

## Supporting Information

### Untargeted Metabolomics and Gut Microbiota Modulation Study of Fermented Brown Rice for Obesity

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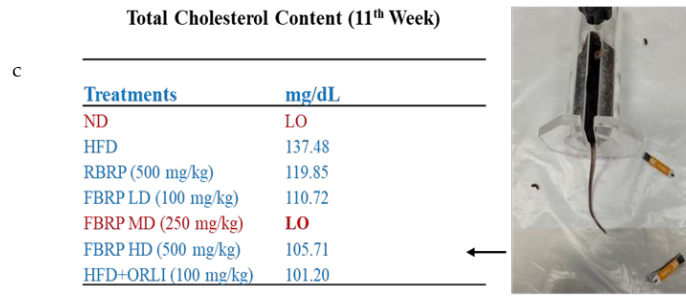
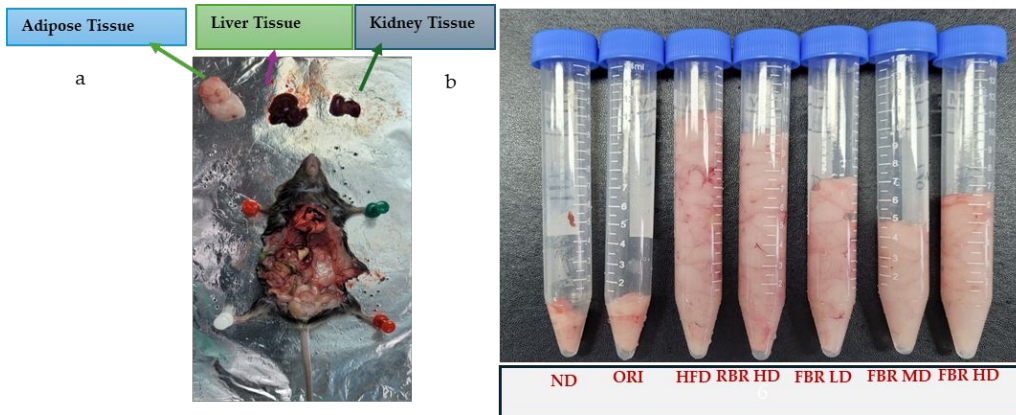


Figure S1. Dissection procedure on 11th week FBR treatments: (a) general view of the adipose, liver, and kidney, (b) collection of Adipose (n=7), (c) Total Cholesterol Checked by Bene Check Monitoring System.

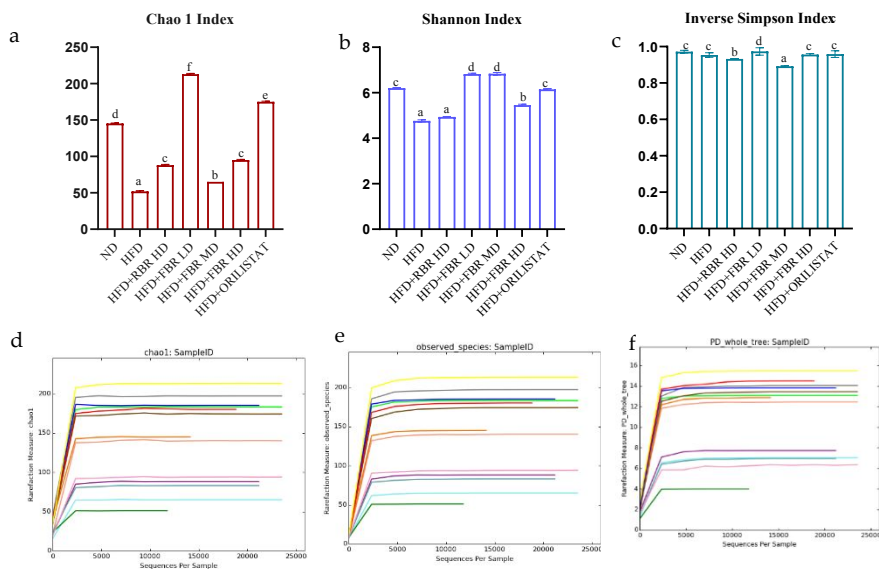


Figure S2. FBR improves HFD-induced obesity in mice gut microbiota. (a) Chao Index, (b) Shannon Index, (c) Inverse Simpson Index, (d, e, f) Alpha rarefaction plots of identified species/OTU.

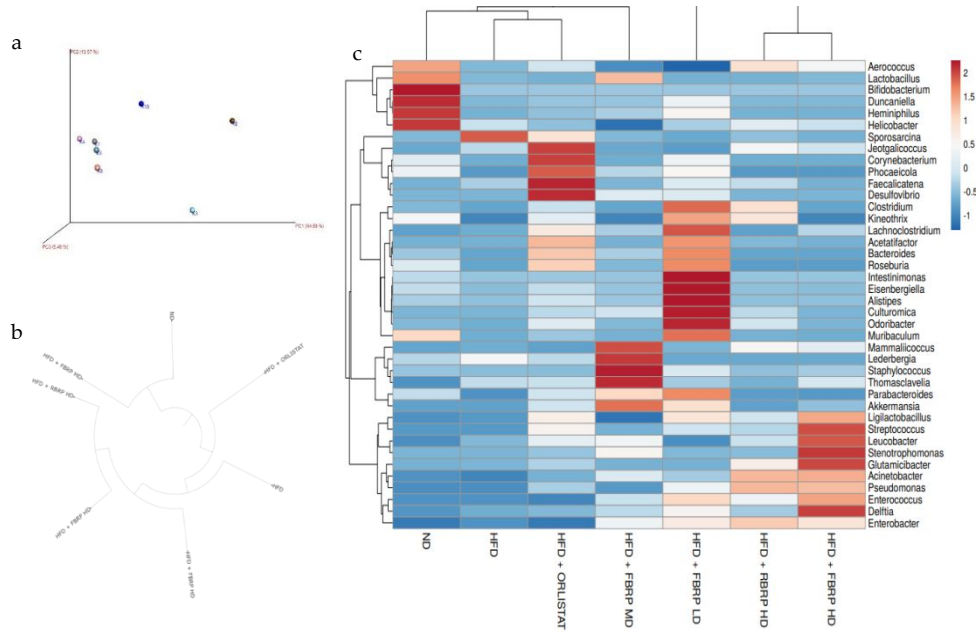


Figure S3. FBR improves HFD-induced obesity in mice gut microbiota. (a) Weighted Unifrac PCoA Plot, (b) Phylogenetic tree, (c) Heatmap of gut microbiota composition in different groups a genus level.