Supplementary Material

Chemical Composition, Antioxidant Activity, Anti-Fatigue Function and Mechanism of Pomegranate Peel Polyphenols on Exercise-Induced Fatigue in Mice

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Dr. Li Xu, Tel./Fax: +86 580-2554818; E-mail: 2022196@zjou.edu.cn

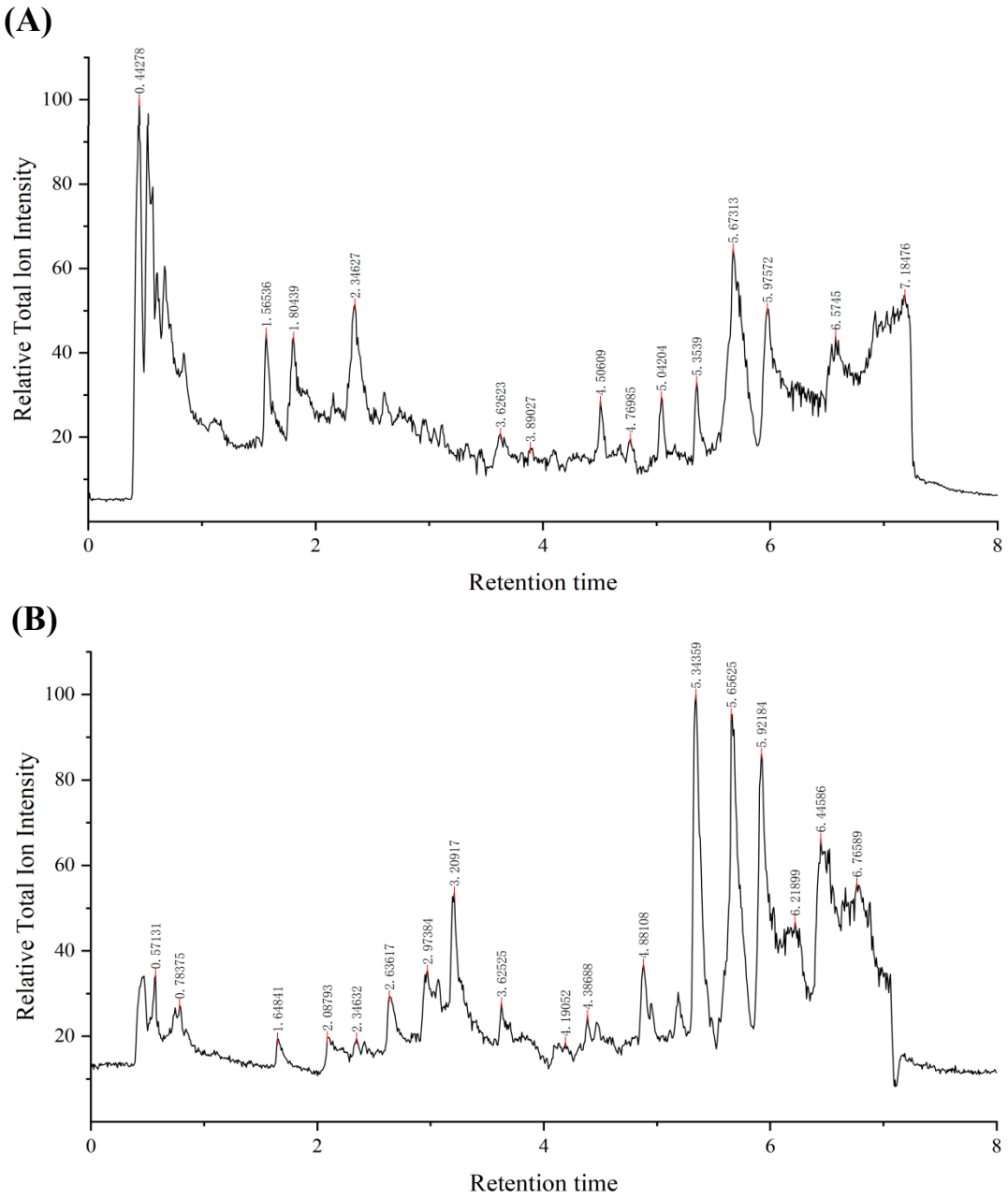


Fig. S1. Total ion chromatogram of pomegranate peel polyphenols (PPPs) by LC-MS/MS. Positive (A) and negative ion modes (B), with the horizontal coordinate indicating the retention time of the peaks and the vertical coordinate indicating the relative total ion intensity.

Fig. 9A-Keap1

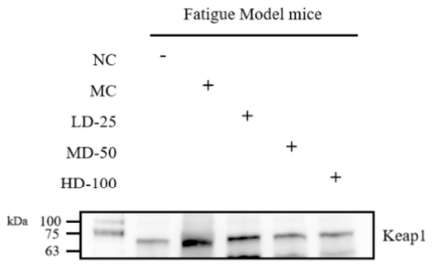


Fig. S2-Keap1

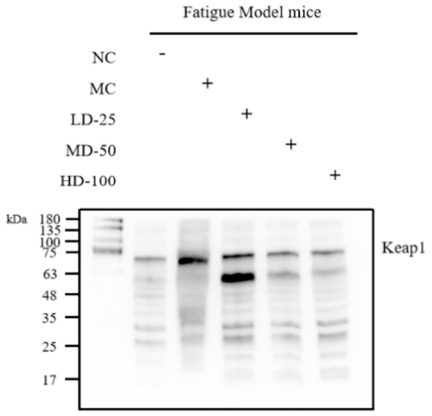


Fig. 9A-Nrf2

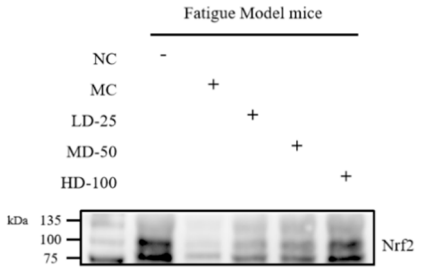


Fig. S2-Nrf2

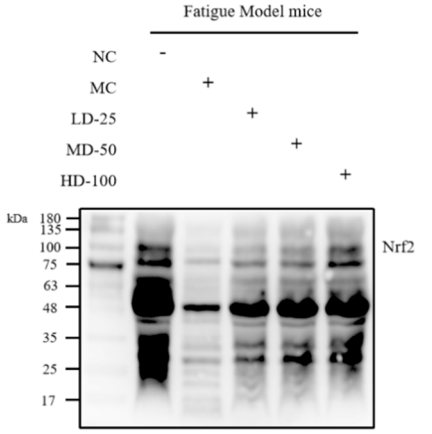


Fig. 9A-β-actin

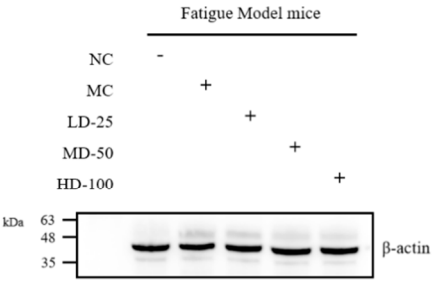
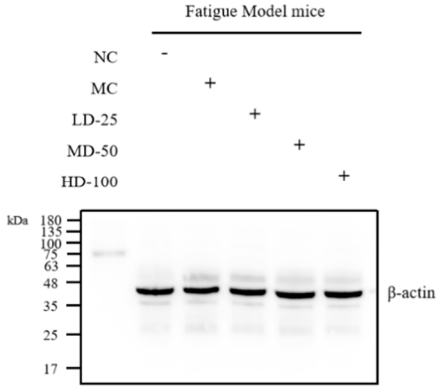


Fig. S2-β-actin



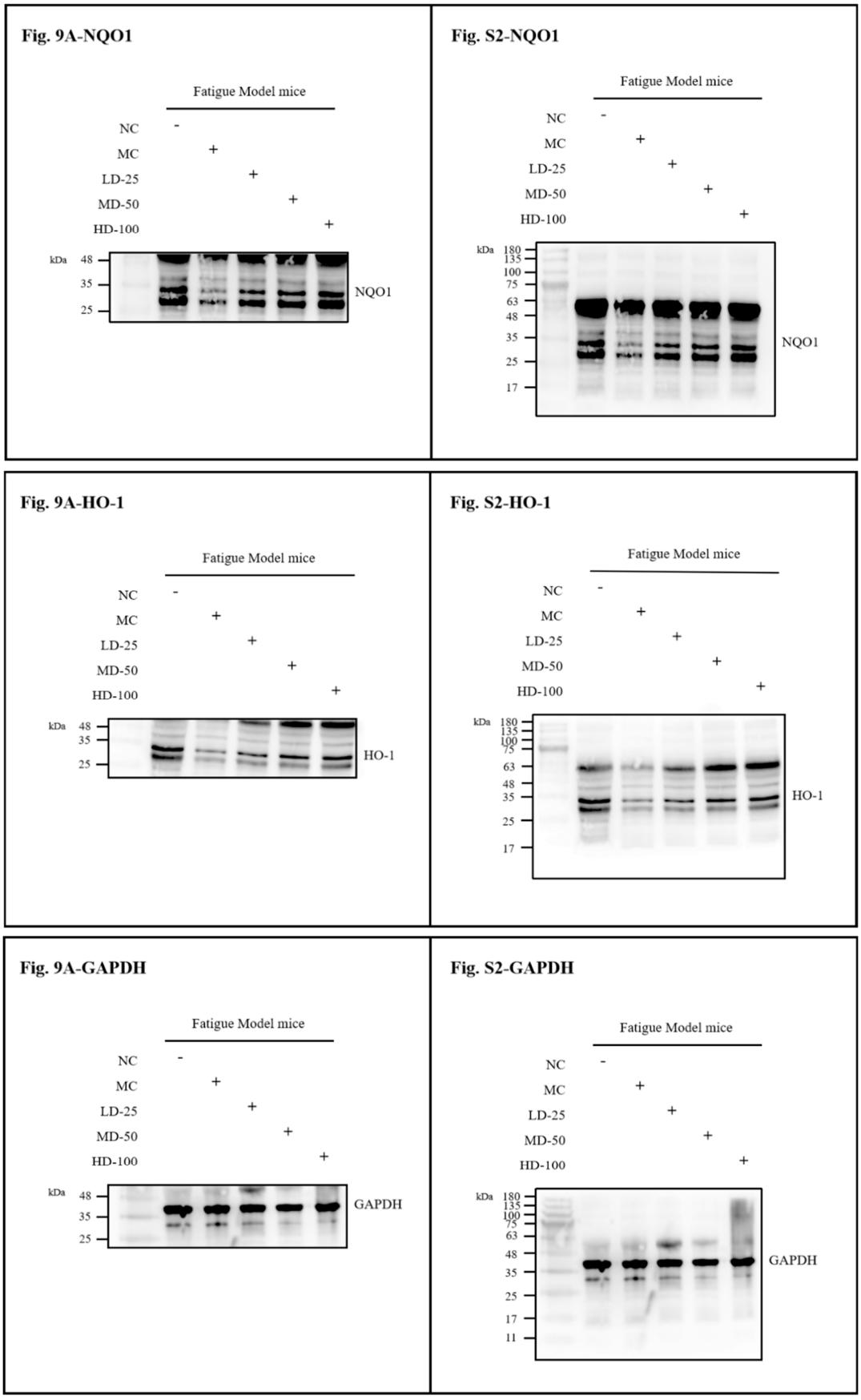


Fig. S2. Raw Western blots depicting the impact of PPPs on Keap1/Nrf2 pathway protein expression (Keap1, Nrf2, NQO1, HO-1) in fatigue model mice.

Fig. 10A-p-AMPK

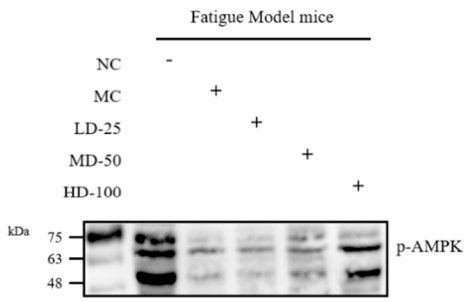


Fig. S3-p-AMPK

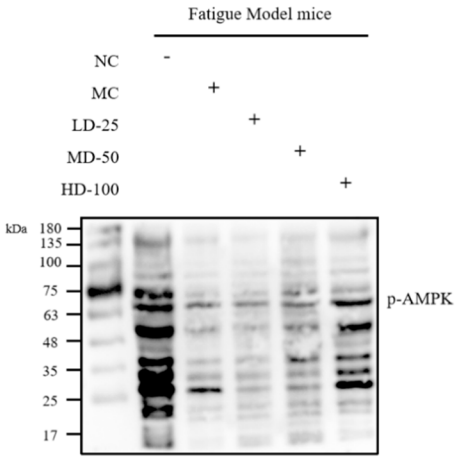


Fig. 10A-AMPK

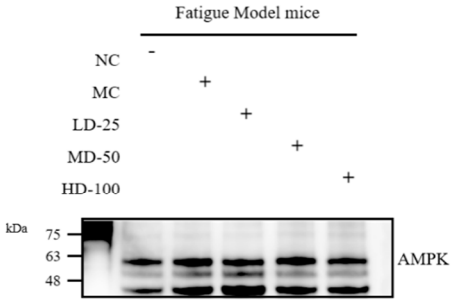


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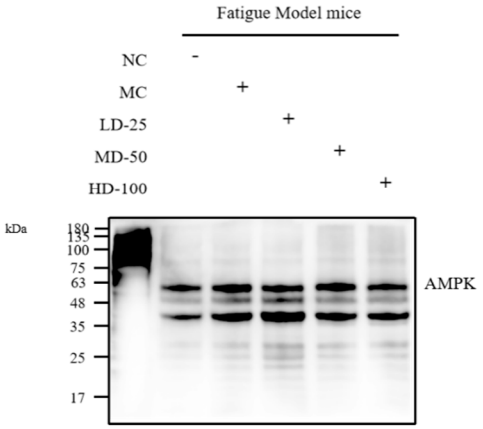


Fig. 10A-GAPDH

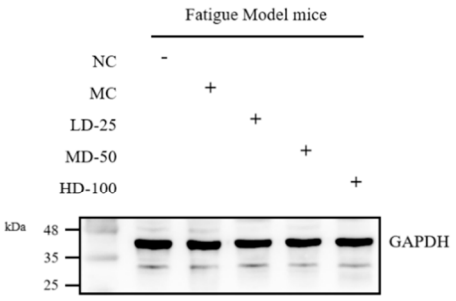


Fig. S3-GAPDH

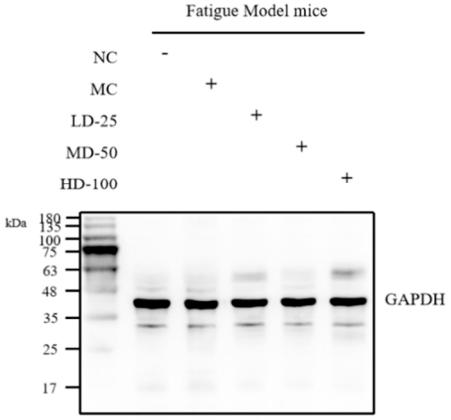


Fig. 10A-TFAM

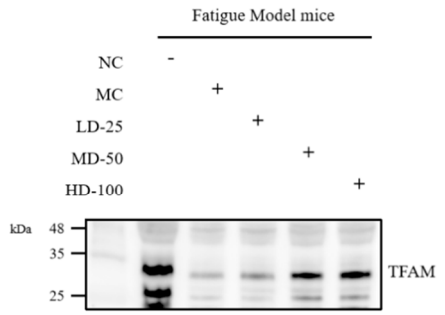


Fig. S3-TFAM

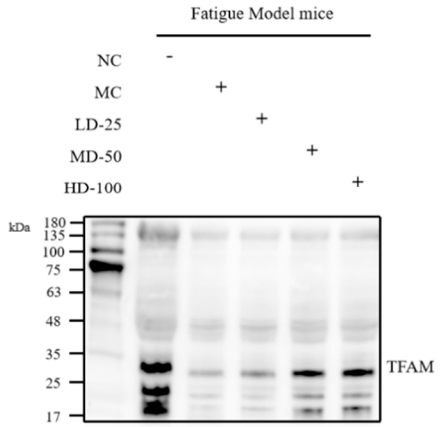


Fig. 10A-PGC1-α

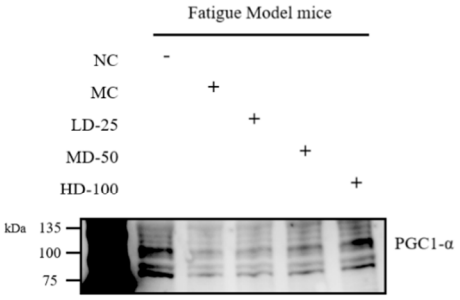


Fig. S3-PGC1-α

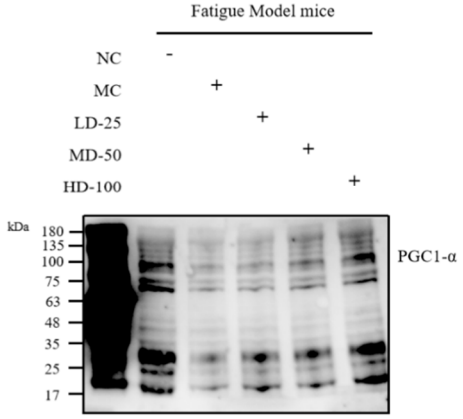


Fig. 10A-β-actin

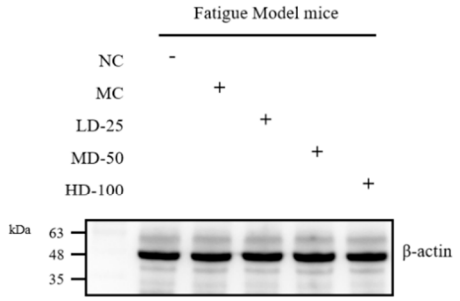


Fig. S3-β-actin

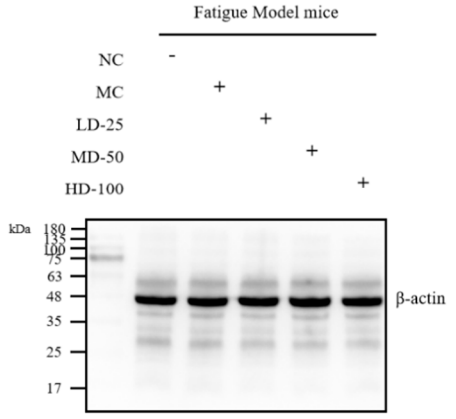


Fig. 10A-CPT-1

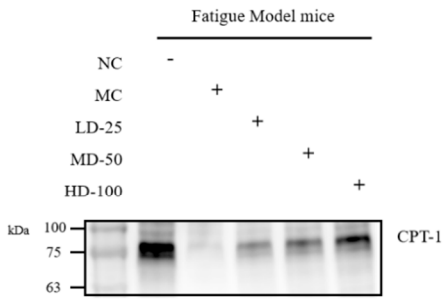


Fig. S3-CPT-1

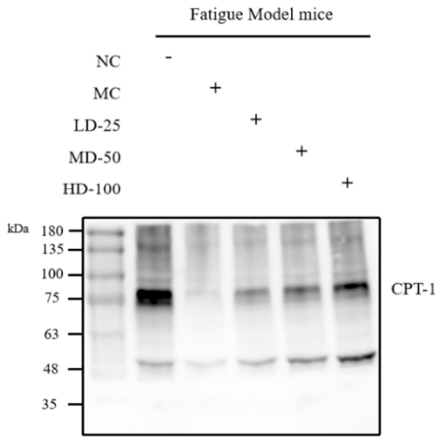


Fig. 10A-PPAR-α

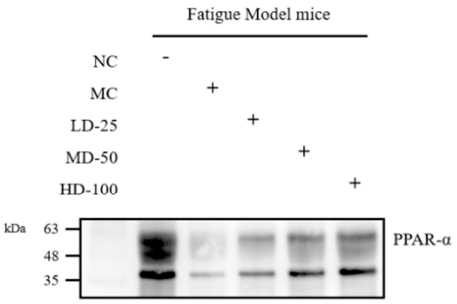


Fig. S3-PPAR-α

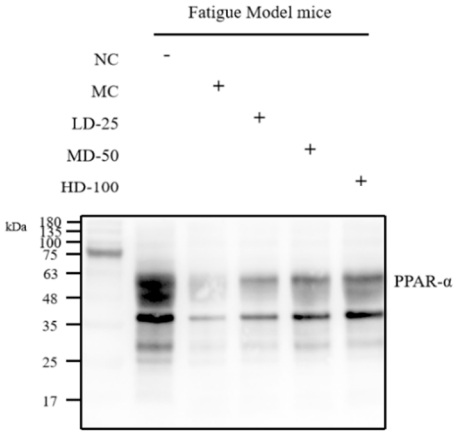


Fig. 10A-β-actin

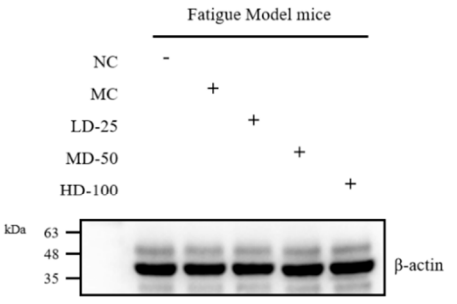


Fig. S3-β-actin

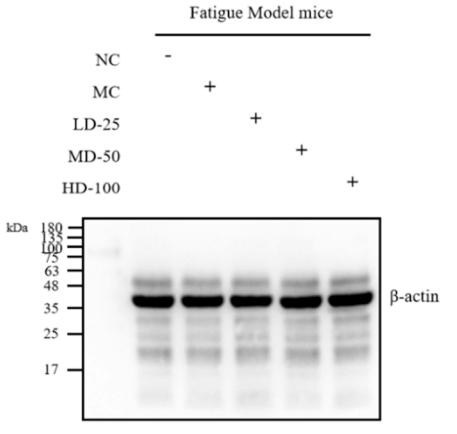


Fig. S3. Raw Western blots depicting the impact of PPPs on AMPK/PGC1-α/PPAR-α pathway protein expression in fatigue model mice.