



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	2014_IJBcRR_13188
Title of the Manuscript:	Characterization of Dipeptidyl Peptidase IV Enzyme Activity in Serum of the Komodo Dragon (Varanus komodoensis)
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

	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)
<u>Compulsory</u> REVISION comments	1. The authors should compare the DPPIV activity among various species in their hands. It is very important to show the DPPIV activity in Komodo dragon was higher than that of the other species. 2. What are the physiological roles of DPPIV in Komodo dragon? Please add in Introduction. 3. In fig. 1, the authors should examine the DPPIV activity at higher temperature than 40oC, at least the temperature at which the activity was decreased. 4. The roles of DPPIV in immune reponses in Komodo dragon should be examined.	1) The activity of DPPIV was compared to that of crocodilian species (references 17-19), and discussed on lines 102-109 of the manuscript 2) We do not what the role of DPPIV is in the Komodo dragon. This is a descriptive study that chronicles the first description of this activity in any Varanid lizard. Future studies will focus on the physiological roles. 3) This is not necessarily a biochemical characterization, as we were not trying to denature the enzyme. We stopped at 40°C because higher temperatures are physiologically irrelevant. 4) Once again, this is a preliminary study that is an initial description of this enzyme activity. Functional studies will follow
<u>Minor</u> REVISION comments	1. If you know, please describe what kinds of DPPs Komodo Dragon have.	1) We do not know this information, and it is beyond the scope of this descriptive study of enzyme activity. This information should become available during the next 1-2 years when the Komodo dragon genome project is complete
<u>Optional/General</u> comments		