

RBRC 05690

Strain name C57BL/6N-Sst<tm1a(KOMP)Wtsi>/F04

Primer	primer_name	primer_seq	length
1		GGAGAGAATATAGTTCAGTCCTC	23
2		CAGCATAGTACAGTGTTAAGCGC	23
3		GGCACATGGCTGAATATCGACGG	23

Reaction Components

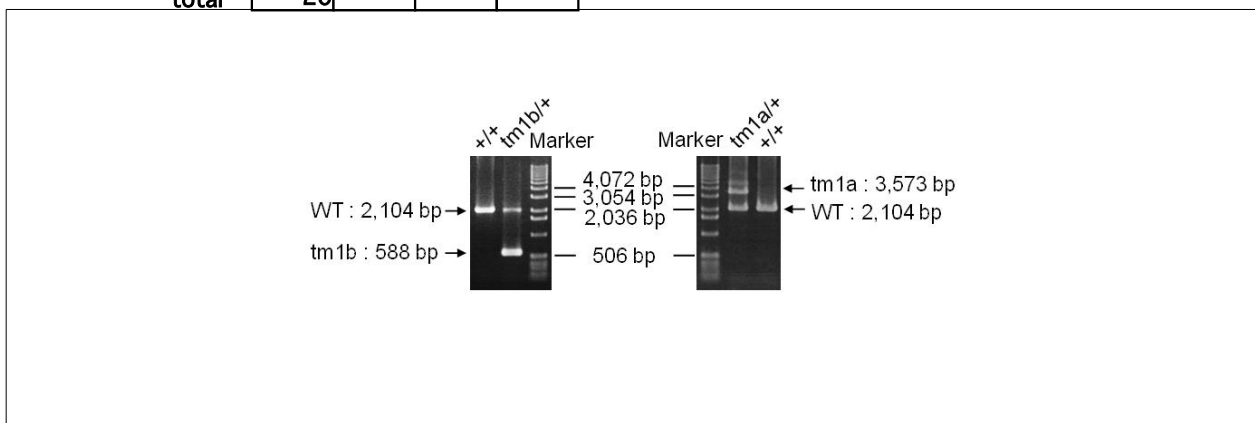
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	240*	*Repeat for 30 cycles

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.6			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	0.4			
total		20			

Standard PCR



Marker	primer_set	product_size	product
1 kb DNA ladder (Invitrogen, Cat. 15615-024)	primer 1	2,104 bp	WT
Gel	primer 2	3,573 bp	tm1a
1% agarose in 1 X TAE (100 V, 30 min)	primer 2	588 bp	tm1b

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