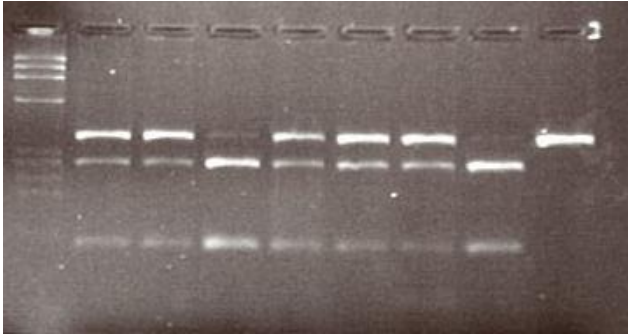


Gene symbol	<i>Scn1a</i> ^{m1Kyo}
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primer	Sequence(5'-3')	Size	target gene	accession
SCN1A-ex22-F SCN1A-ex22-R	TGACTTTTCTTTCTCTCCGTTTG TGGCTGCAATAATCACTTTGTT	380bp	Scn1a	NM_030875.1
comment	This strain possesses a point mutation in the Scn1a gene (N1417H) .			

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	°C	94	94	60	72	35	72
	min	3	0.5	0.5	1		3
comment		<p>①PCR 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 15µ L PCR mixture containig 1 × Ampdirect®Plus, 0.2µ M each primer and 0.4 units of BIOTAQTM HS DNA Polymerase.</p> <p>②RFLP of PCR products; <i>Scn1a</i>^{m1kyo} mutaiion make <i>Bcl</i>I cutting site in the Scn1a m1kyo /m1kyo genome.</p>					

Electrocataphoresis ;4% agarose gel 300V, 30min	
<p>M 1 2 3 4 5 6 Ho +/+</p> 	
Strain harboring mutation	F344- <i>Scn1a</i> ^{m1Kyo}