

RBRC 09797

Strain name B6.Cg-Ano6<tm1.2Naga>

Primer	primer_name	primer_seq	length	Reference
1	16F-WT-F1	CTCCAGAGTTTGTAAAGTAACACAT	24	J. Biol. Chem., 288, 13305-13316 (2013).
2	16F-R1	AGACTGATTCCAAGGTTATCGAA	24	J. Biol. Chem., 288, 13305-13316 (2013).
3	16F-KO-F1	CAGTCATCGATGAATTCATAACTT	24	J. Biol. Chem., 288, 13305-13316 (2013).

Reaction Components

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

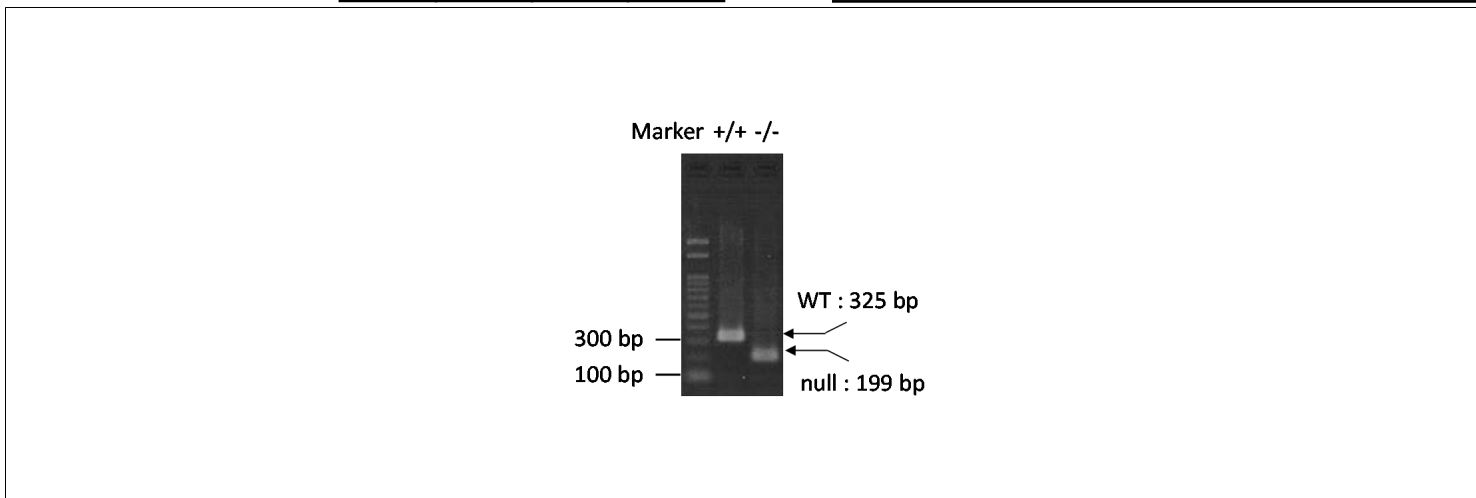
Reagent	Conc	Reaction 1	2	3	4	(μ L)
H2O		1.8				
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
primer 1	10 pmol/ μ l	1.0				
primer 2	10 pmol/ μ l	1.0				
primer 3	10 pmol/ μ l	1.0				
DNA		1.0				
Taq	1 U/ μ l	0.2				
total		20				

Reaction Conditions

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

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	325 bp	WT
primer 1 / primer 3	199 bp	null

Comment

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