

SUPPLEMENTARY FIGURES

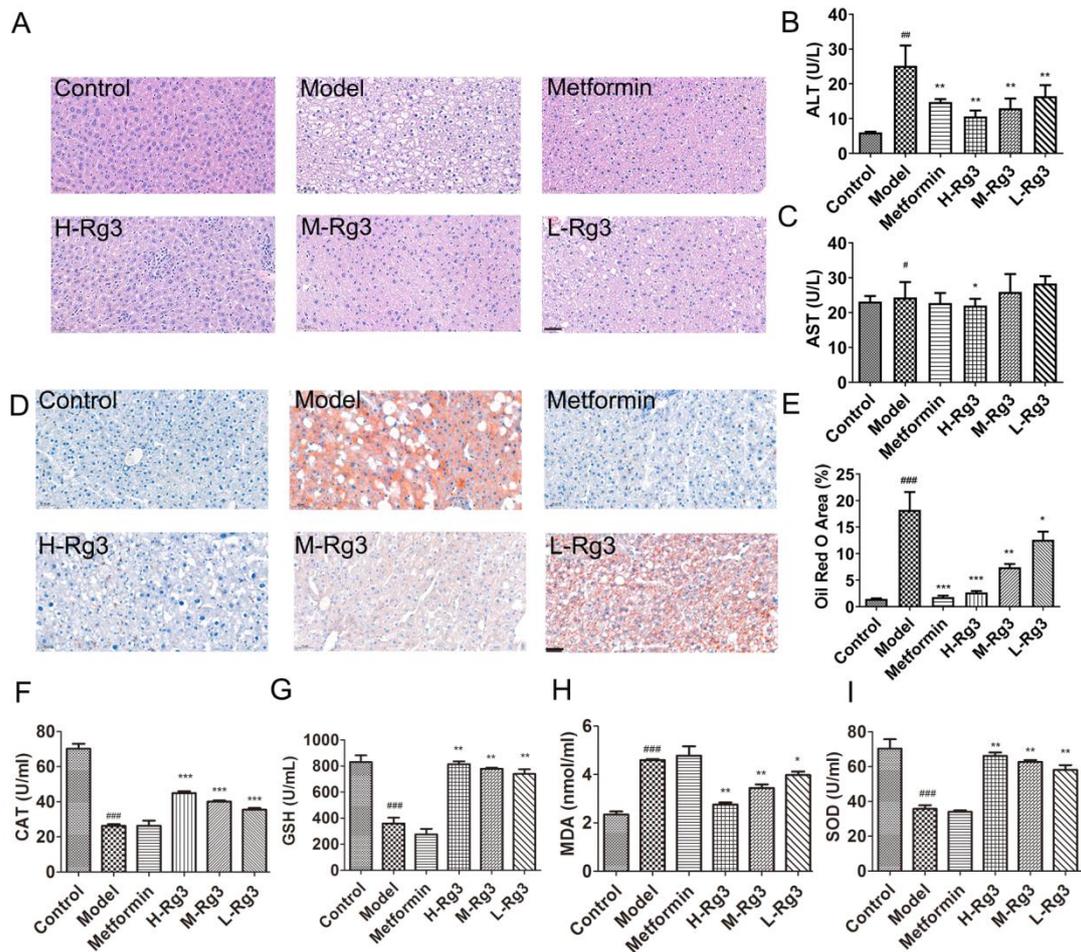
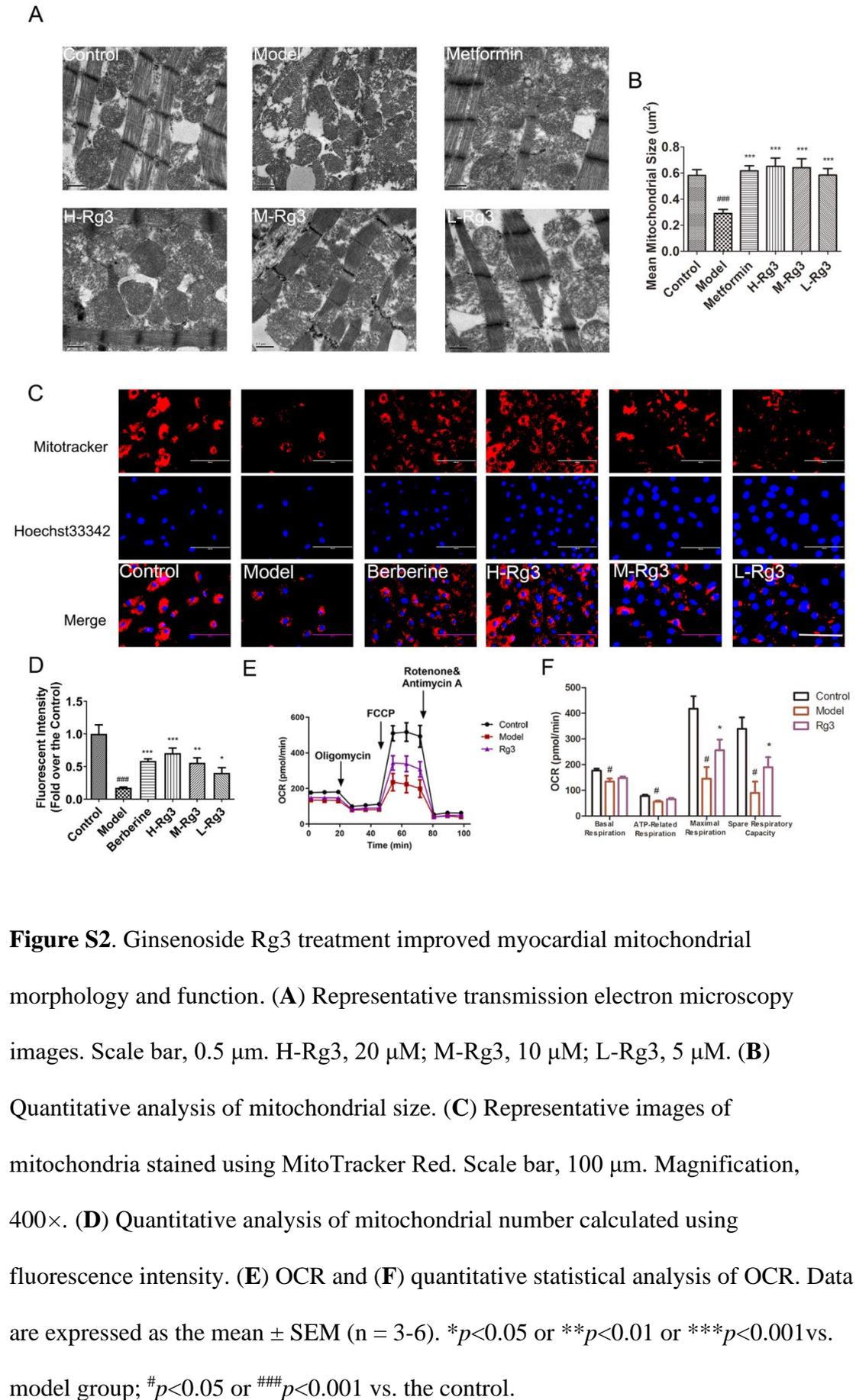


Figure S1. Ginsenoside Rg3 reduced lipid accumulation in the liver and promoted liver function. (A) representative images of HE staining and (D) representative images of Oil red O staining and (E) quantitative analysis of Oil red O stainings in five groups. Scale bar, 50 μ m. Magnification, 200 \times . Serum (B) ALT, (C) AST, (F) CAT, (G) GSH-px, (H) MDA, and (I) SOD levels in different groups. Data are expressed as the mean \pm SEM (n = 3-6). *** p <0.001, ** p <0.01 or * p <0.05 vs. model group; ### p <0.001 or ## p <0.01 or # p <0.05 vs. the control. H-Rg3, 100 mg/kg/day ; M-Rg3, 50 mg/kg/day; L-Rg3, 25 mg/kg/day.



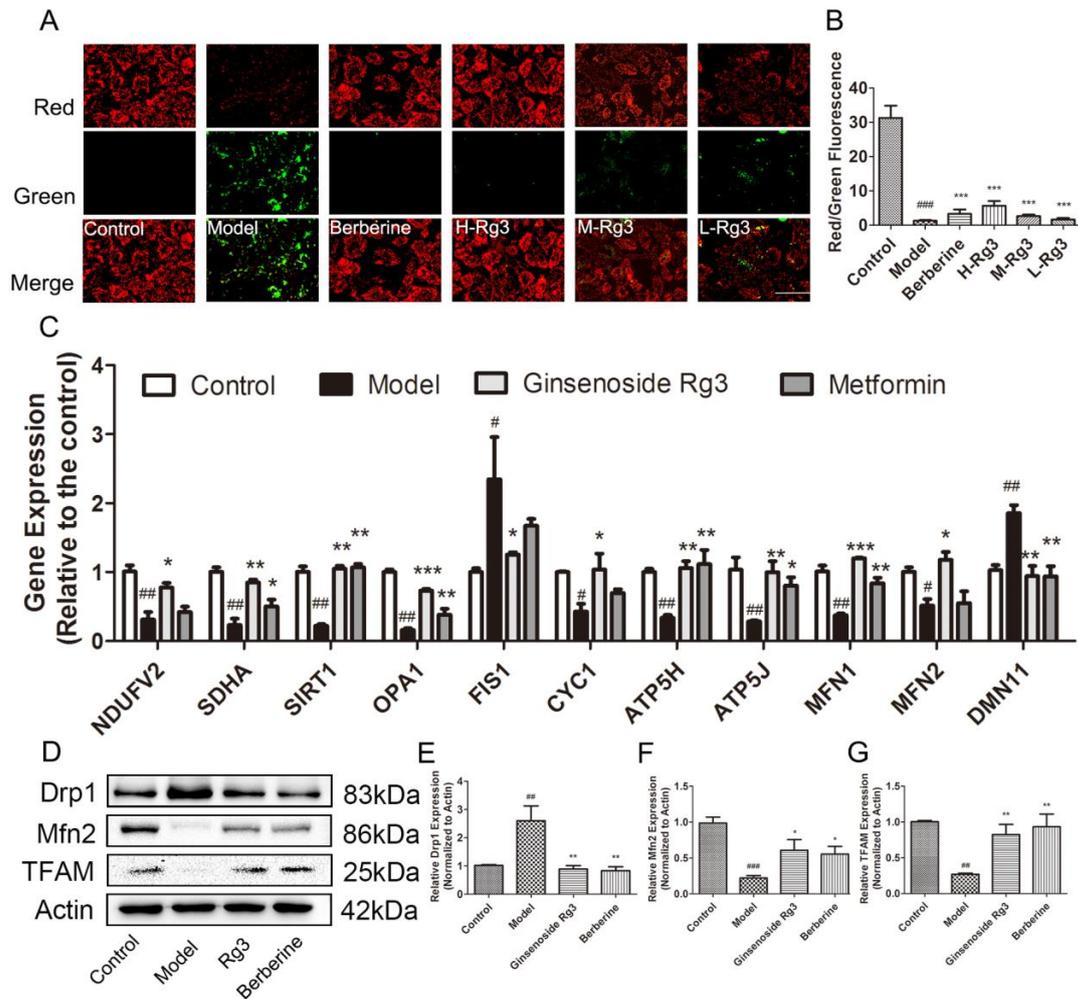


Figure S3. Ginsenoside Rg3 treatment improved myocardial mitochondrial membrane potential and dynamics. **(A)** Representative images of mitochondrial membrane potential stained using JC-1 in H9c2 cardiomyocytes. Scale bar, 100 μm . Magnification, 400 \times . H-Rg3, 20 μM ; M-Rg3, 10 μM ; L-Rg3, 5 μM . **(B)** Quantitative analysis of mitochondrial membrane potential shown by ratio of red and green fluorescence. **(C)** Transcription levels of genes related to mitochondrial respiration and dynamics in four indicated groups. **(D)** Levels of proteins related to mitochondrial biogenesis, division, and fusion estimated using western blotting. **(E)** Drp1; **(F)** Mfn2 and **(G)** TFAM protein levels in the four study groups. Data are expressed as the mean \pm SEM (n = 3-6). * $p < 0.05$ or ** $p < 0.01$ or *** $p < 0.001$ vs. model group; # $p < 0.05$ or ## $p < 0.01$ or ### $p < 0.001$ vs. the control.