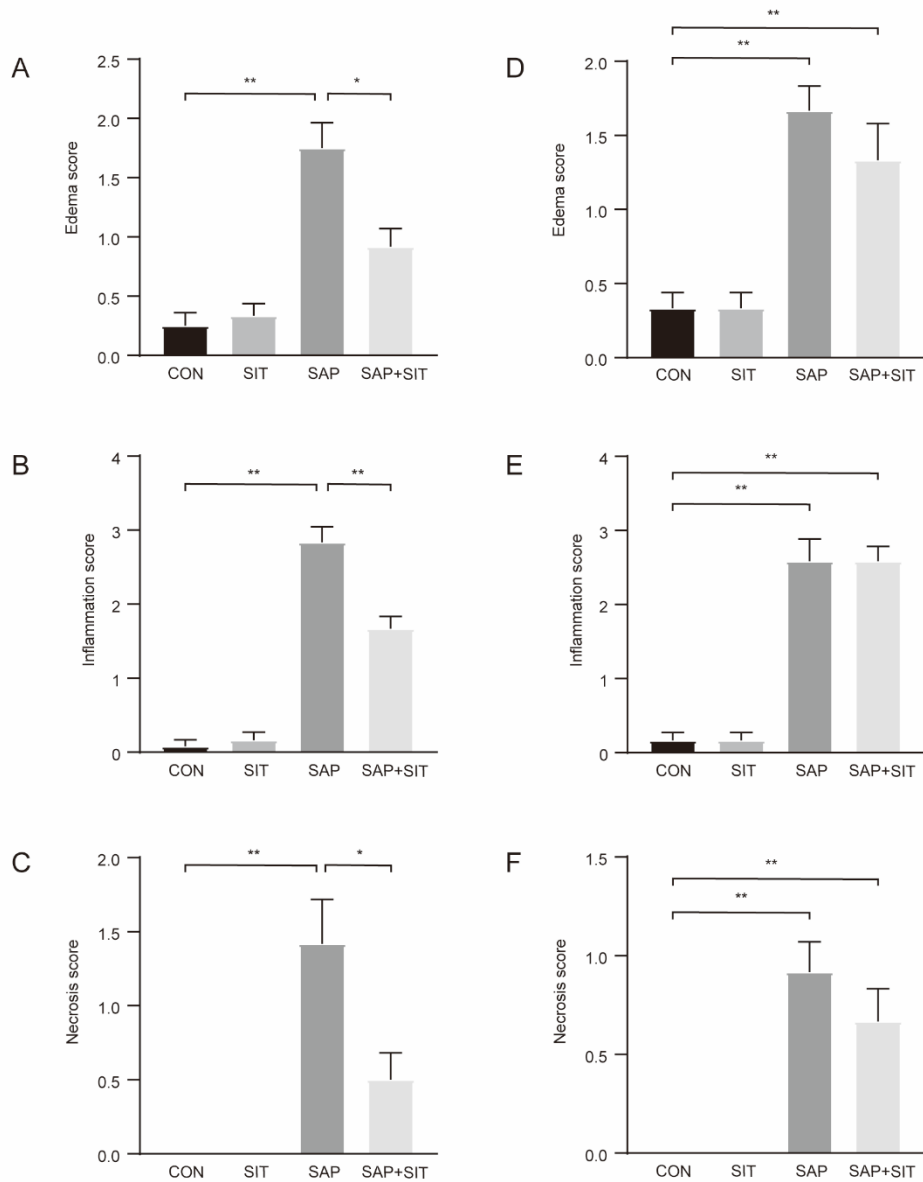
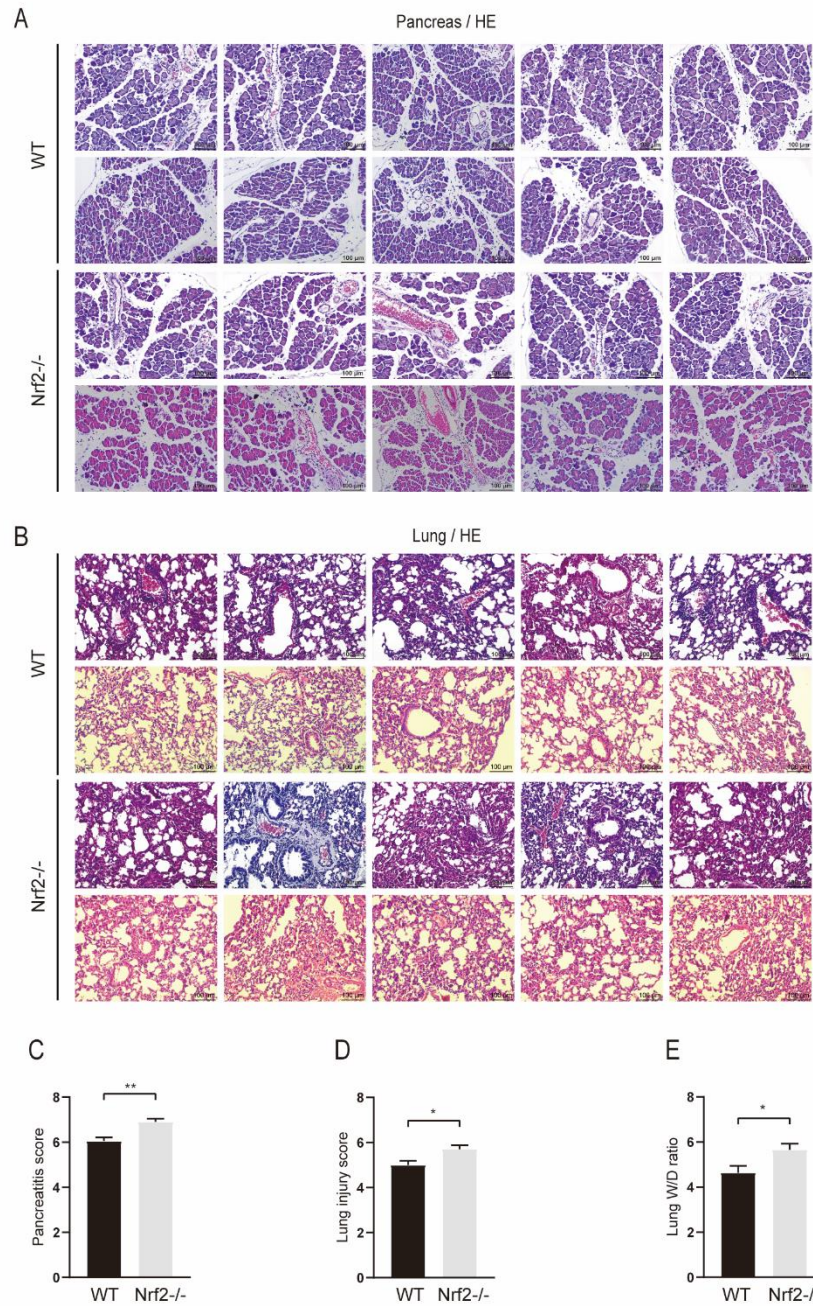




Supplementary Figure 1 Detailed histological scores of pancreatic damage. **a** Edema score of WT mice. **b** Inflammatory score of WT mice. **c** Necrosis score of WT mice. **d** Edema score of Nrf2^{-/-} mice. **e** Inflammatory score of Nrf2^{-/-} mice. **f** Necrosis score of Nrf2^{-/-} mice. *P < 0.01 and **P < 0.05. Data are presented as mean $\pm$ standard error of the mean (SEM) (n = 6).



Supplementary Figure 2 Nrf2-knockout mice had more severe inflammation. **a** Representative H&E staining of pancreas tissue (×200). **b** Representative H&E staining of lung tissue (×200). **c** The pancreatitis score. **d** The lung injury score. **e** The lung W/D ratio. *P < 0:01 and **P < 0:05. Data are presented as mean ± standard error of the mean (SEM) (n = 10).

麦杰生物基因鉴定报告

MJ0726-47

送检人	部门	品系编号	品系名称		项目类型	品系背景	样品类型	
沈洁	代理繁育	J017009	Nfe2l2		KO	B6J	鼠尾	
样品编号			样品数量	配繁信息			繁育代数	
1---10			10	mut/wt 配 mut/mut 或 mut/mut 配 mut/mut			N10+PN1F9+N 1F8	
测序信息				阳性对照	鉴定人	鉴定日期		
备注								
引物	S071	13444	GCCTGAGAGCTGTAGGCC		Wt: 262 bp			
	S072	13445	GGAATGGAAAATAGCTCCTGCC					
	S071	13444	GCCTGAGAGCTGTAGGCC		Mut: ~400bp			
	S073	oIMR8495	GACAGTATCGGCCTCAGGAA					
PCR 体系	Reaction Components		Volume (μL)					
	gDNA Template		2.0					
	10×Taq Buffer(mg ²⁺ plus)		2.0					
	dNTP Mixture (10 mM)		0.5					
	Primer mix (10 μM)		0.5					
	Taq DNA polymerase(5 U/μL)		0.5					
	Milli-Q H ₂ O		To 20μL					
PCR 程序	Seg.	Temp.	Time	Cycle	Seg.	Temp.	Time	Cycle
	1	95°C	5min		1	95°C	5min	
	2	95 °C	30s		2	95 °C	30s	
	3	60°C	30s		3	65°C	30s	-0.5 °C
	4	72 °C	30s	2-4,40	4	72 °C	30s	2-4, 20
	5	72 °C	3min		5	95 °C	30s	
	6	25 °C	hold		6	60 °C	30s	
	P2 引物加倍				7	72 °C	30s	5-7, 20
					8	72 °C	3min	
					9	25 °C	hold	
					P1 65-60TH			
	凝胶浓度	1.5%						

麦杰生物基因鉴定报告

电泳图	13444 13445 Wt: 262 bp 1 2 3 4 5 6 7 8 9 10 P B6 N 13444 oIMR8495 Mut: ~400bp 1 2 3 4 5 6 7 8 9 10 P B6 N <i>P: Positive Control, 为阳性对照</i> <i>B6: Negative Control 为阴性对照, 采用 B6 小鼠基因组 DNA</i> <i>N: No-Template Control 为无模板的对照</i> <i>DL2000 Marker: 2000bp\1000bp\750bp\500bp\250bp\100bp</i>
结果判定	B6.129X1-Nfe2l2tm1ywk/J Mut/Mut: 全部
其他	