

Author Contributions

Jacob Barlow*, Gabriela Leite*, Anna E. Romano, Rashin Sedighi, Christine Chang, Shreya Celly, Ali Rezaie, Ruchi Mathur, Mark Pimentel, Rustem F. Ismagilov. 2021. "Quantitative sequencing clarifies the role of disruptor taxa, oral microbiota, and strict anaerobes in the human small-intestine microbiome." *Microbiome* 9:214.

*Joint first authorship

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Conceptualization, J.T.B., G.L., R.M., M.P., and R.F.I. Methodology, J.T.B., G.L., S.C., R.S., C.C.. Formal analysis, J.T.B.. Investigation, J.T.B, G.L., and A.E.R. Resources, G.L. Data curation, J.T.B., and G.L. Writing—original draft, J.T.B. Writing—review and editing, J.T.B., G.L., A.R., R.M., M.P., and R.F.I. Visualization, J.T.B. Supervision, M.P., and R.F.I. The author(s) read and approved the final manuscript.

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Detailed Contributions of Non-corresponding Authors

Jacob T. Barlow

- Major contributor to idea of applying absolute taxon load via quant seq to small intestinal aspirate samples
- Minor contributor to selection of samples during study design
- Major contributor to library prep for quant-seq
- Performed all digital PCR experiments
- Developed and performed analysis for all figures
- Generated all figures
- Wrote original draft of paper
- Managed all data and code archiving in public repositories

Anna E. Romano

- Major contributor to library prep for quant-seq
- Reviewed and edited original draft of paper

Gabriela Leite

- Major contributor to idea of applying absolute taxon load via quant seq to small intestinal aspirate samples
- Major contributor to selection of samples during study design
- Major contributor to patient data curation
- Developed method for DNA extraction from duodenal aspirates
- Minor contributor to DNA extraction
- Reviewed and edited original draft of paper

Shreya Celly

- Performed all duodenal bacterial cultures and samples processing prior DNA extraction
- Major contributor to DNA extraction

Rashin Sedighi

- Major contributor to patient recruitment
- Major contributor to blood and saliva collection

Christine Chang

- Major contributor to patient recruitment
- Major contributor to blood and saliva collection

Ali Rezaie

- Supervision of patient data curation
- Major contributor to patient upper endoscopy procedure and sample collection from duodenum
- Reviewed and edited original draft of paper

Ruchi Mathur

- Supervision of patient recruitment
- Reviewed and edited original draft of paper

Mark Pimentel

- Supervision of the study
- Major contributor to patient upper endoscopy procedure and sample collection from duodenum
- Reviewed and edited original draft of paper