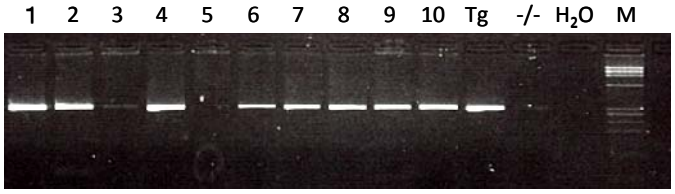
Transgene	Slc32a1-YFP*

primer	Sequence(5'-3')	Size	target gene	accession
Pr385EGFP	TGAACCGCATCGAGCTGAAGGG	307bp	EGFP,EYFP	U55761
Pr386EGFP	TCCAGCAGGACCATGTGATCGC			
venus-3tg	TGAGCTACCAGTCCGCCCTGAGCAA	400bp	VGAT-venus	
VGAT-1tg	CGCTCACCTTGGCCTGGGACTTGTT			
comment				

PCR condition							
Taq polymerase		BIOTAQ™ 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	40	72
	min	3	0.5	1	0.75		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.					

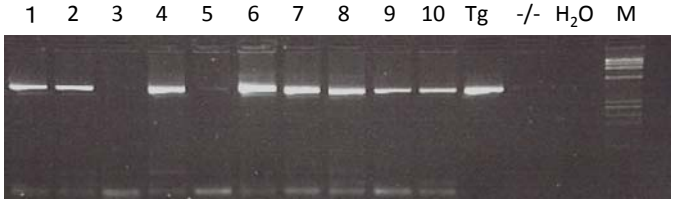
Electrocataphoresis ;4% agarose gel

Pr385EGFP＆Pr386EGFP



Lane 1,2,4,6-10 ; Tg positive
Lane 3,5 ; Tg negative
Tg ; Tg positive control (Rat Genome DNA)
-/- ; Tg negative control (Rat Genome DNA)
M; size marker ; φX174-HaeⅢ

venus-3tg＆VGAT-1tg



Lane 1,2,4,6-10 ; Tg positive
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Tg ; Tg positive control (Rat Genome DNA)
-/- ; Tg negative control (Rat Genome DNA)
M; size marker ; φX174-HaeⅢ

Strain	W-Tg(Slc32a1-YFP*)1Yyan W-Tg(Slc32a1-YFP*)2Yyan