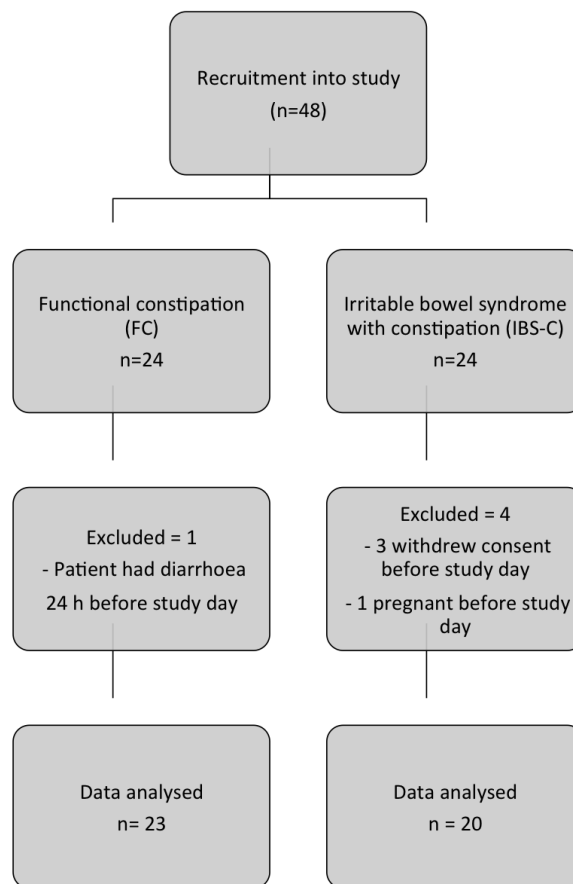
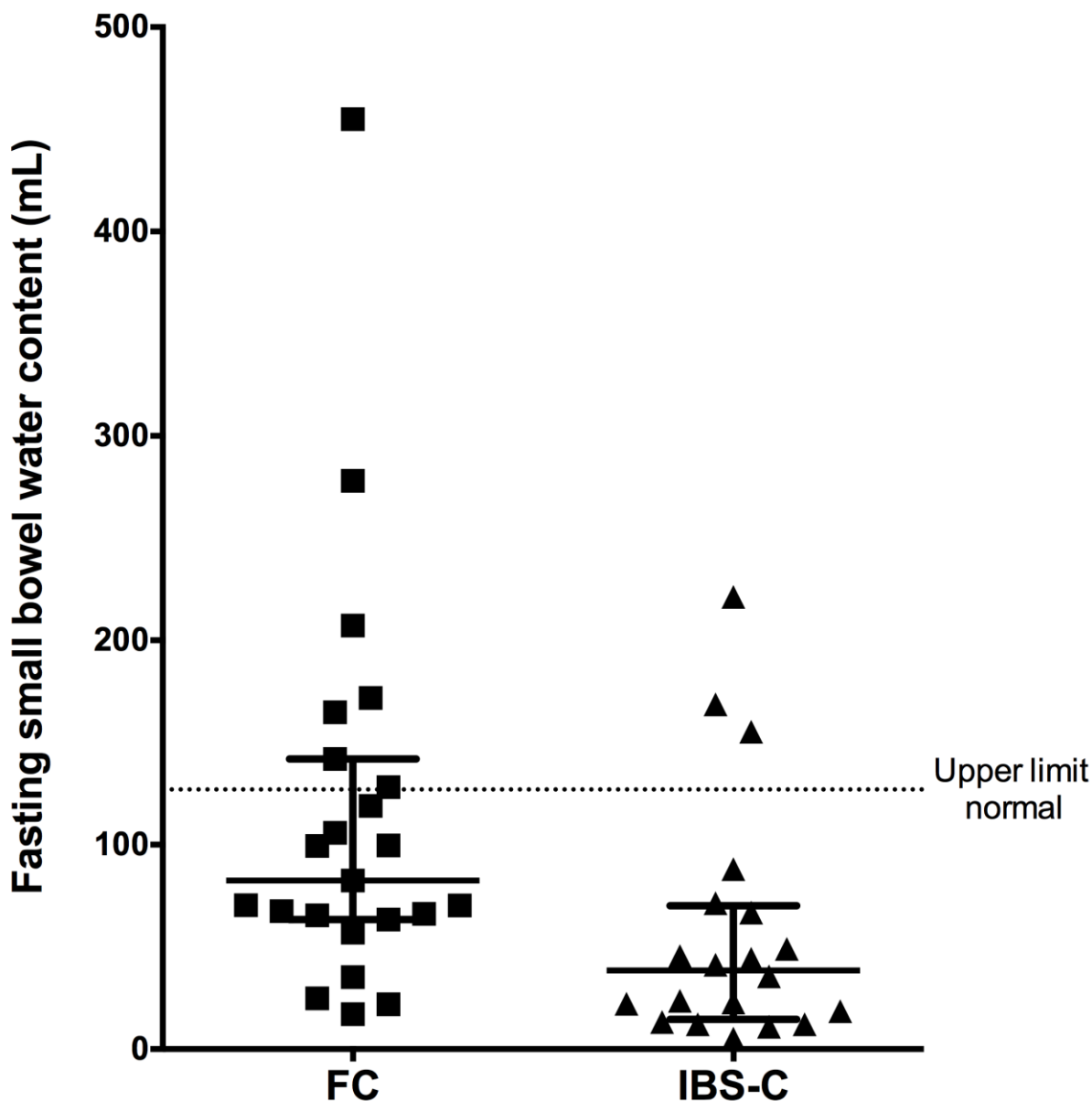


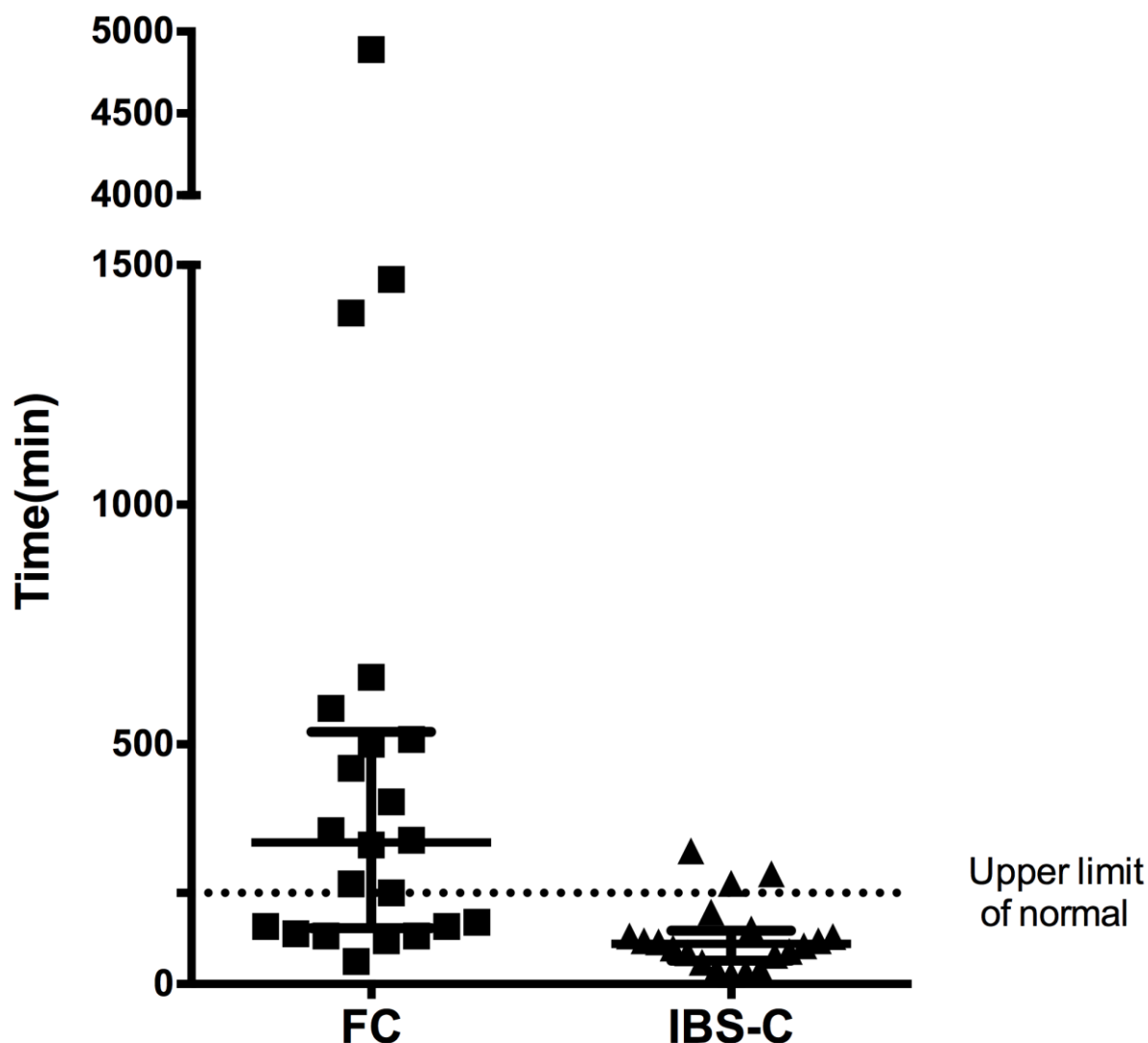
Supporting information:



Supplemental Figure 1: Consort diagram showing recruitment.



Supplemental Figure 2: Fasting small bowel water content (SBWC) in the Functional Constipation (FC) and Irritable bowel syndrome with constipation (IBS-C) patient groups as measured using MRI. Patients meeting FC criteria had significantly greater faster small bowel water content, $p < 0.01$. Using our upper limit of normal from previous studies 7 out of 23 (30%) of FC patients were elevated but only 3 out of 20 (15%) of IBS-C.



Supplemental Figure 3: Time to first bowel movement (min) following ingestion of Moviprep® for Functional Constipation (FC) and Irritable bowel syndrome with constipation (IBS-C) patients. Those with FC were significantly slower to respond, $p < 0.01$, with 60% exceeding our upper limit of normal of 6 hours while only 3 IBS-C patients did, and by only a short time whereas some FC patients took several days to respond.