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Basic and Translational Alimentary Tract

Increased Expression of DUOX2 is an Epithelial Response to Mucosal Dysbiosis Required for Immune Homeostasis in Mouse Intestine

Short Title:DUOX2 supports intestinal immune homeostasis

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Abbreviations: CD, Crohn's disease; cCD, colon-only Crohn's disease; GALT, gut-associated lymphatic tissue; GF, germ-free; GSEA, gene set enrichment analysis; IBD, inflammatory bowel disease; ILC, innate lymphoid cells; MLN, mesenteric lymph node; SFB, segmented filamentous bacterium; SPF, specific pathogen-free.

Author contributions
HG: designed study, acquired and analyzed data, prepared manuscript; JG, HNK, SK, MZ, KE, ABS: developed experimental tools; NK: supplied critical materials and reviewed manuscript; MEZ: performed microscopy; JLM and CO: contributed funding and reviewed manuscript. JYK: designed study, revised and edited manuscript, obtained funding.