

RBRC 03730

Strain name B6:129S4-Dnmt3a<tm1Enl>

[illegible]

Reaction Components

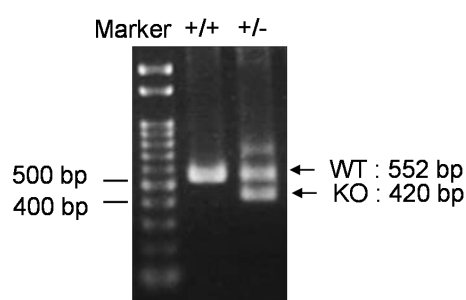
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

[illegible][illegible]

Marker Gene Ladder 100 (Wako, Cat. 316-06951)

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 2	552 bp	WT
primer 1	primer 3	420 bp	KO

Comment Standard PCR

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

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Primer	primer_name	primer_seq	length	Reference
1	3a-com2	AGTCTCCATTTTCAGGGGGTTCAGGT	25	Depositor's primer
2	3a-WT5	AGCCATTAGCTGAGGCTGTCTGCAT	25	Depositor's primer
3	IRES-MUT	ACACTCCAACCTCCGCAAACTCCTA	25	Depositor's primer

Reaction Components

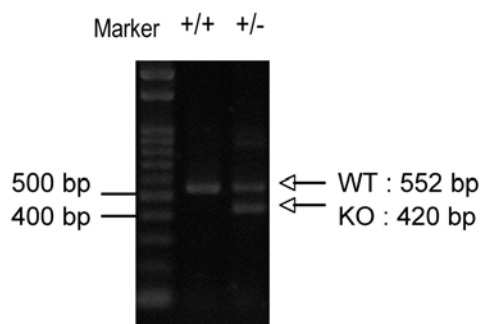
Enzyme	TaKaRa Ex Taq (Cat. No. RR001A)
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Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	65	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	

Reagent	Conc	Reaction 1	2	3	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			
Taq	5 U/μl	0.1			
total		20			

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



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Comment