

Figure S1. Tumor burden (mm<sup>2</sup>/cm) in intestines of mice fed adequate and excess iron, at wk 10.

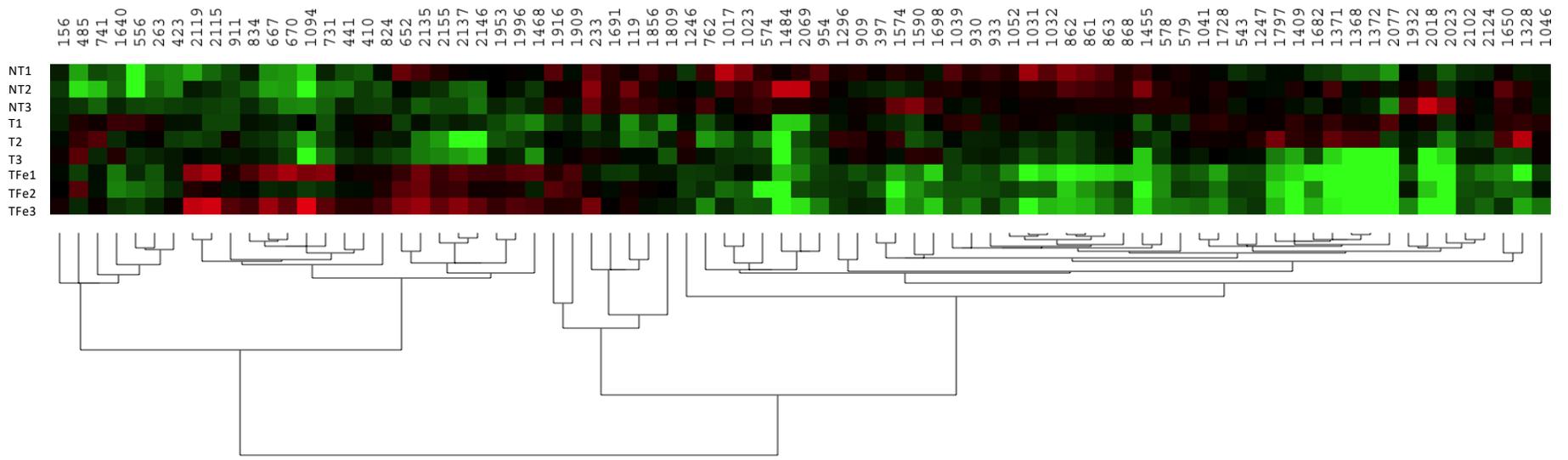


Figure S2. Hierarchical clustering of differentially expressed protein spots in tumor (T) and adjacent non-tumor (NT) intestinal tissue. Color differences illustrate log-transformed volume of protein spots; Samples, in triplicate, are from the different experimental groups are indicated on the column labels, with protein spots numbers displayed on the y-axis. Red color indicates high level expression, green color indicates low expression, and black indicates median expression. (Key: NT and T = normal and tumor tissues from the adequate iron group; TFe = tumor tissue from the excess iron group.)

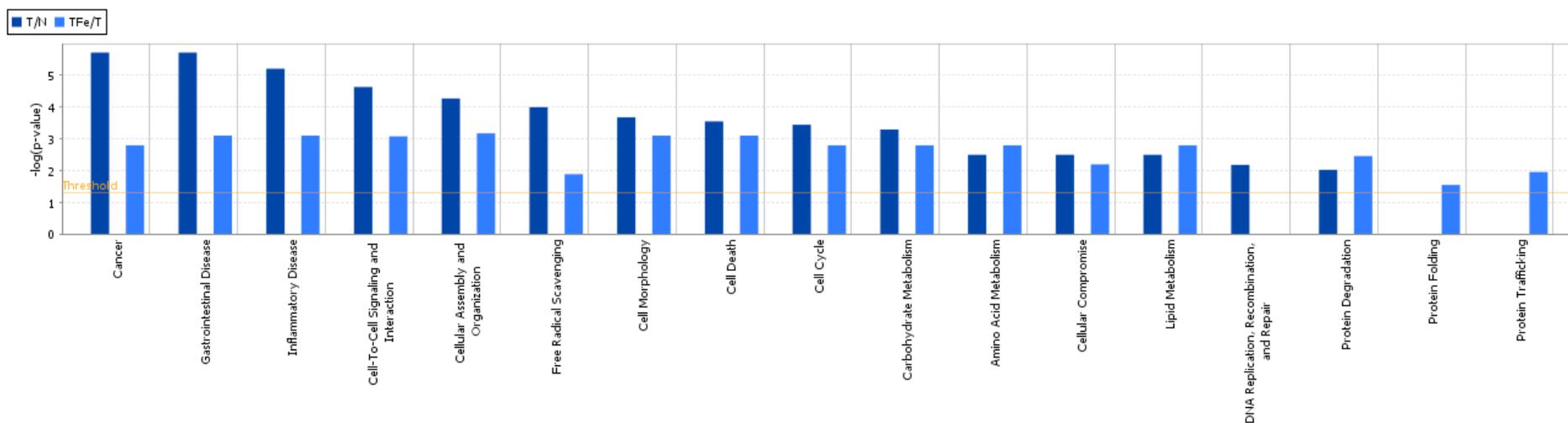


Figure S3. Using Ingenuity Pathways Analysis, we found 4 highly significant functional networks in tumor as compared to normal tissue and 2 in tumors from mice fed adequate as compared to high iron. Notably, the top network in both cases was associated with functions implicated in cancer and cell death. (Key: "T/NT" = 45 mg/kg dietary iron tumor vs. non-tumor tissue; "TFe/T" = 450 mg/kg dietary iron tumor vs. 45 mg/kg dietary iron tumor tissue).