

Supplementary Information

Integrated profiling of adiponectin and cytokine signaling pathways in high-fat diet-induced MASLD reveals early markers of disease progression

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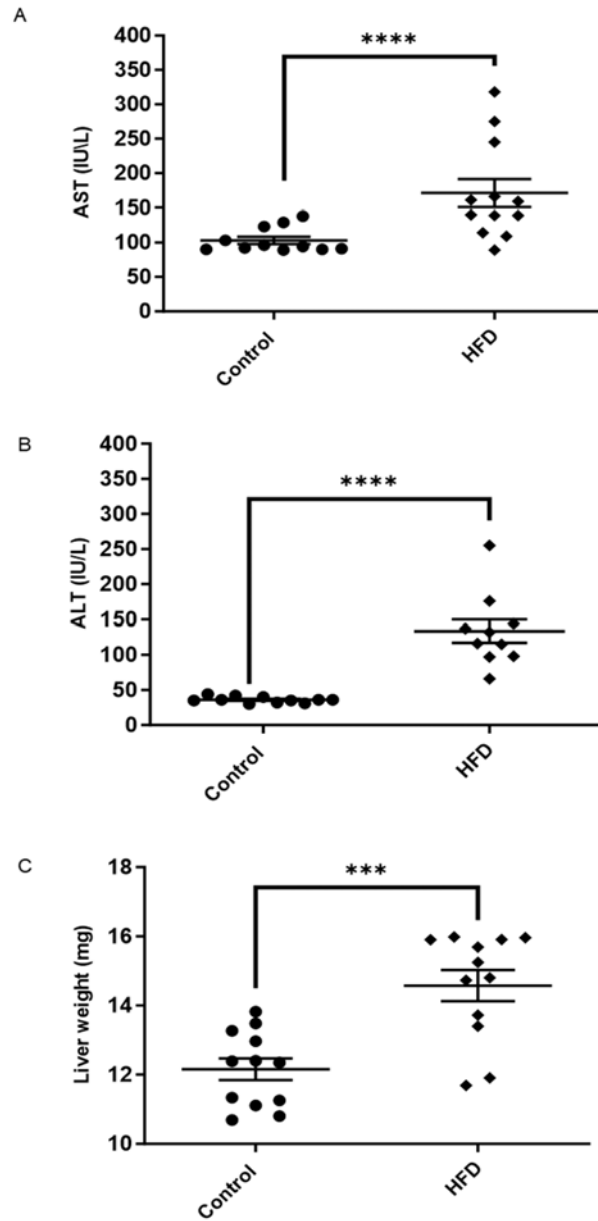
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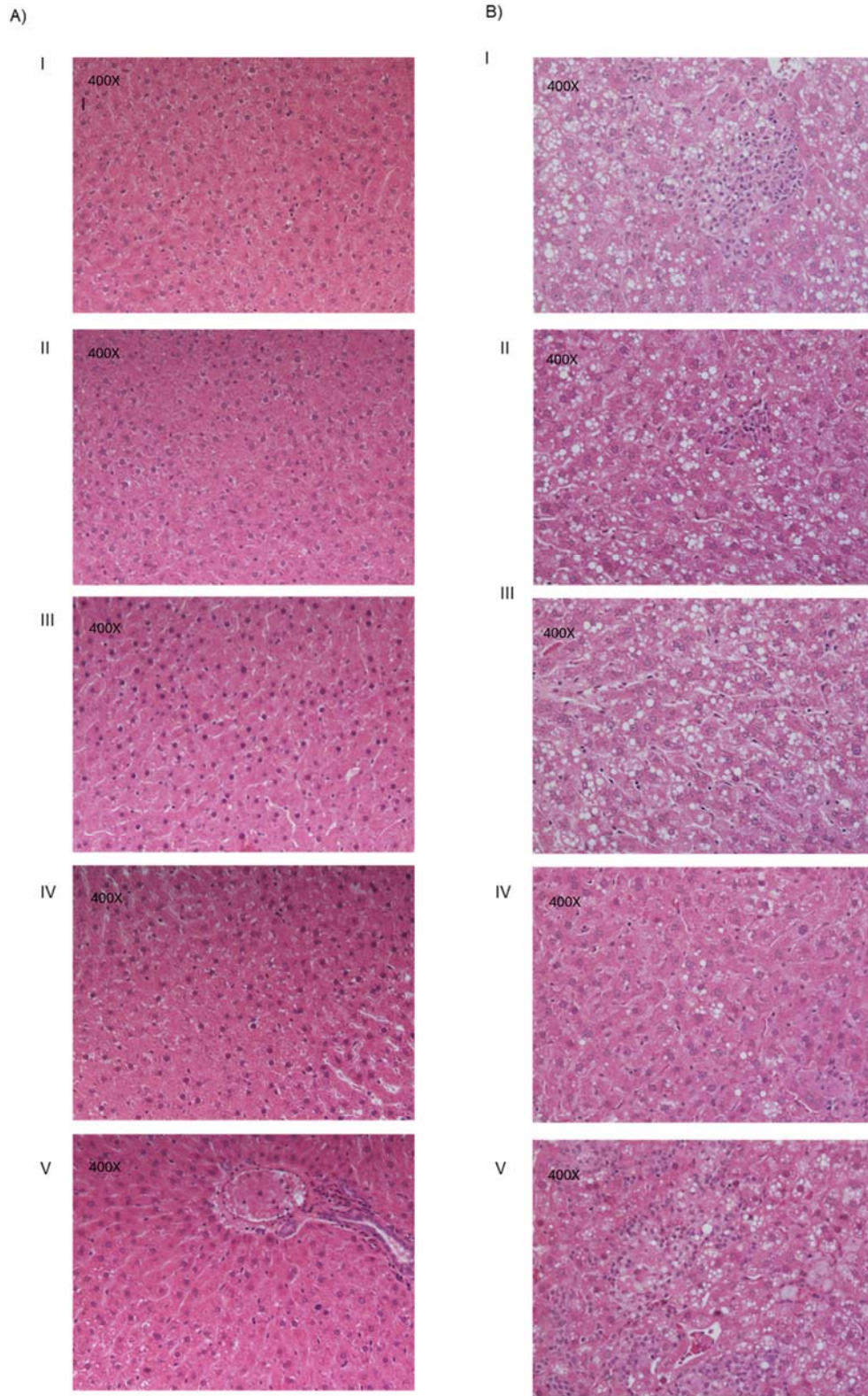
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Supplementary Figure S1: Effect of HFD on serum levels of aspartate transaminase (AST) and alanine transaminase (ALT) and liver weight. AST (A), ALT (B) levels and liver weight (C) were significantly elevated in Wistar rats fed with HFD compared to rats fed with normal diet (Control). The findings are displayed as mean \pm SEM. Significance levels are denoted as follows: *** $p \leq 0.001$, **** $p \leq 0.0001$.



Supplementary Figure S2: The effect of HFD on liver morphology. H&E-stained liver tissue sections of representative Wistars rats in this study fed with regular (standard) diet (A) and high-fat diet (B) showed changes

in liver structures brought about by the HFD. The numberings I-V = Rats 1-5 in each group (i.e., Control (A) and HFD (B)). Histology images were captured at 20x magnification.

Supplementary Table S1: Chemical composition of the HFD

Item	CON	OB2
<i>Fat (g/100gm)</i>	5.04	24.09
<i>Protein (g/100g)</i>	25.8	12.9
<i>Dietary Fiber (g/100g)</i>	16.8	5.5
<i>Glycemic carbohydrates (g/100g)</i>	27.4	11.5
<i>Total carbohydrates (g/100g)</i>	44.2	17.0
<i>Total calories (Kcal/g)</i>	2.93	3.23
<i>% calories by fat</i>	15	66