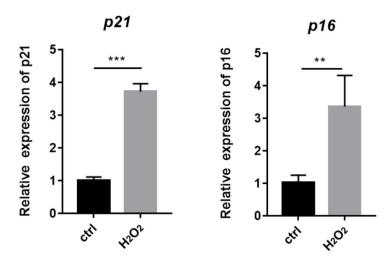
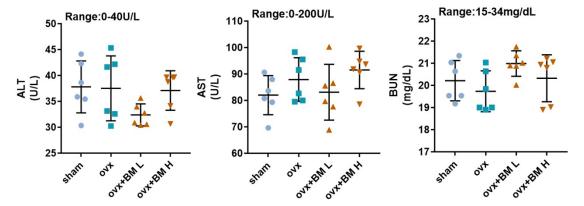
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Supplementary Fig 1. The expression of p16 and p21 in MC3T3-E1 cells after treatment with H<sub>2</sub>O<sub>2</sub>. All bar charts are presented as mean  $\pm$  SD. \*\*p<0.01, \*\*\*p<0.001.



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.