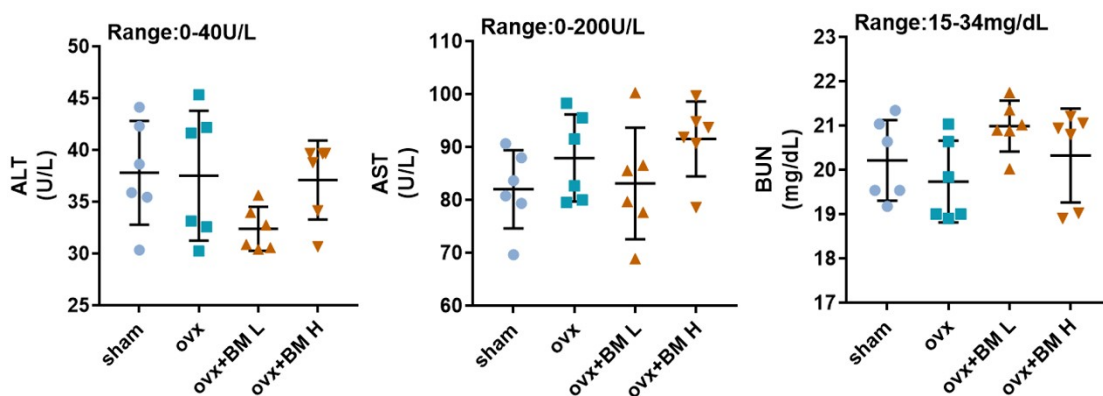


Supplementary Fig 1. The expression of *p16* and *p21* in MC3T3-E1 cells after treatment with H₂O₂. All bar charts are presented as mean ± SD. ***p* < 0.01, ****p* < 0.001.



Supplementary Fig 2. Blood chemistry profiles to evaluate the alterations of BM on the liver and kidney functions. The markers of liver and kidney functions tested including alanine aminotransferase (ALT), aspartate aminotransferase (AST) and urea nitrogen (BUN) were within the normal ranges.