SDI EDITORIAL COMMENTS FORM

EDITORIAL COMMENT'S on revised paper (if any)	Authors' response to editor's comments
1. Is it ethically permitted to perform gene editing of livestock ? What are the regulations of genetic manipulations in the countries to which authors belong to?	Yes, it is ethical once its use conforms to the rules of regulatory body in charge. The rules that determine whether or not an organism falls under a special GMO regulatory regime differ from one country to another. Quite often, their parameters for regulatory inclusion are based on product characteristics and/or the process used to obtain them. However in Nigeria(Authors' country), under the regulatory body of **"NATIONAL BIOSAFETY MANAGEMENT AGENCY (NBMA)" OF THE FEDERAL REPUBLIC OF NIGERIA** has it that, if the gene editing process or the gene edited product does not lead to or have a new combination of genetic material (e.g. does not use a transgene/uses a transgene which is removed in the final product), a non-GM regulatory classification is applied: in this case, basic information on the overall breeding process, genetic changes, traits, bred-out of helper transgenes, etc. will be required. If on the other hand, the gene editing process requires the use of recombinant DNA sequences or the gene edited product has a new combination of genetic material (e.g. uses a transgene which remains in the final product), the regulatory classification stipulates that the final product falls under GM regulation.
2. In the era of plant based diet, vegan diet, 3D printing of meat, cultured meat or cellular agriculture, is this manuscript significant?	This manuscript is highly significant because the information contained in it is limited to genome editing techniques as it relates to plants, animals, microorganisms, their processes and products.