bp null (After cre mediated excision)
primer 2	primer 3	>1,744 bp flox delta neo

**Comment** Standard PCR

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