PCR protocol

Sheet ID PS_03698
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RBRC 04546 Strain name B6.129B6-Mavs<tm1Tsse>

Primer	primer_name	primer_seq	length		
1	mIPS-1Ex2-R	AGGTAGCTCTGATAAACTCG	20		Depositor's primer
2	mIPS-1Ex2-F	TCTGGAGATCCTGCCTTACC	20		Depositor's primer
3	5Neo	TGGATTGCACGCAGGTTCTC	20		

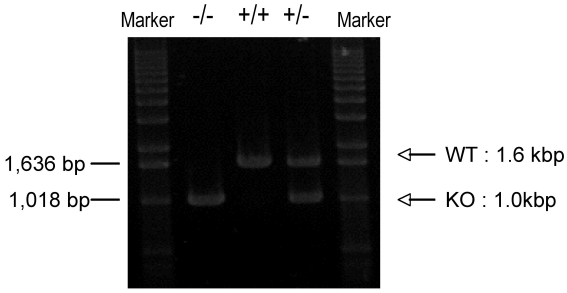
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		12.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
DNA		1.0			
		0.1			
	total	20			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	180	
2	94	30	*
3	60	30	*
4	72	90	* *Repeat for 30 cycles
5	72	300	



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	primer 2	1.6 kb	WT
primer 2	primer 3	ca 1.0kb	KO

Comment