



SDI Review Form 1.6

Journal Name:	South Asian Journal of Parasitology
Manuscript Number:	Ms_SAJP_66843
Title of the Manuscript:	DETECTION OF B1 GENE IN TOXOPLASMOSES USING PCR AMONG PREGNANT WOMEN ATTENDING ANTENATAL CLINIC IN KADUNA STATE NORTHWEST NIGERIA.
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://www.sciencedomain.org/journal/10/editorial-policy>)



SDI Review Form 1.6

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)
<p><u>Compulsory</u> REVISION comments</p>	<p>ABSTRACT Section (1) Please checking the ABSTRACT in detail, I cannot understand some sentences what the author wants to say. For example, in the line 12-14, it should be "Serum samples were collected from 357 pregnant women and then subjected to the detection of <i>Toxoplasma</i>-IgM antibody using ELISA assay." Moreover, how many samples obtained from the place (Senatorial zones of Kaduna state) are not clear, although the author mentioned that they used PCR through amplifying <i>T. gondii</i> B1 gene. Perhaps, the author wants to explain that the detected positive serum samples via <i>Toxoplasma</i>-IgM assay were further confirmed by PCR method. So, this sentence needs to rewrite. (2) The result is also not clear in the line 15-20. The author should compare the prevalence of <i>T. gondii</i> infection between different age groups, instead of only listing a percentage number in the text. Which method used for the biostatistics analysis, is it t-test? In addition, using PCR amplification, are the results same with <i>Toxoplasma</i>-IgM results? (3) For 357 serum samples, why the author directly draws a conclusion that the infection rate is high? In addition, is this a first report regarding a large scale of serum investigations in pregnant women from the local regions? So, the author needs to give a clear explanation and then elaborate this concept in the paragraph of CONCLUSION.</p> <p>INTRODUCTION Section In this part, 3 to 4 paragraphs are enough, so needing to reorganize these paragraphs.</p> <p>MATERIALS AND METHOD Section For sample collection, if here has graphical map? I think that it may be clearer than word description.</p> <p>RESULTS Section Is this section of the text only containing tables and figures? No other descriptions? In the Figure 1, the author should add gel band, DNA makers, and sample description.</p> <p>DISCUSSION Section No comments.</p> <p>Generally speaking, the author collected 375 serum samples in pregnant women from KADUNA STATE NORTHWEST NIGERIA, used for Toxoplasmosis detection, the number of samples is sufficient, and the research objected is human, thus reflecting a considerable importance for public health. The author reported an infection rate of 2.8% in this region, much known is that the <i>T. gondii</i> infection can be transmitted to babies via the placenta. So, the local fetus infection of <i>T. gondii</i> should arise many attentions for local people.</p> <p>However, from the perspective of the reader, this manuscript needs to be further improved in term of writing and grammar, as well as the overall framework of logic and rigor.</p>	
<p><u>Minor</u> REVISION comments</p>	<p>Line 15 and 16, "Ages 16-20 and 26-30 years", here please use the correct and formal expression.</p> <p>Line 23 and 369, "This suggest the need for", please pay attention to subject-verb agreement.</p> <p>Line 98,151-153" Kaduna State is a old Capital"" Age, literacy level, source of drinking water, type of meat consumed, pets contact, obstetric history and milk consumed", please pay attention to grammar.</p> <p>Line 163," IgM specific antibodies, if present binds to the antigen." Please use the correct and formal expression.</p> <p>Line 304, the table is not formal, and primer sequence should be showed which is the forward line and which is reverse line.</p>	



SDI Review Form 1.6

Optional/General comments	<p>After the Electrophoresis, the sequencing is needed to ensure the result.</p> <p>In term of the infection of T. gondii in pregnant women, the author should provide some prevention and control suggestions for local public health security.</p>	
----------------------------------	--	--

PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Rui-Si Hu
Department, University & Country	Lanzhou Institute of Veterinary Medicine, Chinese Academy of Agricultural Sciences, China