



**Supplemental Figure S4: *FxrKO* mice with HCC have a bloom of Verrucomicrobia, Tenericutes and Cyanobacteria.** (A-C) Male WT (n=15) and *FxrKO* (n=16) mice were aged for 16 months, fecal samples were snap frozen and bacterial DNA was extracted for 16S microbiota analysis. (A)  $\alpha$ -diversity, (B)  $\beta$ -diversity via Bray-Curtis, and (C) Linear discriminant analysis Effect Size (LEfSe) comparing WT and *FxrKO*. Results are expressed as means  $\pm$  SEM. N.S., non-significant.