SDI Review Form 1.6

Journal Name:	**Journal of Applied Life Sciences International**
Manuscript Number:	**Ms_JALSI_43532**
Title of the Manuscript:	**In-Silico Structural Annotation of Hypothetical Protein Zm00014a_031618 (Zea mays)**
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:

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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	The article focusses on Insilco Structural Annotation of a Maize Hypothetical Protein However, some suggestions are here to improve this article: 1.Use name of protein "Methylthioadenosine Nucleosidase" instead of "Hypothetical", as it is a well knows enzyme. 2.Compare its structure with other related protein from PDB. 3.Discuss 3D structure with respect to function. 4.Discuss important residues at active sites. 5.Discuss protein ligand interaction by drawing residues-ligand interaction.	
Minor REVISION comments	Need English improvement, as many sentences are incomplete and some are meaningless. Minor comments are mention in attached file. Please see the attached "minor comment" Abstract • **Aims**: "Studies" is used two times • Use either "Bioinformatics" or " insilico studies" • ExPASy - ProtParam tool not EXPASY's • "I-Tasser I" should replace with "I-Tasser" • The SOPMA server was used for calculating the secondary structural features of protein sequences' Repeated in Result • Beta bridge "B –capatilized it should be lower case" • I-Tasser was used for predicting the 3D structure 2qttA from PDB as template.::: this should be in method section Introduction: Line 18-19: two times used in single sentence :: the genome, it should be replaced with "its '" the genome is also diploid genetically". Simply write: it is a diploid plant Line 47: MATERIAL AND METHOD should be "MATERIALS AND METHODS" Line 54: "2.2 Physiochemical Analysis of the Protein" should be replace with "Physiochemical Analysis" Line 55-57 " Incomplete sentence" Lack of verb Line 60-62: SOMA is repeated in single sentence Line 65-67: No need of BLASTP description. Hypothetical Protein, Should be in lowercase. Summarize this portion as "The amino acid sequence of hypothetical protein was used as query sequence to carry BLASTP program". Line 71: "Structural" should be replaced with "structure" Line 79: "where the computation of various physical and chemical parameters was performed." No need of this sentence. Line 80-81: Incomplete sentence Line 82: Table 1, caption should be replaced with "Physiochemical Features of the Hypothetical Protein" Line 92 : Table 2, should be lover case. Line 96: Table 2 caption should be replaced with " Structural Features of the Hypothetical Protein " Fig1 caption: "Faster" should replace with Fasta	

	FIng2 caption: should replace with "Secondary Structure Prediction of Hypothetical Protein" Fig. 3. Should be "3D Structure of Hypothetical Protein" Line 123 : "Figure" should be in lowercase. Line 125: "Al" should be replace with "Aln" Line 127-128: The naming cases of amino acids are not consistent Line 128-130: The structure is not discussed with respect to charges on proteins. Line 132: "SOPMA serve" should be "SOPMA server" Line 133: "followed" is repeated Line 134-136: Please mention name of other four protein used in this study and draw a comparison among these five structure Line 141-142: Grammatically incorrect sentence	
Optional/General comments		

Reviewer Details:

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