

Dear Reviewers:

Thank you for your comments concerning our manuscript. Those comments are all valuable and very helpful for revising and improving our paper. We have studied comments carefully and have made correction which we hope meet with approval. Revised portion are marked in red in the paper. The corrections in the paper and the responds to your comments are as following:

1. Overall, it is an excellent scientific paper. The study design is very we thought out and the experimental work is well conducted.

Response: We appreciate your encouragement, we will continue to work hard.

2. However, the language requires some editing to correct the grammatical and spelling mistakes across the paper.

Response: We have revised the whole paper to correct the grammatical and spelling mistakes carefully and obtained help from professional English language editing companies to check it.

3. I also suggest a better way to explain the methods and the results, the way they are written is difficult to comprehend and digest, some

re-organization will be vital to paper.

Response: We have made some re-organization of the methods and the results marked in red in the paper for a better comprehension.

4. The introduction is too long and makes you lost, most of what is written in these paragraphs can be summarized in few lines, since some of background of the study is already been explained in the methods and discussion

Response: We delete some of the background of the introduction that is already been explained in the methods and discussion, and simplify some contents of the introduction by summarizing them in few lines. Revised portion are marked in red in the paper.