



Přírodovědecká
fakulta
Faculty
of Science

Jihočeská univerzita
v Českých Budějovicích
University of South Bohemia
in České Budějovice

STATEMENT OF THE BACHELOR SUPERVISOR

Name of the student: Nora Hagleitner
Study program: Biological chemistry
Department/Institute:
Thesis title: RNAi screen of selected NAD(H) binding proteins in Drosophila wing
Supervisor: RNDr. Alena Krejci, Ph.D.
Supervisor's affiliation: University of South Bohemia, Faculty of Science

	Point scale ¹	Points
(1) FORMAL REQUIREMENTS		
Formal and graphical quality of the thesis	0-3	2
Ability to work with literature	0-3	2
Language and stylistics	0-3	3
Formal requirements – points in total		
(2) PRACTICAL REQUIREMENTS		
Fulfillment of the aims	0-3	3
Ability to understand the results, their interpretation, and clarity of the results, discussion, and conclusions	0-3	3
Discussion quality – interpretation of results and their discussion with the literature	0-3	2
Logic in the plan of the experimental work	0-3	3
Experimental difficulty of the thesis, independence in experimental work	0-3	2
Contribution of the thesis to the knowledge in the field and the possibility to publish the results (after eventual supplementary experiments)	0-3	2
Practical requirements – points in total		22
POINTS IN TOTAL (MAX/AWARDED)	27	(0-27)²

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

² Enter the number of points awarded.

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

Nora Hagleitner worked on her bachelor thesis in my laboratory as part of her international study program of Biological chemistry from October 2013 till June 2014. She came to the lab in the time when we were performing an RNAi screen with about 200 candidate genes with a putative NAD(H) binding domain, trying to look for potential metabolic sensors involved in Notch signalling. Therefore, Nora was given a task that fitted in this frame. She took a subset of fourty RNAi lines in order to test the phenotypic effects after donwregulating gene expression in the posterior part of the wing, with emphasis on Notch related phenotypic changes. The goal of her thesis was to learn basic Drosophila techniques and, at the same time, to be useful to the progress of the whole project ongoing in the lab.

Although technically the project was not extremely demanding, it was time consuming and within the time schedule that the Linz students are granted in Budejovice Nora did a good job. She worked independently, carefully, she understood the project and she was not afraid to ask when necessary.

It was obvious that chemistry is Nora's favourite topic and her thesis in biology are not going to change it. Although she probably did not fall in love with Drosophila and she was not overly keen to go deeper into the world of developmental biology, I believe she had a good time in the lab and it was useful for her career. Her results helped us to progress with the large project and pick interesting candidates for further analysis. I would like to appreciate the effort that Nora made to write up her thesis, despite having a 2 year gap since the experimental part, making it more difficult to remember and summarize the results.

Conclusion:

In conclusion, I

r e c o m m e n d to pass with grade excellent.

In **Ceske Budejovice**

date 23.8.2016

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signature