



[SDI Review Form 1.6](#)

Journal Name:	<u>Journal of Advances in Biology & Biotechnology</u>
Manuscript Number:	Ms_JABB_34580
Title of the Manuscript:	Preliminary Analysis on the Genetic Variants of Some Whey Proteins and Their Relationship with Milkfat in West African Dwarf Goat
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>)



SDI Review Form 1.6

PART 1: Review Comments

	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>
Compulsory REVISION comments	<p>Research is interesting and necessary, but they should be improved.</p> <ol style="list-style-type: none"> 1. The methodology lacks information on feeding the animals. Nutrition is a major contributor to the composition of milk. 2. In rows 47-48, the authors write that "animals were sampled from different households located in Akinyele Local Government Area of Oyo State.". It is necessary to specify the number of these holdings. 3. Statistical analysis. To better assess the effect of a gene on phenotypic characteristics, the impact of environmental factors on this traits should be minimized. The statistical model should take into account the effect of farm (random effect). You should do the calculations again. 4. Results. Lack of characterization of the test material. Please specify the fat content in milk (average, SD, minimum, maximum). This will be an interesting supplement to the research results, 5. Results. Table 1 should contain HWE P values and calculated mean heterozygosity. 6. Results. Table 2 is missing a description for lettering "a". In addition, In the absence of statistical significance, mean values are not denoted by letters. 	



SDI Review Form 1.6

	<p>7. Discussion. In rows 124-125 the authors write " This is consistent with the findings of [31] and [32] that milk protein polymorphism had no significant effect on milk production traits.". The literature 31 and 32 are old publications. In milk proteins there are many polymorphisms of different genes, each one of which may have a different effect on its composition. Authors should refer to more recent publications on the genes <u>α-Lactalbumin and Lactoferrin</u>. A reference to current research from other authors will significantly improve the quality of the discussion. (Search on https://www.ncbi.nlm.nih.gov/pubmed/)</p>	
<p><u>Minor</u> REVISION comments</p>		
<p><u>Optional/General</u> comments</p>		

Reviewer Details:

Name:	<i>Magdalena Szyndler-Nędza</i>
Department, University & Country	<i>National Research Institute of Animal Production, Poland</i>