

Description of Additional Supplementary Files

File name: Supplementary Data 1.

Description: The altered KOs by HFD or extracts/compounds administration.

File name: Supplementary Data 2.

Description: The altered functional metabolic pathways by HFD or extracts/compounds administration.

File name: Supplementary Data 3.

Description: CSE, TA, RG and AO ameliorated liver weight indices and fat accumulation, liver injury and inflammation, intestinal mucosal barrier injury and altered microbiota diversity in HFD-fed mice (Raw data).

File name: Supplementary Data 4.

Description: CS effects on fat accumulation, liver injury and inflammation, and intestinal mucosal barrier injury are transferred via FMT (Raw data).

File name: Supplementary Data 5.

Description: Extracts or compounds administration ameliorate antibiotic-induced dysbiosis in HFD-fed mice (Raw data).

File name: Supplementary Data 6.

Description: Genera changes by HFD and extracts or compounds administration (Raw data).

File name: Supplementary Data 7.

Description: KEGG pathway analysis (Raw data).