A high-fat diet regulates genes in the colon. The number of regulated genes in the proximal, middle, and distal colon of young and old individuals is shown in the graph. The graph also shows the regulation status of genes, with down-regulated genes represented by grey bars and up-regulated genes represented by black bars. The graph includes categories for hepatic system disease, gastrointestinal disease, vitamin and mineral metabolism, lipid metabolism, and small molecule biochemistry.

B) The bar graph shows the -log p-value for these categories in young and old proximal, middle, and distal colon tissues.