

Review of: "In Silico Investigation of Potential COVID-19-Associated MicroRNA Signatures"

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Potential competing interests: No potential competing interests to declare.

The manuscript "In Silico Investigation of Potential COVID-19-Associated MicroRNA Signatures" (Qeios, CC-BY 4.0) aims at exploring the role of miRNAs in anticoronaviral responses and pathophysiology in host system.

The content of the manuscript is quite important and scientifically justified. The pertinent queries and suggestions given below are required to be addressed:

Title: The content of the manuscript is not reflected by the title, so kindly rephrase it.

Abstract: Materials and Methods section and the Result section of the Abstract are very vague. The sections need to be rewritten. The Keywords can be increased to four.

Introduction: The English needs to be checked thoroughly.

- Please focus more on the miRNAs of viral origin. Make the Introduction crispy and focused.

Materials and Methods:

- Please provide required detail of viral-miRNA identification using biocomputational tools along with the source of datasets in detail.
- No valuation of the identified genes have been done. Please include qPCR validation experiment after getting all requisite ethical approvals.

Results:

- Kindly provide the results of viral miRNA identification.
- Please properly elaborate Figure 1

Conclusion: No comments

English: Needs thorough checking of presentation.

Reference style: Through checking is required for the format. The format of the references is required to be checked (for example Y. Yang et al., 2018 in page 4)

Plagiarism: Not checked by me

The manuscript is reporting an interesting but incomplete study. The recommended modifications need to be incorporated prior to final submission.

Final Comments: Major Revision