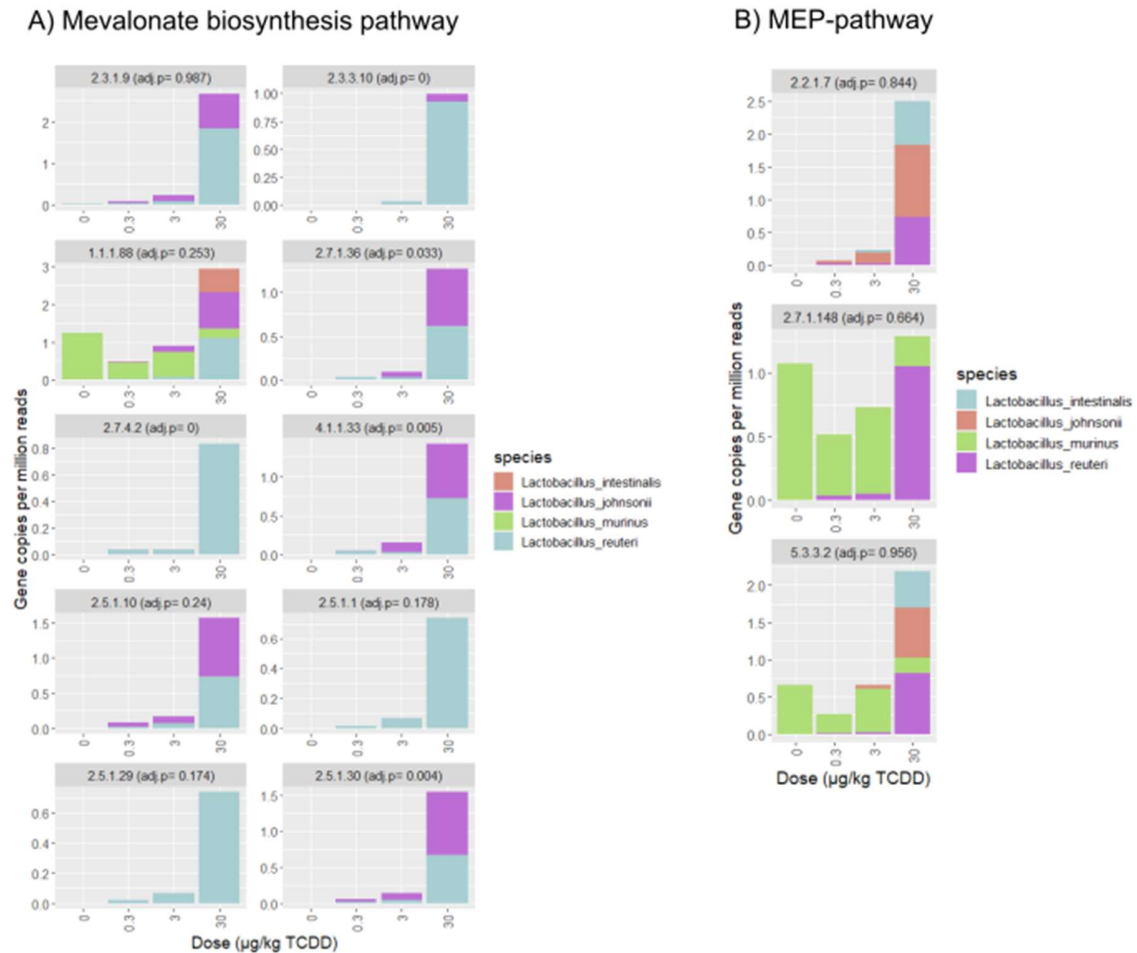


## Supplemental Material



**Figure S1.** Stacked bar plots of annotated EC number mean relative abundance and classified species involved in isoprenoid biosynthesis in cecum of TCDD-exposed mice. Male C57BL6 mice were orally gavaged with sesame oil vehicle or 0.3, 3, or 30 µg/kg TCDD every 4 days for 28 days (n=3). Numbers beside each bar plot correlate with numbered EC number provided in the center schematic of isoprenoid biosynthesis. Adjusted *p*-values (adj. *p*) were determined by the Maaslin2 R package.





**Figure S3.** Stacked bar plots of annotated EC number mean relative abundance classified to respective genus and involved in mevalonate-dependent isoprenoid biosynthesis in cirrhosis patients. Fecal metagenomic samples were from healthy (H, n=52), compensated (C, n=48) or decompensated (D, n=44) diagnostically defined groups.