

Alterations in Kynurenine and NAD⁺ Salvage Pathways During the Successful Treatment of Inflammatory Bowel Disease Suggest HCAR3 and NNMT as Potential Drug Targets

Wnorowski et al. 2021

Supplementary Materials

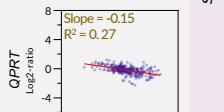
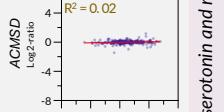
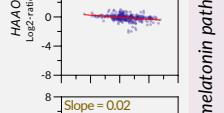
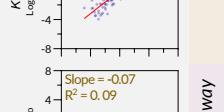
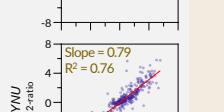
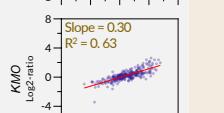
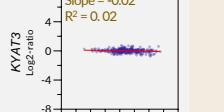
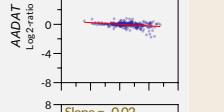
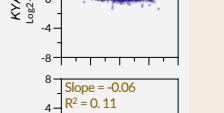
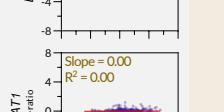
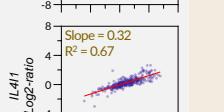
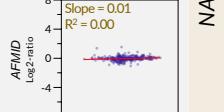
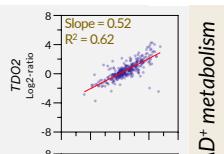
Figure S1: Correlation between changes in *IDO1* expression vs. change in the expression of genes related to tryptophan metabolism in inflammatory bowel disease (IBD) or intestinal neoplasms.

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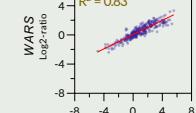
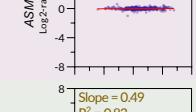
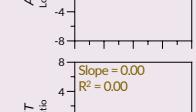
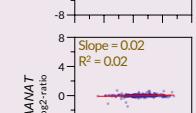
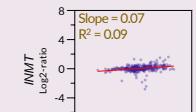
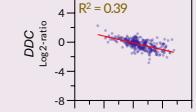
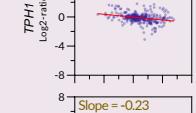
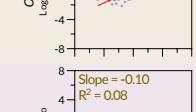
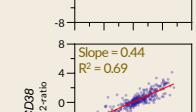
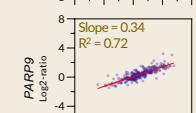
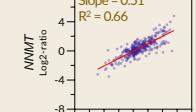
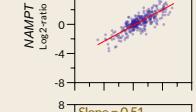
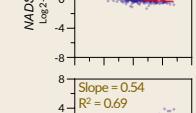
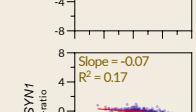
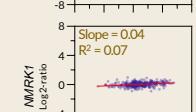
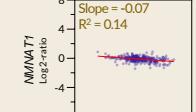
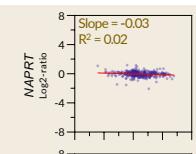
Figure S2: Expression profiles of genes related to tryptophan metabolism and NAD⁺ biosynthesis in the intestinal mucosa of healthy controls, patients diagnosed with inflammatory bowel disease (IBD), patients responding to infliximab treatment, and non-responders to infliximab.

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kynurenine pathway

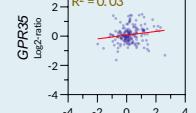
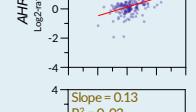
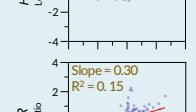
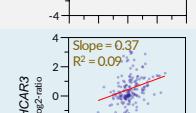
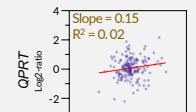
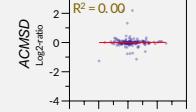
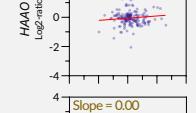
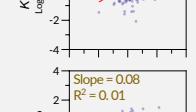
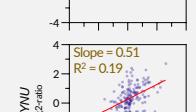
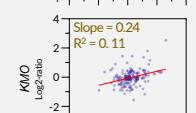
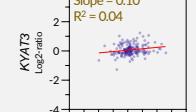
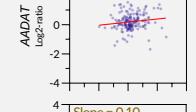
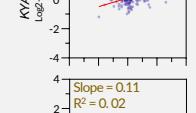
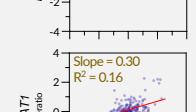
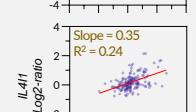
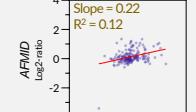
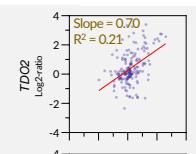


protein synthesis



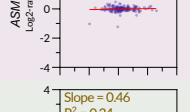
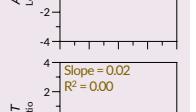
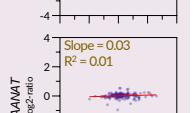
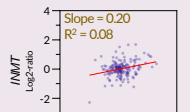
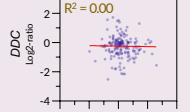
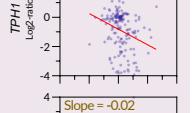
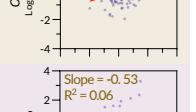
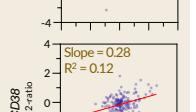
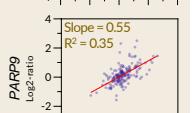
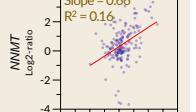
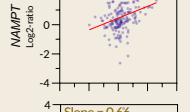
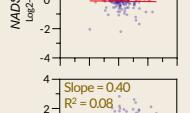
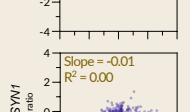
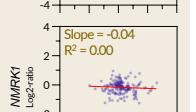
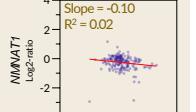
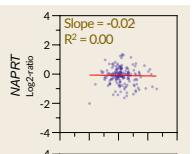
protein synthesis

kynurenine pathway



protein synthesis

kynurenic acid receptors



protein synthesis

Figure S1. Correlation between changes in *IDO1* expression vs. change in the expression of genes related to tryptophan metabolism in inflammatory bowel disease (IBD) or intestinal neoplasms.

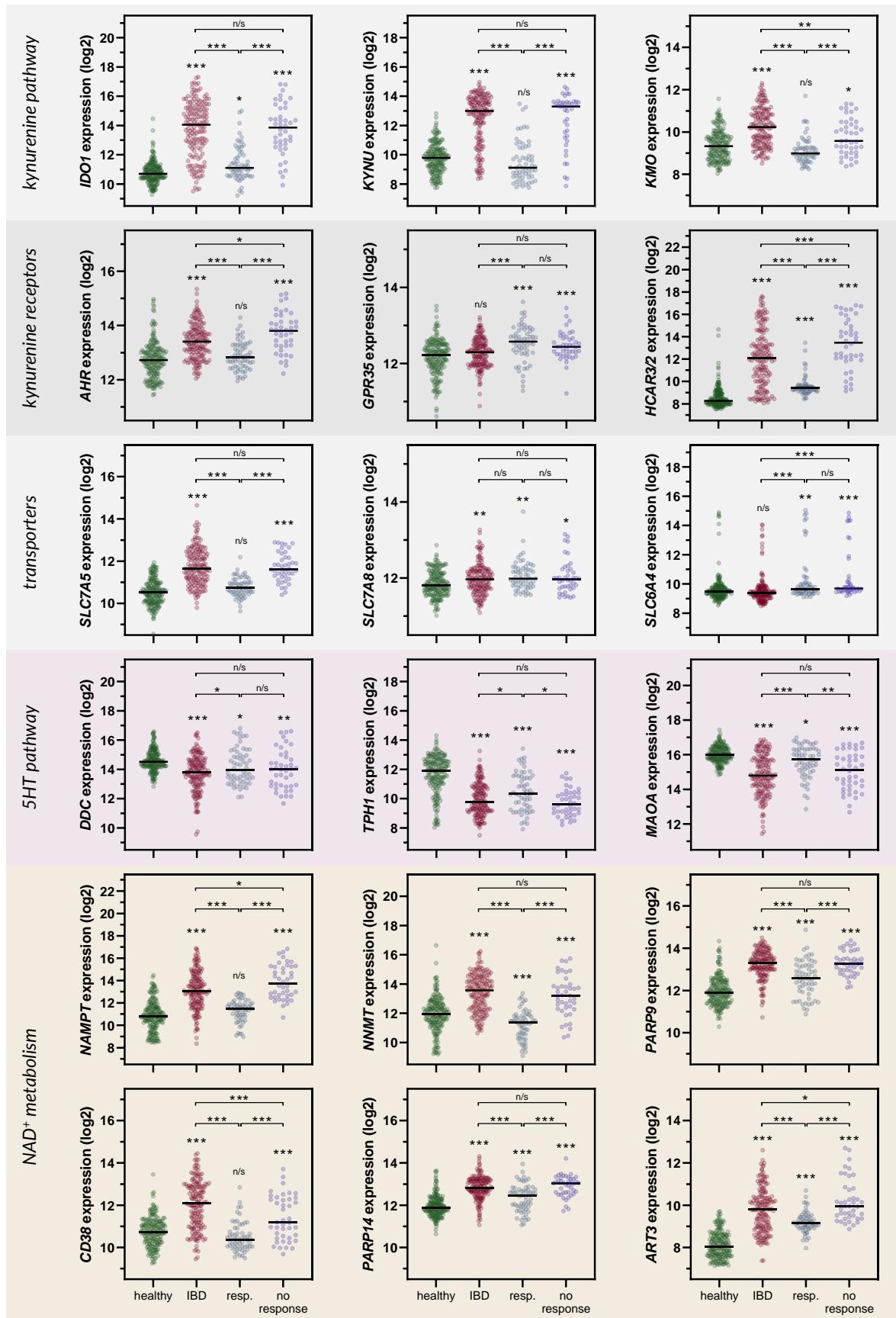


Figure S2. Expression profiles of genes related to tryptophan metabolism and NAD⁺ biosynthesis in the intestinal mucosa of healthy controls (*healthy*), patients diagnosed with inflammatory bowel disease (*IBD*), patients responding to infliximab treatment (*resp.*), and non-responders to infliximab (*no response*).