


Transgene	S100 β -EGFP
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primer	Sequence(5'-3')	Size	target gene	accession
s100b-GFP-F	CTTGCCTAGGAAGCACAAGG		GFP	
s100b-GFP-R	TCCAGCTCGACCAGGATG			
comment	The rat S-100 β promoter (-5030 to +4029) including intron 1 linked to coding sequence for enhanced GFP.			

PCR condition							
Taq polymerase		BIOTAQ™ HS DNA Polymerase(BIOLINE, London, UK)					
Thermal cycler		PC-808(ASTEC)					
PCR buffer		Ampdirect Plus					
		first denature	denature	anneal	extension	cycle	final extension
PCR	°C	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–stained region on FTA®card. Untreated sample discs were placed directly in 15 μ L PCR mixture containig 1 × Ampdirect®Plus, 0.2 μ M each primer and 0.4 units of BIOTAQ™ HS DNA Polymerase.					

Electrocataphoresis ;4% agarose gel 300V, 30min	
<div> <div>123456Tg⁺/-DW M</div>  </div>	
Strain	W-Tg(<i>S100b</i> -EGFP)Scell