5. Metabolomic data in Metabolomics Workbench

* **Step 1:** Go to the main metabolomics workbench page at [https://www.metabolomicsworkbench.org](https://www.metabolomicsworkbench.org/).

In the quick search at the top, search for the accession ST000899.

A screenshot of a web page

Description automatically generatedYou should find one match – click through so you can see it.

* **Step 2**: Answer the following questions

- What was the purpose of this study?

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| **Study Summary** | Non-invasive biomarkers are needed in inflammatory bowel disease (IBD) to help define disease activity and identify underlying pathogenic mechanisms. We hypothesized that serum metabolomics, which produces unique metabolite profiles, can aid in this search. The aim of this study was to characterize serum metabolomic profiles in patients with IBD, and to assess for differences between patients with ulcerative colitis (UC), Crohn disease (CD), and non-IBD subjects. Serum samples from 20 UC, 20 CD, and 20 non-IBD control subjects were obtained along with patient characteristics, including medication use and clinical disease activity. Non-targeted metabolomic profiling was performed using ultra-high performance liquid chromatography/mass spectrometry (UPLC-MS/MS) optimized for basic or acidic species and hydrophilic interaction liquid chromatography (HILIC/UPLC-MS/MS). |

- What biological material was collected for it?

Serum

- What experimental conditions does it contain and how many samples from each condition are there?