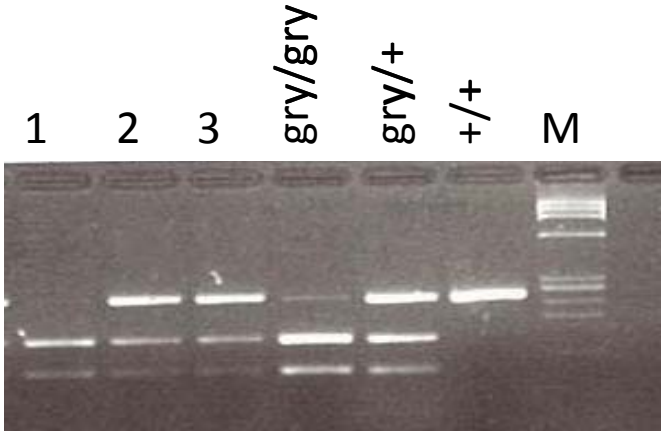
Gene symbol	*Cacna1a*^{gry}

primer	Sequence(5'-3')	Size	target gene	accession
rCacna1a-14-F	CGTCCTGAAGTCAATCATGAAG	256bp	*Cacna1a*	NM_012918.1
rCacna1a-14-R	AGTCTCAGCTGCTCTGTGGTT			
comment				

PCR condition							
Taq polymerase		BIOTAQTM HS DNA Polymerase (Bioline Reagents Ltd., UK)					
Thermal cycler		PC-808(ASTEC)					
PCR buffer		Ampdirect Plus					
		first denature	**denature**	**anneal**	**extension**	**cycle**	**final extension**
PCR	℃	94	94	60	72	35	72
	min	3	0.5	0.5	1		3
comment		①PCR 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 μ L PCR mixture containig 1 × Ampdirect®Plus, 0.2 μ M each primer and 0.4 units of BIOTAQTM HS DNA Polymerase. ②RFLP of PCR products; Cacna1a gry mutaion make *PsiI* cutting site in the Cacna1a gry /gry genome.					

Electrocataphoresis ;4% agarose gel 300V, 30min



M: (ϕX174/Hae III digest)

Strain harboring mutation	GRY/Idr, WTC.GRY-Cacna1a^{gry}/Kyo