

Review Form 1.6

Journal Name:	Annual Research & Review in Biology
Manuscript Number:	Ms_ARRB_77522
Title of the Manuscript:	Analysis of the frequency of the Toll-like 2 gene polymorphism in leprosy
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://peerreviewcentral.com/page/manuscript-withdrawal-policy>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>The Authors described a missense TLR2 gene polymorphism that does not seem to be related to the susceptibility to leprosy among individuals with <i>Mycobacterium leprae</i> infection. The experimental part seems technically sound, and the data are well presented; however, the Authors should explore also another TLR2 SNPs (the Bonferroni correction should be included in the statistical analysis).</p> <p>To have the power to detect associations of low-frequency SNP with the influence on disease susceptibility, the Authors should recruit an adequate number of the study population. In 2017, the total number of leprosy new cases in Brazil was 22,940 (http://tabnet.datasus.gov.br/cgi/tabcgi.exe?sinanet/hansenias/cnv/hanswuf.def), therefore, the number of 50 patients with leprosy and 72 controls are too small to perform such a case-control study.</p>	
Minor REVISION comments	In some parts of the Manuscript, the spaces should be added to the text.	
Optional/General comments		

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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