Reviewer's report

Title: CXCR1 and SLC11A1 polymorphisms affect susceptibility to cutaneous leishmaniasis in Brazil: a case-control and family-based study

Version: 1 Date: 6 October 2009

Reviewer: Shen Adong

Reviewer's report:

Dear Editor,

This moderately-sized case-control study investigated relation of the CXCR2, CXCR1 and SLC11A1 polymorphisms to leishmaniasis in Brazil population. Associations were found for CXCR1_rs2854386 and SLC11A1_rs1059823 gene variants.

I consider that this study is important to better understand the role of specific gene markers on the susceptibility to leishmaniasis in different population.

My option is to accept this paper but with minor revision. There are some remarks:

1. Minor Essential Revisions: A few letters “P” in “P value” should be in italic.
2. Discretionary Revisions: It would be nice to have more description in the text of ‘Discussion’ about the research results of other associated papers on SLC11A1. For example,
   Sanchez-Robert E, et al. Slc11a1 (formerly Nramp1) and susceptibility to canine visceral leishmaniasis. 2008.
3. Discretionary Revisions: The ‘Background’ can be divided in two or three paragraphs to be more systematical.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.
Declaration of competing interests:

I declare that I have no competing interests.