Figure S1. Study design of animal experiments. A total of 48 Sprague-Dawley (SD) rats were used in this study. They were divided into 2- (n=16) and 4-weeks (n=32) groups. The 2-weeks group animals were subdivided into two groups to undergo sham operation or common bile duct ligation (CBDL) under ketamine anesthesia (100 mg/kg of body weight, intramuscular). In the 4-weeks group, the animals were divided into Sham (Sham+Tween; n=8), CBDL (CBDL+Tween; n=8), Que (Sham+quercetin; n=8), and CBDL+Que (CBDL+quercetin; n=8). Sham and Que groups underwent sham operation while the CBDL and CBDL+Que groups were submitted to CBDL. Two animals died in the CBDL group, leaving 6 animals in the analysis.