



**Supplementary Figure 1:** Western blotting images (A) and analysis of mPTP key proteins (VDAC in figure B, ANT in figure C) in normal, model, low-TSG, medium-TSG, high-TSG, Levocarnitine, and TSG + Levocarnitine groups. \* $P < 0.05$  vs. Normal; # $P < 0.05$  vs. Model, & $P < 0.05$  vs. Levocarnitine. ANT: Adenine nucleotide translocase; GAPDH: Glyceraldehyde 3-phosphate dehydrogenase; VDAC: Voltage-dependent anion channel; TSG: Tortoise-shell glue.