

Dear Editor,

We are submitting the revised manuscript with the ID 75804, entitled “Identification of potential key molecular and signaling pathways for psoriasis based on WGCNA and miRNA-mRNA regulatory network” for publication in World Journal of Clinical Cases. According to the comments, we have already revised the manuscript. All revisions have been marked in red in the revised manuscript. The following are our reply to the comments, point by point.

Once again, thank you for your kind reconsideration.

Yours sincerely,

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Reviewer #1: Dear Authors, Thank you for submitting the manuscript for review. The manuscript is unique and well written, it definitely adds information to the existing literature. It will open new doors to understand the pathogenesis of Psoriasis in the future. Language can be modified before final acceptance of the manuscript.

Answer: We thank the Reviewer for his/her kind evaluation of our work. We are sorry for our poor English writing. As suggested, our manuscript has been reviewed by native English speaker. Thanks again!

Reviewer #2: Psoriasis is a chronic, immune-mediated inflammatory skin disease, with a multifactorial etiology and important immunologic, genetic and environmental components. MicroRNAs are small non-coding RNA molecules involved in RNA-silencing and the post-transcriptional regulation of gene expression, which also appears to mediate the immune dysfunction in psoriasis. Recently, extensive investigations in this field were made, but the exact involvement of miRNAs in psoriasis still have remained unelucidated. In this context, the research topic is very relevant and the study was well planned and carried out. To improve the manuscript, we recommended:

- In the Abstract, kindly expand the context of the research topic

Answer: We thank the Reviewer for his/her kind evaluation of our work. Since the abstract has a certain word limit, we simply describe the research topic, see the text for details. In addition, we have added appropriate content to the abstract and marked in red in the “Abstract” section of the revised manuscript. Thanks again!

- In the Introduction and Discussion section the authors should provide data related to

other mi-RNA which maintains skin inflammation in psoriasis patients, such as miR-31 and miR-146 (correlated with the expression of IL-17 and that enhances the production of inflammatory cytokines and chemokines via TNF- α). Furthermore, the role of miR-203, miR-99, miR-125, and miR-197 that control the proliferation and migration of keratinocytes is poorly described in the same sections.

Answer: We thank the Reviewer for his/her kind evaluation of our work. As suggested, we have added the related content and marked in red in the “Introduction” section of the revised manuscript. Thanks again!

-Authors should explain the “lncRNAs” abbreviation in the main text

Answer: We thank the Reviewer for his/her kind evaluation of our work. As suggested, we added the full name of lncRNAs and marked in red in the “Introduction” section of the revised manuscript. Thanks again!

-English grammar and spell check is required.

Answer: We thank the Reviewer for his/her kind evaluation of our work. We are sorry for our poor English writing. As suggested, our manuscript has been reviewed by native English speaker. Thanks again!

Science editor:

Psoriasis is a chronic, immune-mediated inflammatory skin disease. The author uses GEO database to analyze miRNA and explore the relevant mechanism, which is a good research. However, the verification of this manuscript is not very sufficient, too simple, there is no other database for analysis, and the conclusion is not very novel.

Language Quality: Grade B (Minor language polishing)

Scientific Quality: Grade C (Good)

Answer: We thank the Editor for his/her kind evaluation of our work. The lack of in-depth molecular mechanism studies is indeed a limitation of this manuscript. We will build models for further research in the future. In addition, we are sorry for our poor English writing. As suggested, our manuscript has been reviewed by native English speaker. Thanks again!

Company editor-in-chief:

I have reviewed the Peer-Review Report, full text of the manuscript, and the relevant ethics documents, all of which have met the basic publishing requirements of the World Journal of Clinical Cases, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office's comments and the Criteria for Manuscript Revision by Authors. Please provide the original figure documents. Please prepare and arrange the figures using PowerPoint to ensure that all graphs or arrows or text portions can be reprocessed by the editor. In order to respect and protect the author's intellectual property rights and prevent others from misappropriating figures without the author's authorization or abusing figures without indicating the source, we will indicate the author's copyright for figures originally generated by the author, and if the author has used a figure published elsewhere or that is copyrighted, the author needs to be authorized by the previous publisher or the copyright holder and/or indicate the reference source and copyrights. Please check and confirm whether the figures are

original (i.e. generated de novo by the author(s) for this paper). If the picture is 'original', the author needs to add the following copyright information to the bottom right-hand side of the picture in PowerPoint (PPT): Copyright ©The Author(s) 2022. Authors are required to provide standard three-line tables, that is, only the top line, bottom line, and column line are displayed, while other table lines are hidden. The contents of each cell in the table should conform to the editing specifications, and the lines of each row or column of the table should be aligned. Do not use carriage returns or spaces to replace lines or vertical lines and do not segment cell content.

Answer: We thank the Editor for his/her kind evaluation of our work. As suggested, we provided PPT. Thanks again!