Review of: "Regular Consumption of Lacto-fermented Vegetables has Greater Effects on the Gut Metabolome Compared with the Microbiome"

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Potential competing interests: No potential competing interests to declare.

Guse et al. performed a study to explore whether regular consumption of lacto-fermented vegetables has effect on the gut metabolome and microbiome. LFV consumers and non-consumers were recruited, and their stool samples were collected. Then microbial DNA amplicon sequencing (16s rRNA and ITS2) and untargeted metabolomics (LC-MS) were performed to analyze stool samples. As result data showed that only minor effects on microbial community composition based on LFV consumption, but greater effects on their fecal metabolome. Also, the consumers of fermented vegetables showed minor differences in background diet and lifestyle behaviors compared to non-consumers, whether changes in microbiome have an effect on metabolites is worthy of study.

For “Sample preparation for LC-MS analysis” part, “-80C” should be revised as “-80°C”.