F9-KO(2)

品系全名	C57BL/6Smoc-*F9*^{em3Smoc}
目录号	NM-KO-200607
品系状态	胚胎冻存

基因信息

基因名 **F9**	**基因曾用名**	Cf9， Cf-9， AW111646
	NCBI ID	14071
	MGI ID	88384
	Ensembl ID	ENSMUSG00000031138
	人类同源基因	F9
	人类同源基因关联疾病	血友病

品系描述

通过敲除F9基因exon 1-8，建立F9-KO(2)小鼠模型。与此相似的品系还有F9-KO(NM-KO-18046)，敲除区域为exon 8。曾有基因修饰致死报导，详情点击基因信息中的MGI ID。

应用领域：血友病、F9因子缺失相关凝血机制研究和药物试验

*使用本品系发表的文献需注明: F9-KO(2) mice (Cat. NO. NM-KO-200607) were purchased from Shanghai Model Organisms Center, Inc..

疾病预测

血友病 **Hemophilia**	**近似模型的表型**	MGI:2175873
	参考文献	Wang L, Zoppe M, Hackeng TM, Griffin JH, Lee KF, Verma IM, A factor IX-deficient mouse model for hemophilia B gene therapy. Proc Natl Acad Sci U S A. 1997 Oct 14;94(21):11563-6

验证数据

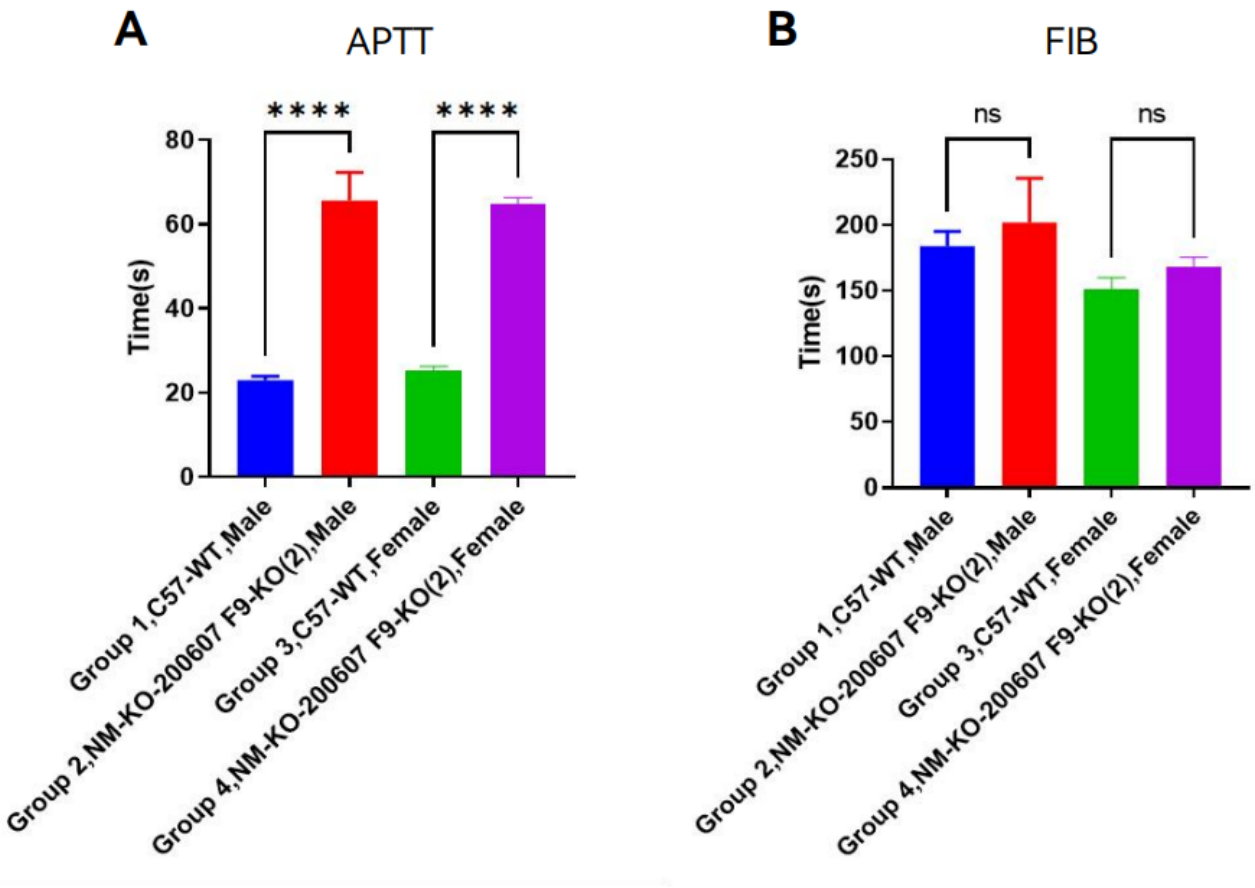

Fig1. Detection of the blood coagulation index in F9-KO(2) mice.

(A) Activated partial thromboplastin time (APTT) assay showed that F9-KO(2) mice took significantly longer to clot than WT mice.

(B) The results of fibrinogen(FIB) detection showed that there was no significant difference in FIB values between F9-KO(2) mice and WT mice.