



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">International Journal of Biochemistry Research &amp; Review</a> |
| Manuscript Number:       | 2015_IJBcRR_16236                                                           |
| Title of the Manuscript: | Presence of multiple aspartic proteinases in porcine ovary                  |
| 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>)



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**PART 1: Review Comments**

|                                            | <b>Reviewer's comment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Author's comment</b> (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><u>Compulsory</u></b> REVISION comments | <p>The manuscript, sometimes, lacks the usual expected formality, like in lines 121/122 "...Fig.1- 122 first peak in red...". It would be better to use the X-axis as a reference and state, for instance: "...Figure 1, fractions 1-13...". There are other parts of the text that could benefit from this same approach.</p> <p>The MS lacks a more solid confirmation of the presence of the Aspartic proteases. In L178-9, authors state they have previously demonstrated the presence of such enzymes, but no reference is cited.</p> <p>Have authors performed time course assays with the biological samples, from OE to US, using the specific inhibitors for each class of enzyme and a (Cat D?) fluorescent substrate?</p> | <p>Amended as indicated.</p> <p>Additional information is added to indicate that the proteinases studied were inhibited completely by 1 <math>\mu</math>M pepstatin A, which is an aspartic proteinase inhibitor.</p> <p>L178-9- The sentence was modified. It was not specifically stated about the optimum pH in our previous publication. However, the AP assay was conducted at pH 3.0 based on the results obtained at different pH.</p> <p>Yes with 1 <math>\mu</math>M pepstatin A which is an aspartic proteinase inhibitor.</p> |
| <b><u>Minor</u></b> REVISION comments      | <ul style="list-style-type: none"> <li>- Please follow Barrett's recommendation for enzyme nomenclature and replace 'proteinase' by 'peptidase' throughout the text.</li> <li>- Replace 'molecular weight' by 'molecular mass'</li> <li>- replace 'partially purified' by 'enriched' or 'fractionated'</li> <li>- please include molecular mass standards in the SDS-PAGE.</li> <li>- discussion: L189-199. This are RESULTS.</li> </ul>                                                                                                                                                                                                                                                                                              | <p>We prefer the word proteinase as other similar studies use the word proteinase. Added the word "peptidase" in the introduction</p> <p>Amended as molecular mass</p> <p>Amended as fractionated.</p> <p>Included the molecular mass of the standards (Fig 1)</p>                                                                                                                                                                                                                                                                       |



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| <b><u>Optional/General</u></b> comments | <p>The manuscript is too descriptive and the title, 'multiple aspartic PEPTIDASES' leads to false assumptions... They have 3 bands revealed by the zymography which not necessarily are different enzymes. It could be different PTMs. A little proteomics would clear such matter. Perhaps modifying the title to something like "Zymographic detection of Aspartic protease activities in porcine ovary exctracts" and converting the paper to a short communication better fits the contents of the manuscript and the authors' approach to the subject.</p> | <p>Title was amended as "Zymographic detection of aspartic proteinase activities in porcine ovarian extracts"</p> |
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