



SDI Review Form 1.6

Journal Name:	Asian Journal of Biology
Manuscript Number:	Ms_AJOB_45972
Title of the Manuscript:	Molecular Identification and Genetic Characterization of Theileria lestoquardi in Sheep in Alhuda National Sheep Research Station, AL Gezira State, Sudan
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/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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>English editing of the manuscript is needed. Consisting line spacing and font size should be maintained.</p> <p>In abstract, tams-1 should be used for merozoite/piroplasm surface antigen "gene" instead of Tlms. If not, Tlms gene should be clarified.</p> <p>In abstract "Antibodies of <i>T. lestoquardi</i> were detected in 14/16 (87.5%) by IFAT while PCR targeting merozoite/piroplasm surface antigen (Tlms) was positive in 4/45 (8.9%)." Where number (14/16) comes from should be explained if 45 samples were used.</p> <p>Authors should mention more about clinical symptoms and importance of Theileriasis in introduction. Also, Authors should indicate how animals were selected for sample collection. Did those animals show any sign of disease or not.</p> <p><i>Theileria</i> and names of all species should be written in italic in the entire manuscript.</p> <p>In lines 22-25, "<i>Theileria</i> in sheep are either pathogenic and cause severe infections e.g <i>Theileria lestoquardi</i>, <i>T. uilenbergi</i> and <i>T. luwenshuni</i> or of low pathogenicity and cause mild infections as the case with <i>T. ovis</i>, <i>T. recondita</i> and <i>T. separata</i>." Sentence should be revised.</p> <p>In lines 73-77, PCR content should be written more clearly.</p> <p>In lines 79-80, "Five µl of each PCR product were visualized in 1.5% ethidium bromide stained gel and run in 1X TBE buffer in electrophoresis chamber." This sentence should be corrected according to logical order of steps.</p> <p>In lines 117-119, "The <i>T. lestoquardi</i> sequence acquired from Alhuda station was highly similar (99.13%) to both Sudan and Lahar strains and showed less similarity (98.79%) to Kamalabad and vaccine strains." It is not clear that how this statement was made. This should be explained. Since from Fig 2, all five partial Tlms sequences look identical except sequence of isolate named as "Alhuda".</p> <p>Naming of isolates belonging to different countries should be explained.</p> <p>Statement of "this may indicate the endemic nature of the infection in this area." given in lines 205-206, should be discussed more.</p>	Thank you very much for your comments. Corrections Done as per the suggestion.
Minor REVISION comments	<p>In line 87, what is BALSTn?</p> <p>In line 112, subtypes should be corrected as ecotypes for consistency.</p> <p>In line 172, Elhuda should be corrected as "Alhuda"</p> <p>In line 226, Irainian should be written as "Iranian"</p>	
Optional/General comments		



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>	