

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_82677
Title of the Manuscript:	Elucidation and prediction of molecular mechanisms and associated pathways of the PTGS2 as a common key gene for diabetes and cachexia: Bioinformatics strategies
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	<p>This manuscript is well-written with clear and direct goal, methodology and results. However, the quality can be enhanced by taking the following points into consideration:</p> <p>In the title of manuscript:</p> <ul style="list-style-type: none">- Please write what the abbreviation of PTGS2 stands for. <p>In the abstract:</p> <ul style="list-style-type: none">- Please note that only diabetes mellitus type 1 is usually associated with weight loss “cachexia”. <p>For the keywords:</p> <ul style="list-style-type: none">- Please add cachexia, diabetes and bioinformatics. <p>In the introduction:</p> <ul style="list-style-type: none">- Some paragraphs are left with no citation.- The pathogenesis, treatment protocols and diagnosis of diabetes and cachexia are not mentioned in introduction.- For the following sentence “In low- and middle-income countries, the prevalence of HIV has increased at a faster rate than in high-income countries.” I am not sure how HIV is related here?- I think the following sentence “It is well-known throughout the universe” is very generalized and short.- Again, I think type 1 diabetes mellitus is usually associated with cachexia however author mention that type 2 DM and cachexia are somehow related. <p>For results and discussion:</p> <ul style="list-style-type: none">- Please use a better resolution for figure 2, 3 and 4 to clarify the small details and legends.	
Minor REVISION comments	<p>In the abstract:</p> <ul style="list-style-type: none">- I would recommend changing “and both diseases share several gene and protein similarities” into “and both diseases share several gene and protein abnormalities”.- Could you please clarify what STICH stands for? A database or bioinformatic tool?- I would recommend changing “pharmacology of the ibuprofen route” into “pharmacology of the ibuprofen route of action”. <p>For methodology:</p> <ul style="list-style-type: none">- Methodology is brief and well-written however I prefer if authors write the link for each tool and database used in their research. <p>For conclusion:</p> <ul style="list-style-type: none">- Why authors have capitalized the first three words in this section?	
Optional/General comments		

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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?	(If yes, Kindly please write down the ethical issues here in details)	

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