

PCR protocol

Sheet ID PS_04203
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RBRC 04949

Strain name B6.B6CB(Cg)-Psmc14<tm1.1Smta>

Primer	primer_name	primer_seq	length	
1	D14KI int11S-common	GATCAGGTTTAAGAGTTGTCCTATGTAAG	30	Depositor's primer
2	ex12UTR AS-WT	TAACTGTGAGCATTGGGAACGAAGA	25	Depositor's primer
3	HFpA AS-Flag	CATGCCTGCTATTGTCTTCCCAATCC	26	Depositor's primer

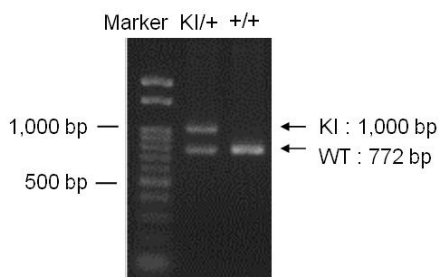
Reaction Components

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 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	57	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)

PCR products

primer_set		product_size	product
primer 1	primer 2	772 bp	WT
primer 1	primer 3	1000 bp	KI

Comment