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Pouch Inflammation is Associated with a Decrease in Specific Bacterial Taxa

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**Title: Pouch Inflammation is Associated with a Decrease in Specific Bacterial Taxa** 1

**Short title:** Specific bacterial taxa are reduced in pouch inflammation 2

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**Abbreviations:** CD, Crohn's disease; CLDP, Crohn's-like disease of the pouch; CRP, C-reactive 19

protein; FAP, familial adenomatous polyposis; IBD, inflammatory bowel diseases; IPAA, ileal 20

pouch-anal anastomosis; LEfSe, linear discriminant analysis with effect size estimation; PDAI, 21

pouchitis disease activity index; PDAI-E, pouchitis disease activity index(endoscopy); PDAI-C, 22

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