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PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Infectious Diseases*

Manuscript NO: 79603

Title: Three-dimensional model of antigens with serodiagnosis potential for leprosy: an in silico study

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06325500
Position: Peer Reviewer
Academic degree: PhD
Professional title: Academic Research
Reviewer's Country/Territory: China
Author's Country/Territory: Brazil

Manuscript submission date: 2022-08-28

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-11-09 00:18

Reviewer performed review: 2022-11-21 13:15

Review time: 12 Days and 12 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [Y] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [ ] Grade B: Minor language polishing [Y] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [Y] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The manuscript entitled " Three-dimensional model of antigens with serodiagnosis potential for leprosy: an insilico study" reports the three-dimensional structure prediction results of four proteins (ML2038, ML0286, ML0050 and Antigen 85B). (1) The method part is too simple. What is the standard for template search? (2) The template Identity of one protein is only 40%, which is too low. (3) The simulated structure obtained by the authors should be optimized, and molecular dynamics simulation is necessary. (4) The AlphaFold Protein Structure Database also has prediction results for these proteins, whether the author's results are better than them. (5) The language of the manuscript needs to be improved.

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RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Clinical Infectious Diseases*

Manuscript NO: 79603

Title: Three-dimensional model of antigens with serodiagnosis potential for leprosy: an in silico study

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06325500
Position: Peer Reviewer
Academic degree: PhD
Professional title: Academic Research
Reviewer's Country/Territory: China
Author's Country/Territory: Brazil

Manuscript submission date: 2022-08-28

Reviewer chosen by: Ji-Hong Liu

Reviewer accepted review: 2022-12-30 07:46

Reviewer performed review: 2022-12-30 08:06

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Peer-reviewer	Peer-Review: [Y] Anonymous [ ] Onymous

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statements	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The authors have addressed all my concerns.