

RBRC 03654

Strain name B6;129-Arx<tm(GCG)Kki>/7-1Rbrc

Primer	primer_name	primer_seq	length	Reference
1	mArx jjr	CTTTAGCTCCCCTTCCTGGCACAC	24	Depositor' s primer
2	pMC1neo ATGr	TGTTCAATGGCCGATCCCAT	20	Depositor' s primer
3	mArx kkf	AAAGGCGAAAAGGACGAGGAAAGG	24	Depositor' s primer

Reaction Components

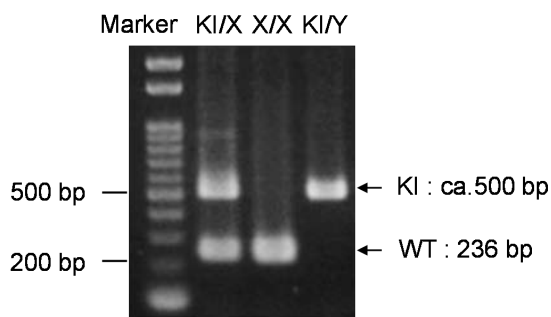
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	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			

Marker	Gene Ladder 100 (Wako, Cat. 316-06951)
Gel	2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	primer 2	236 bp
primer 2	primer 3	ca 500 bp

Comment [Standard PCR](#)

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

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Strain name Arx (GCG)7-1 KI (B6)

[illegible]

Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

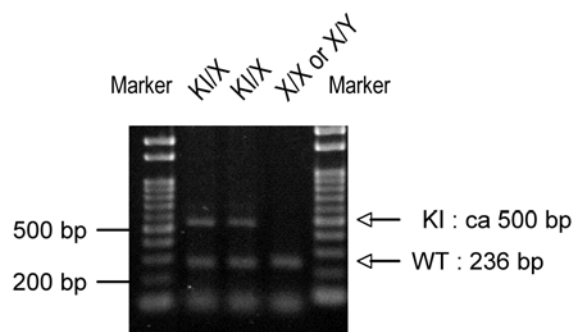
Reaction Conditions

[illegible]

Reagent	Conc	Reaction 1	2	3	4	
H ₂ O		12.3				(μL)
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				
Taq	5 U/μl	0.1				
						Mark
						Gel
	total	20				

Marker	Gene Ladder 100 (Wako, Cat. 316-06951)
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Gel	2% agarose in 1 X TAE (100 V, 30 min)
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primer_set		product_size	product (allele type)
primer 1	primer 3	236 bp	WT
primer 2	primer 3	ca 500 bp	KI

Comment Standard PCR