



**Figure S1:** Scatter plots for the causal association between gut microbiota and HE. (A) genus Bifidobacterium (B) family Bifidobacteriaceae (C) order Bifidobacteriales. Leave-one-out plots for the causal association between gut microbiota and HE. (D) family Bifidobacteriaceae (E) family Bifidobacteriaceae (F) order Bifidobacteriales. MR, Mendelian Randomization; HE, hepatic encephalopathy.