

### **Answer to reviewer 29240**

Thank you very much for all your comments.

### **Answers to reviewer 2613582**

First of all, thank you for this precise and constructive reading of our paper.

Regarding the specific comments made, here are our answers

1、 *Autophagy is a lysosomal degradation pathway that is essential for survival, differentiation, development, and homeostasis. There are many markers for autophagy in addition to LC3 I/II. The authors should provide more evidence.*

Autophagy is indeed a physiological process involved in homeostasis, our goal, in this paper, was to identify if autophagy could be involved in menadione-associated cell alteration and if L-carnitine supplementation may counteract the effect of menadione. Our objective was not to try to precisely identify the stage of autophagy, it is why we did not use any other marker than LC3 I/II, however and to more precisely identify autophagy in this process and in accordance with the recommendation of the “Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition, published in Autophagy)”, we used a well known inhibitor for autophagy (i.e. 3 MA) .

These data were added to the text (mat section and results section)

2、 *In page11: “Microtubule-associated protein light chain 3 (LC3) is considered as one of the more accurate marker for autophagy.” The “marker” should be “markers”. This was changed in the text.*

3、 *The four figures lack symbols and the key to symbols. See below.*

4、 *Figure1A lacks X axis. Figure1B is not clear and the “A B C D ” is too small. Changes were done.*

5、 *Figure2A : The “A B C D ” should not be in the figures. The X axis and the Y axis should intersect. X axis label should be time (hour). Font sizes of X and Y axis label should be consistent. Changes were done as requested.*

6、 *Figure2B lacks X axis. This was changed*

7、 *Figure 3: The two figures should be labeled A and B. The Y axis label should be “The ratio of LC3-I /II”. The figure was changed*

8、 *Figure 4 lacks X axis. This change was done.*