DKT protects the integrity of colonic epithelium by upregulating Muc2, the antimicrobial peptide gene Reg3 and the fucosyltransferase gene Fut2. (A) Muc2 mRNA expression in the colonic enterocytes after colitis induction (N=8 per group). (B) Immunofluorescence images of MUC2 expression (green) and DAPI (blue) staining in the rectal colonic tissue (Control N=3, DKT N=3, DSS N=4, DSS+DKT N=4). Scale bars represent 50 μm, inset scale bars represent 50 μm. (C) Reg3g and Fut2 mRNA expression in the colonic enterocytes after colitis induction (N=8 per group). Each symbol (A, C) represents data from an individual mouse. (A, C), results are pooled from two independent experiments with four mice in each experimental group and show means ± SEM; *p


This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.