Dear editor and reviewer,

Thanks for considering our manuscript and all of the useful comments. The reviewer’s comments are very important for our future research, so we revised the manuscript, and gave responses to the comments as follows.

**Reviewer:** In lines 113-116, the authors did not measure serum LPL activity but concentration (mass). Please correct them.

In the quantitative data of ATGL and HSL, there is no change in those protein levels between rats in control and HFD/DEX as well as LPL levels in serum. However, the authors only highlighted the significant increase of ATGL and HSL levels in HFD/DEX +AAMP to explain the decrease in lipid droplets in the liver. Significant increase LPL mass could partly be a reason the decreased serum TG levels in AAMP-treated animals?

**Response to comments:** We have corrected the description in lines 117-120. Besides that, we absolutely agree with the reviewers’ opinion. AAMP does regulate lipid metabolism in multiple manners, so we re-described our points of view in lines 18-19, 119-120 and 160-161.