



PCR protocol

Sheet ID PS 07152

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Strain name B6.Cg-Calcr<tm1c(KOMP)Sfuk>

[illegible]

Reaction Components

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

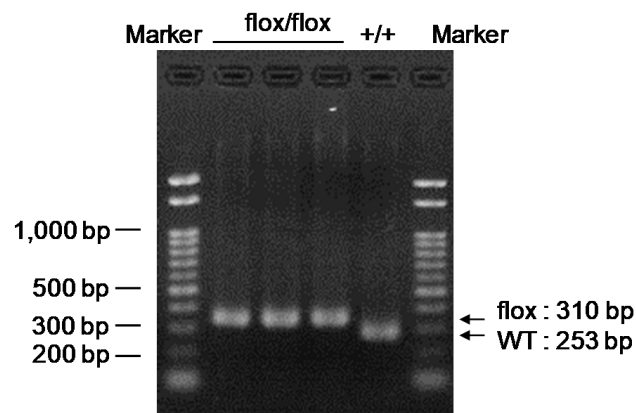
Reaction Conditions

[illegible]

Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		2.8				
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
primer 1	10 pmol/ μl	1.0				
primer 2	10 pmol/ μl	1.0				
DNA		1.0				
Taq	1 U/ μl	0.2				
						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 2	253 bp	WT	+/+ (wild-type): 253 bp flox/flox (homozygous): 310 bp flox/+ (heterozygous): 253 bp and 310 bp
primer 1	primer 2	310 bp	flox	

Comment

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