**In response to comments from reviewer**

1. Aim of the work stated in abstract does not correspond with presented data in result and discussion section. i) The proteins which involved in germination not necessary are released from the spore - for example - germination receptors. ii) level of proteins in the spore is stable - there is no synthesis and degradation. Such level may change in course of germination olny in the direction of lover amount - still is no synthesis of new proteins.

response authors:

* The aim of the work was changed in accordance with note reviewer.

1. I do not see the point why in introduction authors describe SASP proteins. Presented results are not linked with SAPS.

response authors:

* The paragraph describing the protein SASP was removed from work.

3. Authors says: "However, in response to high hydrostatic pressure, the expression of all proteins, GerA, GerBA and GerKE, occurs...."

(Introduction, bottom of second page). This sentence is meaningless - in the spore are no expression of any proteins. Be precise, expression cover all

events from transcription to final form of protein.

response authors:

* The sentence in the work was corrected in accordance with attention reviewer

1. It is not clear what authors meaning by "The increased activity of the proteins found in the germinated spores....." (Result and Discussion section, second paragraph from bottom at the page with fig 5 legend). What authors really mean by "activity of proteins"? Each proteins can have its own activity.

response authors:

* The sentence in the work was corrected in accordance with attention reviewer

5. I disagree with the statement in conclusion section "The results indicated that the germination of A. acidoterrestris spores subjected to HHP, SCCD and nutrient germinants influenced the protein levels of the spores." (first sentence of conclusion section). Amount of detected proteins by authors reflect may reflect number of spores which start germinate and by this the proteins are more accessible for extraction, but overall amount of proteins in spore remain the same independently from way of breaking dormancy state.

response authors:

* The sentence statement in conclusion section was corrected in accordance with attention reviewer

Minor comments:

1. The manuscript is prepared in a wired way. Usually the figures and its description is at separated pages.

response authors:

* The system of work has changed, below each drawing is its description in accordance with attention reviewer.

1. The manuscript has no page numeration

response authors:

* Page numbering has been added in accordance with attention reviewer.

1. Where are results obtained by optical density measurement described as "Treatment with nutrient germinants"? If this method was not apply, remove it from M&M section.

response authors:

* This paragraph was removed from work in accordance with attention reviewer

1. The quality of the gels presented at figs 1, 2 and 3 should be improved.

response authors:

The quality of the gels was improved, as soon as it was possible.

1. What was gel load? I.e. proteins from which number of spores were loaded into gel?

response authors:

Spores at approximately 6 log cfu/mL were loaded into gel.