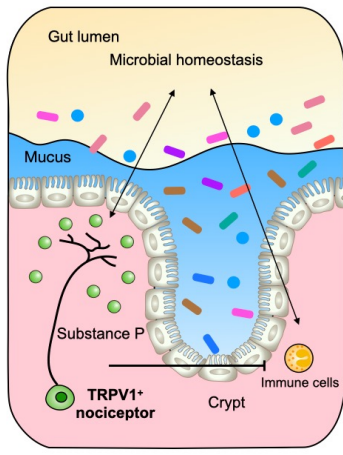
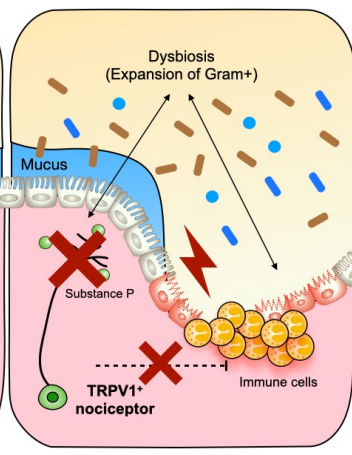


Figure S7

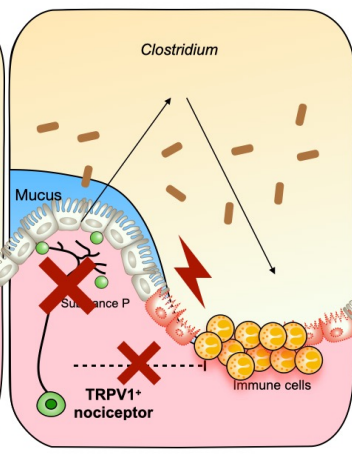
A. Homeostatic balance of microbiota-nociceptor-immune system



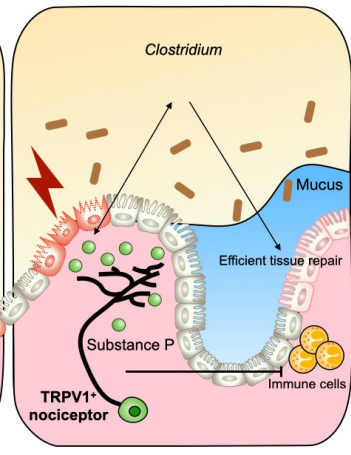
B. Disruption of nociceptor function results in dysbiosis and exacerbated intestinal damage and inflammation



C. Gram+ Clostridium spp. are sufficient to drive intestinal damage and inflammation in nociceptor-disrupted mice



D. Gram+ Clostridium spp. are sufficient to promote intestinal tissue protection in nociceptor-sufficient mice



Nociceptor function	Normal	Disrupted	Disrupted	Normal
Microbiota status	Normal	Dysbiosis	<i>Clostridium</i> spp.- mono-colonized	<i>Clostridium</i> spp.- mono-colonized
Inflammation/tissue protection	Homeostasis	Severe inflammation	Severe inflammation	Tissue protection