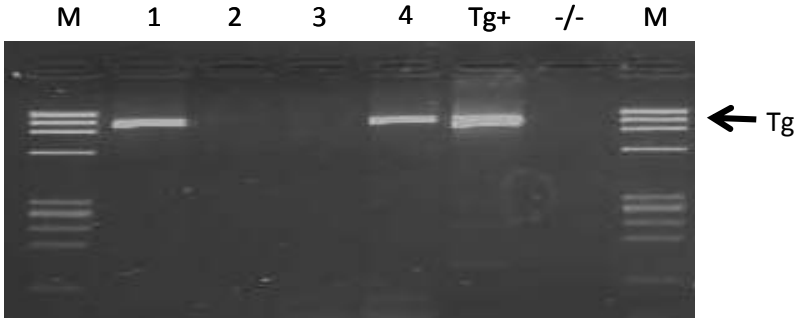
Transgene	Gnrh1-EGFP

primer	Sequence(5'-3')	Size	target gene	accession
F2(Forward)	TACTATGGTCTATGCTGCACT	1015 bp	GFP	
ER1(Reverse)	ATCTGAAGAAGTCGTGCTGCT			
comment	F2 is designed at 3017 of rat GnRH promoter (Accession number: X62651) ER1 is designed at 334-356 of pEGFP1 (Accession number: U55761) GnRH-EGFP gene: rat GnRH promoter (3142 bp)-rabbit globin intron (640 bp)-EGFP (820bp)			

PCR condition							
Taq polymerase		BIOTAQTM HS DNA Polymerase(BIOLINE, London, UK)					
Thermal cycler		PC-808(ASTEC)					
PCR buffer		Ampdirect®Plus (Shimadzu Corporation, kyoto, Japan)					
		first denature	**denature**	**anneal**	**extension**	**cycle**	**final extension**
PCR	℃	94	94	60	72	35	72
	min	3	0.5	0.5	1		3
comment		PCR method; Blood was applied to FTA®card (GE Healthcare UK Ltd.,UK) and dried. 1.5mm FTA disc was removed from the bloody-stanined region on FTA®card. Untreated sample discs were placed directly in 15 μL PCR mixture containig 1 × Ampdirect®Plus, 0.2 μM each primer and 0.4 units of BIOTAQTM HS DNA Polymerase.					

Electrocataphoresis ;4% agarose gel



Lane 1,4 ; Tg positive
Lane 2,3 ; Tg negative
Tg+ ; Tg positive control
-/- ; Tg negative control (water)

M; size marker ; φX174-HaeⅢ

Strain	W-Tg(Gnrh1-EGFP)Nphy