

RBRC 06529

Strain name C57BL/6N-Hbb-bh2<tm1b(EUCOMM)Hmgu>/B11

Primer	primer_name	primer_seq	length	
1		GAACTTGGTGTTGAGTCCCTGG	22	RIKEN BRC
2		TTGGTGCTATCTATGCATGGTAATTG	26	RIKEN BRC
3		GGCACATGGCTGAATATCGACGG	23	RIKEN BRC

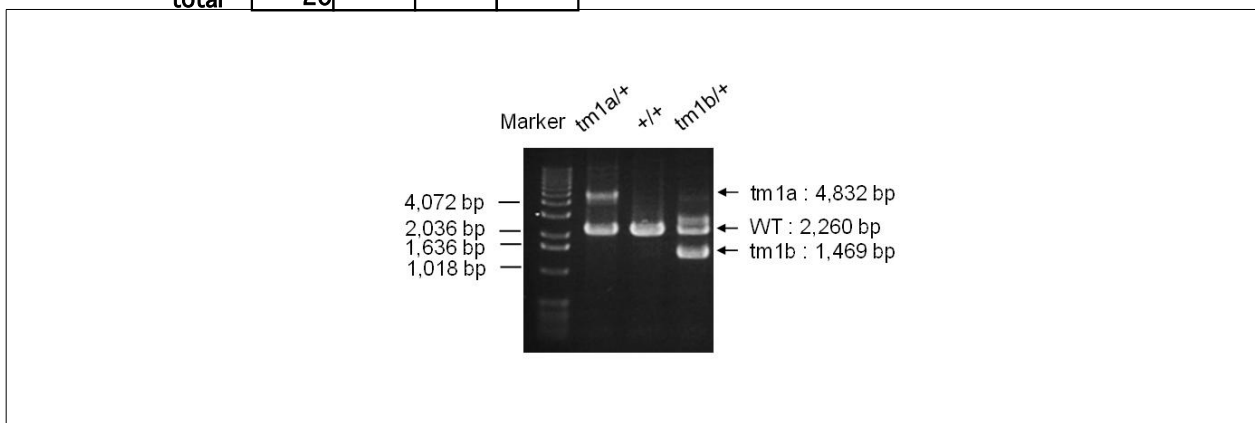
Reaction Components

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

Reaction Conditions

	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			

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	360*	*Repeat for 30 cycles

Standard PCR

Marker

 1 kb DNA ladder (Invitrogen, Cat. 15615-024)
Gel
 1% agarose in 1 X TAE (100 V, 30 min)

PCR products

primer_set	product_size	product
primer 1	2,260 bp	WT
primer 2	1,469 bp	tm1b
primer 2	4,832 bp	tm1a

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