



**SDI Review Form 1.6**

Journal Name:	<a href="#">Annual Research &amp; Review in Biology</a>
Manuscript Number:	Ms_ARRB_45445
Title of the Manuscript:	Molecular characterization and prevalence of antibiotic resistance in <i>Escherichia coli</i> isolated from raw goat milk
Type of the Article	Original Research Papers

**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>)

**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)
<b>Compulsory</b> REVISION comments	<p>This manuscript reports the molecular characterization and genetic determinants of resistance to some antibiotics of <i>Escherichia coli</i> isolated from raw goat milk in Taif region of Saudi Arabia. The following comments and suggestions are made;</p> <p><b>Title:</b> Molecular characterization and antibiotics resistance in <i>Escherichia coli</i> isolated from raw goat milk in Taif region of Saudi Arabia.</p> <p><b>Introduction:</b> Please highlight specific objectives.</p> <p><b>Materials and Methods:</b> Why is Taif region chosen as study site? Is this based on indiscriminate use of antibiotics in animal husbandry? If so, is it reported?</p> <p>Was 16S rRNA gene sequencing performed for all the suspected isolates or for just selected ones for the purpose of phylogeny?</p> <p>PCR of 16S rRNA gene: What concentration of template DNA was used?</p> <p>PCR of specific genes: Please change to "PCR detection of antibiotics resistance genes" It will be good to give what informed choice of the antibiotics tested. Why are other <i>tet</i> genes not included in the panel? There are more than ten (10) reported <i>tet</i> genes.</p> <p><b>Results:</b> The resistance of the isolates (70.8%) to imipenem is quite questionable! Also is the alarming carriage rates (<math>\geq 75\%</math>) of resistance genes to different antibiotics by the isolates. Could this be natural/intrinsic instead of acquired?</p> <p>The authors proposed that some isolated are new based on their 16S RNA alignment (99%) with <i>E. coli</i> M-N1; this is altogether not tenable as novel organisms are reported after rigorous genomics assays/analysis.</p> <p><b>Discussion:</b> This section has more of results' repetition instead of giving implications/public health importance of results.</p>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		



**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>  The authors did not obtain ethical approval for experimenting on animals	

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