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Differential expression of tumor-associated genes and altered gut microbiome with decreased *Akkermansia muciniphila* confer a tumor-preventive microenvironment in intestinal epithelial Ptendeficient mice.

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Abbreviations:

Apaf1, apoptotic peptidase activating factor 1; Casp7, caspase-7; Ccnd2, Cyclin D2; Cdc20, cell division cycle 20 homologue; IEC, Intestinal epithelial cells; Kdr, kinase insert domain receptor; Phosphatase and tensin homolog (Pten); Mcm2, minichromosome maintenance protein 2; Mal, MyD88 adaptor-like; PCNA, proliferating cell nuclear antigen; Sox10, SRY-box 10; Tirap, TIR domain–containing adaptor protein; TLR5, Toll-like receptor 5

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