



UNIVERSITY OF SOUTH BOHEMIA
IN ČESKÉ BUDĚJOVICE

Faculty of Science



STATEMENT OF THE DIPLOMA THESIS SUPERVISOR

Name of the student: Hobizalová Radka

Study programme: Biological Chemistry

Department/Institute: Institute of Chemistry and Biochemistry

Thesis title: Functional analysis of Salp25D, a homologue of peroxiredoxin, from castor bean tick *Ixodes ricinus*

Supervisor: Rudenko Nataliia, PhD.

Supervisor's affiliation: Vice-head of the Laboratory of Molecular Ecology of Vectors and Pathogens, Institute of Parasitology, Biology Centre, ASCR

	Point scale ¹	Points
(1) FORMAL REQUIREMENTS		
Formal and graphical quality of the thesis	3	3
Ability to work with literature	3	3
Language and stylistics	3	3
Ability to understand the results, their interpretation, and clarity of the results, discussion, and conclusions	3	3
Formal requirements – points in total		
(2) PRACTICAL REQUIREMENTS		
Fulfillment of the aims	3	3
Discussion quality – interpretation of results and their discussion with the literature	3	3
Logic in the course of the experimental work	3	3
Experimental difficulty of the thesis, independence in experimental work	3	3
Contribution of the thesis to the knowledge in the filed and possibility to publish the results (after eventual supplementary experiments)	3	3
Practical requirements – points in total		27
POINTS IN TOTAL (MAX/AWARDED)	27	0-27²

Suggestions and questions, to which the student has to answer during the defense: none

¹ Mark as: 0-unsatisfactory, 1-satisfactory, 2-average, 3-excellent.

² Enter the number of points awarded.

Eventual mistakes, which have to be corrected: none

Eventual additional comments of the supervisor on the student and the thesis:

Bc. Radka Hobizalová performed her Master thesis in the Laboratory of Molecular Ecology of Vectors and Pathogens. Her work was a continuation of the already started project incorporated into the major direction of the laboratory research that is oriented towards the studies of genes which expression was induced in tick in response to infection by pathogen or to blood meal.

Radka did a tremendous part of work moving the project on functional analysis of Salp25D, a homologue of peroxiredoxin, from castor bean tick *Ixodes ricinus* significantly ahead and prepared the base for its successful conclusion.

Radka Hobizalova has proved to be very intelligent, resolute and highly motivated young scientist who can work completely independently and with her own initiative. During the work on her project Radka has mastered a great number of important techniques which will definitely be of big help to her in her future work. Thanks to the high level of knowledge of scientific English as well as the ability to orient in the huge amount of the scientific literature on the relevant topic, Radka was able not only to plan her own experiments but to successfully interpret the obtained results and correlate them with already published data. Possessing a profound background of knowledge Radka could prosperously fulfill all the stated goals of her individual project and thereby prepared the fundamental basis for continuation and successful completion of the above mentioned project by publishing the obtained results in the scientific journal.

Spending a lot of time in the laboratory Radka showed herself as a friendly and easy-going person always ready to help and support the other members of the group.

In conclusion I would like to say that it was a real pleasure to work with Radka and I feel really sorry that she has decided not to continue her research carrier in our lab doing her PhD thesis.


Conclusion:

In conclusion, I

r e c o m m e n d

the thesis for the defense and I suggest the grade 1 .

In **Ceske Budejovice** date **18.01.2013**

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signature