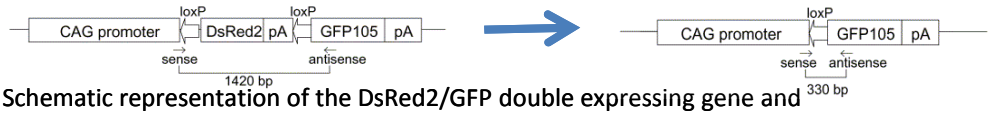
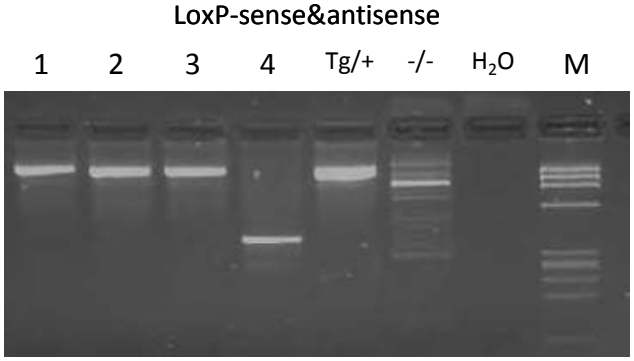
Transgene	*LoxP site*

primer	Sequence(5'-3')	Size	target gene	accession
LoxP-sense-F	CAACGTGCTGGTTGTTGTGC	1420bp 330bp		
LoxP-antisense-R	CTTCGGGCATGGCGGACTTG			
comment	 Schematic representation of the DsRed2/GFP double expressing gene and Cre recombinase-mediated LoxP site-specific recombinattion.			

PCR condition							
Taq polymerase		BIOTAQ™ 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	1	1.5		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 15μL PCR mixture containig 1×Ampdirect®Plus, 0.2μM each primer and 0.4 units of BIOTAQTM HS DNA Polymerase.					

Electrocataphoresis ;4% agarose gel

LoxP-sense&antisense



Lane 1-3 ; double reporter Tg positive
Lane 4 ; Cre recombinase
Tg+ ; Tg positive control

-/- ; Tg negative control (Wild Rat)

M; size marker ; φX174-HaeⅢ

Strain	W-Tg(CAG-DsRed2/GFP)15Jmsk