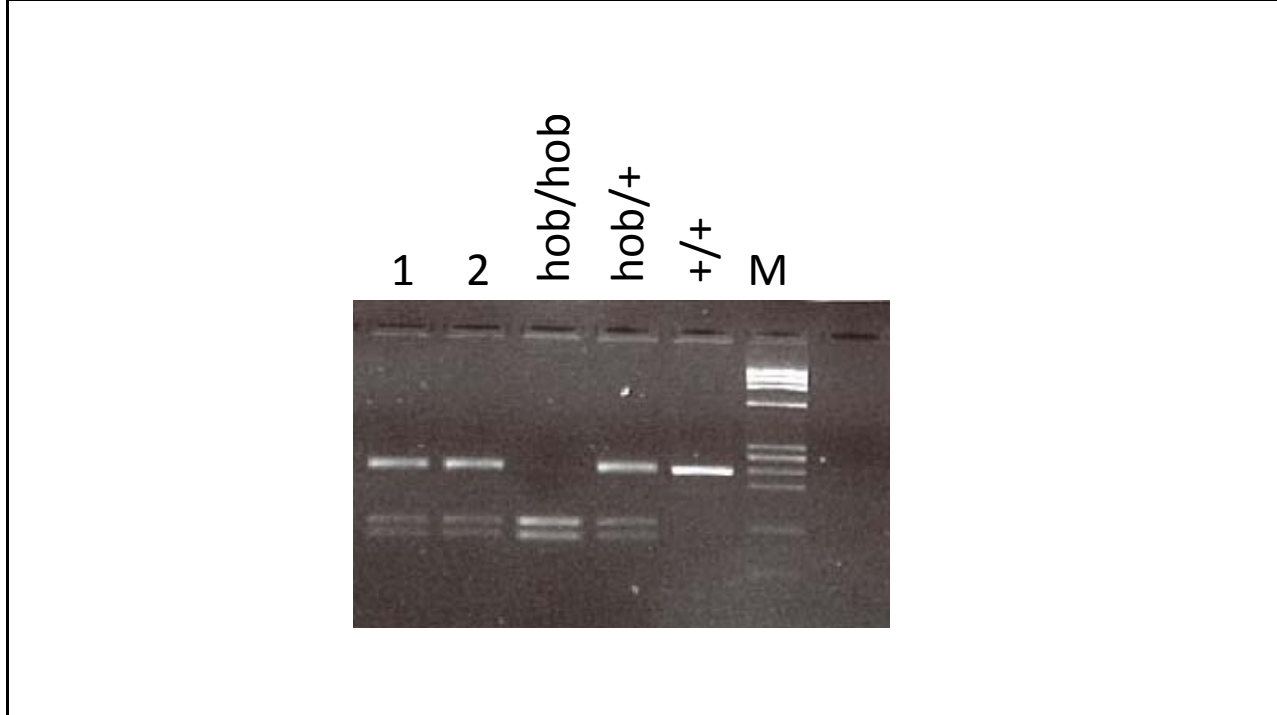


Gene symbol	<i>Unc5c</i> ^{hob}
-------------	-----------------------------

primer	Sequence(5'-3')	Size	target gene	accession
rUnc5h-13 rUnc5h-14	TGGGCGAGGATATCAGAAAC TCAAGTAATGGCCACCACAC	229bp	Unc5h	NM_199407.1
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	°C	94	94	55	72	35	72
	min	3	0.5	1	0.75		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 15 μ L PCR mixture containig 1 × Ampdirect®Plus, 0.2 μ M each primer and 0.4 units of BIOTAQTM HS DNA Polymerase.</p> <p>②RFLP of PCR products;Unc5c hob mutaion make PmlI cutting site in theUnc5c hob/hob genome.</p>					

Electrocataphoresis ;4% agarose gel 300V, 30min



Strain harboring mutation	HOB/Snk
---------------------------	---------