

RBRC 05887

Strain name B6;129P2-Bri3bp<Gt(RST655)Byg>/Dkit

Primer	primer_name	primer_seq	length		Reference
1	BNAS1 fwd sequence 5'	TCTTCGGAGAGGACAACGTGC	21		Depositor's primer
2	BNAS1 900rev sequence 5'	GAGATGGCGATAAAGAACTTC	21		Depositor's primer
3	RST655lo2-2199 sequence 5'	CTTGAATCACTTTCTCCTGCC	21		Depositor's primer

Reaction Components

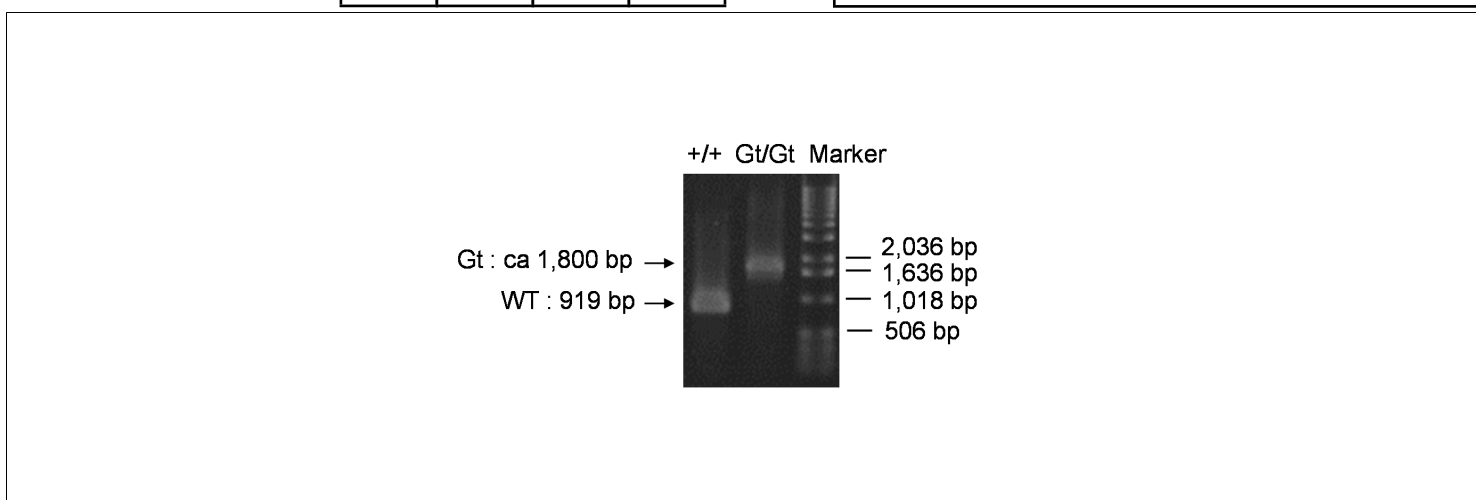
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	57	30*	
4	68	120*	*Repeat for 30 cycles

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				

Marker 1 kb DNA ladder (Invitrogen, Cat. 15615-024)
Gel 1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1 primer 2	919 bp	WT
primer 1 primer 3	ca 1,800 bp	Gt

Comment

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