PCR protocol

Sheet ID PS_03216
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RBRC 00983 **Strain name** B6;129P2-Gata2<tm1Mym>/Rbrc

Primer	primer_name	primer_seq	length		Reference
1	00983 F	TCCTCAGTGAAGCTCCGATGGAAC	24		
2	00983 R	TCGCAGCTGCTCAGATTCCTGTG	23		
3		CTTGTACAGCTCGTCCATGCCGAG	24		RIKEN BRC

Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

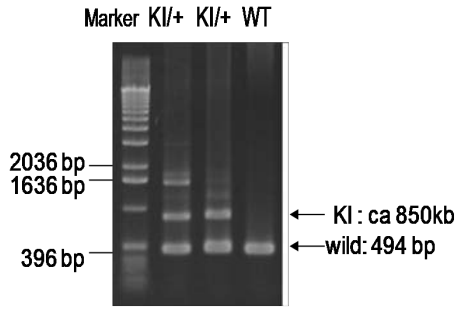
Reagent	Conc	Reaction 1	2	3	4	
H2O		16.3				(μL)
PCR buffer	10 X	2.5				
dNTP	2.5 mM	2.0				
primer 1	10 pmol/μl	1.0				
primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	1.0				
DNA		1.0				
Taq		0.2				
	total	25				

Reaction Conditions

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

Marker 1 kb plus DNA ladder (Invitrogen, Cat. 10787-026)

Gel 1% agarose in 1 X TAE (100 V, 30 min)



primer_set		product_size	product (allele type)
primer 1	primer 2	494 bp	WT
primer 1	primer 3	ca 850 bp	KI

Comment Standard PCR