

PCR protocol

RBRC 02645

Strain name B6;B6CB-Mybl2 <tm2Sis>

Primer	primer_name	primer_seq	length	
1	BMlox1	CCTTTAATAAGACTTGCCTGGGCCCCCAGG	30	Depositor's primer
2	BMlox2	AATCCCAGCAACCTTGGCCACAACACAGAT	30	Depositor's primer
3	exon5	CATACTTCTTGACCAACTCAATGACC	26	RIKEN BRC
4		GCCTCTGTGCAGTGAGAACATG	22	RIKEN BRC

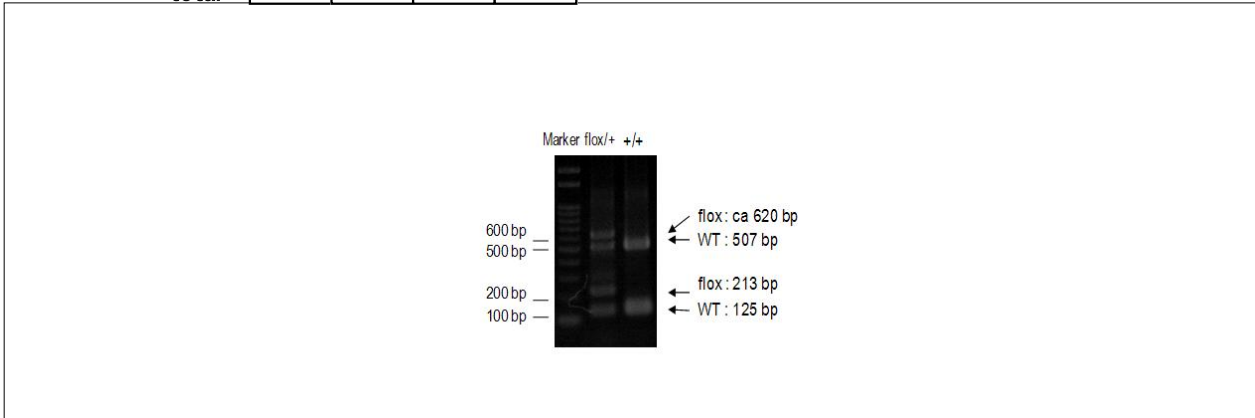
Reaction Components

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	60*	*Repeat for 30 cycles

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		0.8			
PCR buffer	10 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			
primer 4	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)

PCR products			
	primer_set	product_size	product
	primer 1	primer 2	125 bp WT
	primer 1	primer 2	213 bp flox
	primer 3	primer 4	507 bp WT
	primer 3	primer 4	ca 620 bp flox

Comment