

RBRC 00158

Strain name C57BL/6-TgN(gpt Delta)

Primer	primer_name	primer_seq	length	Reference
1	F1	GTTGTA CTCCAACCATGCCAAAG	24	Genes and Environment (2015) 37:24
2	R1	CAGAAATCATTCCAGGTCCTTGC	23	Genes and Environment (2015) 37:24
3	R3	CCCAGGTAATGAATAATTGCCTCTTTG	27	Genes and Environment (2015) 37:24

Reaction Components

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

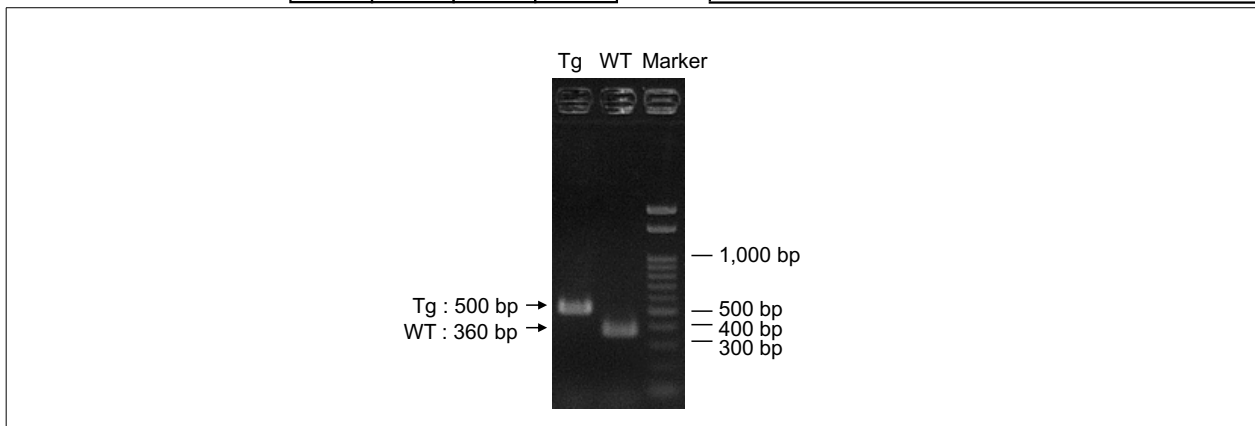
Reagent	Conc	Reaction 1	2	3	4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq	1 U/ μ l	0.2			
total		20			

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	360 bp	WT
primer 1	primer 3	500 bp	Tg
			+/+ : 360 bp Tg/+ : 500 bp, 360 bp Tg/Tg : 500 bp

Comment **Standard PCR** Zygosity determination PCR

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