

RBRC 09549

Strain name STOCK-Tg(Aif1-tTA)75Kftnk

Primer	primer_name	primer_seq	length	Reference
1	lba1552U	ATGCCTGGGAGTTAGCAAGGGAAT	24	Depositor's primer
2	tTA_R	CCAGGGTCTCGTACTGCTTC	20	Depositor's primer
3	oIMR0015	CAAATGTTGCTTGTCTGGTG	20	JAX Genotyping Protocol
4	oIMR0016	GTCAGTCGAGTGCACAGTTT	20	JAX Genotyping Protocol

### Reaction Components

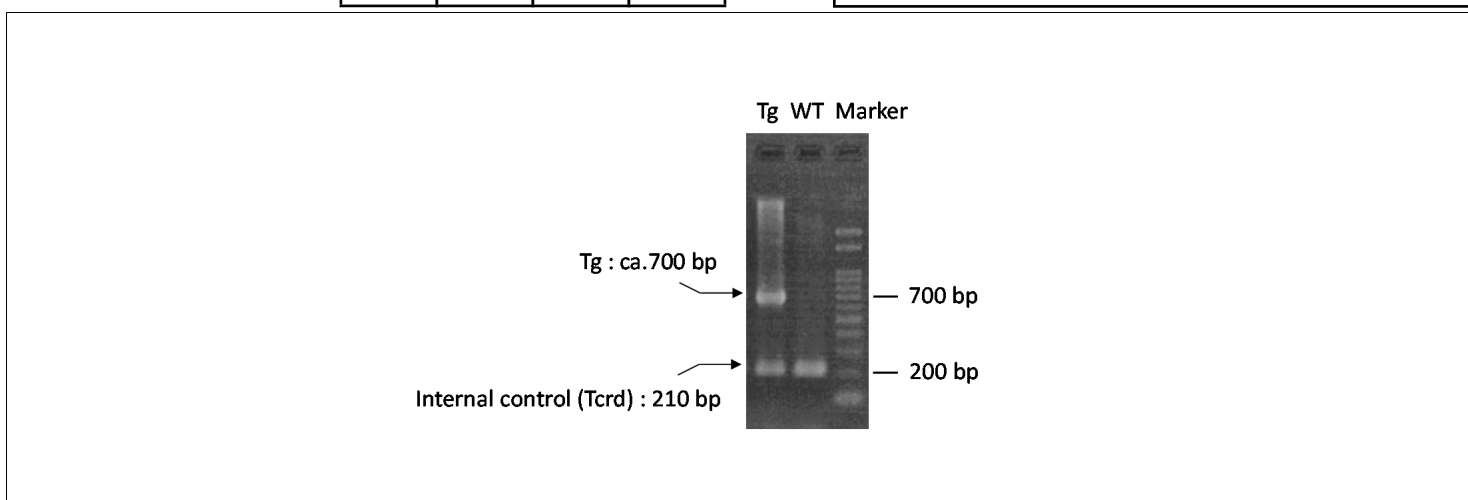
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

### Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4	( $\mu$ L)
H2O		0.8				
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
primer 1	10 pmol/ $\mu$ l	1.0				
primer 2	10 pmol/ $\mu$ l	1.0				
primer 3	10 pmol/ $\mu$ l	1.0				
primer 4	10 pmol/ $\mu$ l	1.0				
DNA		1.0				
Taq	1 U/ $\mu$ l	0.2				
<b>total</b>		20				

**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	ca. 700 bp	Tg
primer 3	primer 4	210 bp	Internal control (Tcrd)

**Comment** Standard PCR

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