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OPEN PEER REVIEW

Solute Carrier Family 45 Member 2 Germline Variants in the Colombian Population with Melanoma

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About this report

This open peer review (OPR) report shows the public comments made on this article during peer review, by the reviewers, the associate editor and the editor-in-chief, for every revision round, together with the authors' replies. Comments appear only with the consent of the people who wrote them. Reviewers who chose to sign their report are named; the others are shown as "Referee". Comments are edited for language only, and confidential remarks to the editors are not included.

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1 Original submission

2 comments · 25 Jan 2023 – 28 Jan 2023

Referee 1 Reviewer

MAJOR REVISION 25 Jan 2023

The goal of this cross-sectional study is to determine if the SNVs p.L374F and p.E272K are related to an increased risk of developing melanoma in a cohort of residents of Bogotá, Colombia. Subjects provided DNA samples after completing an informed consent form. Genotyping was conducted by qPCR HRM. According to the authors, the prevalent phototypes in the Latin American population are phototypes II and III, and the frequencies of the SLC45A2 gene variations in this research are consistent with those of previous studies.
1. The authors merely discuss the background of the issue in the introduction; nevertheless, they have not supplied the readers with the rationales for doing this study on this population. In other words, what are the research gaps that need to be filled and the reasons for doing this study?
2. Please provide a more in-depth explanation of case recruitment, including the time span, among other things.
3. Please include information on the eligibility requirements, as well as the sources and procedures used to choose participants.
4. How did you determine the study size for each group? Have you calculated the power of this sample size?
5. Although you link to prior research for the demographic and clinical features of the subjects, I would suggest briefly describing these at the beginning of the results section.
6. What are the strengths and limitations of this study?

Associate Editor

MAJOR REVISION 28 Jan 2023

Dear EIC,
The manuscript is well written, and the authors collected good datasets. But it needs some revision as requested by the reviewers. Also, an English edit is needed.

2

Revision 1

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

The authors did not provide a point-by-point response to the reviewers' comments in this round.

2 Revision 1

3 comments · 4 Feb 2023 – 6 Feb 2023

Referee 1 Reviewer — ACCEPT 4 Feb 2023

Thank you.

Associate Editor — ACCEPT 6 Feb 2023

Dear EIC,
The changes requested by the reviewers have been made successfully.

Editor-in-Chief — ACCEPT 6 Feb 2023

Dear Author,
Thank you for revising the manuscript. It is acceptable now.