

**Supplementary Figure 4.** (A) Immunohistochemistry (IHC) for the myostatin in calf muscle was done in the liver cirrhosis (LC) (n=4) and rifaximin-treated LC (n=6) rats. The graphs comparing the occludin (left) or zona occludens (ZO)-1 (right) stained area in each group are presented. (B) Body and muscle weight were compared in the LC (n=4) and rifaximin-treated LC (n=6) rats. n.s, not significant.