Přírodovědecká fakulta
Faculty of Science

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

STATEMENT OF THE BACHELOR THESIS SUPERVISOR

Name of the student: Thomas Stehrer
Study program: Biological Chemistry
Department/Institute: Department of Molecular Biology and Genetics
Thesis title: Testing knockdown of nucleotidases and the effect on e-Ado production during immune response in *Drosophila melanogaster* larvae
Supervisor: doc. Mgr. Tomáš Doležal, Ph.D.
Supervisor`s affiliation: Department of Molecular Biology and Genetics, Faculty of Science

	Point scale[1]	Points
(1) FORMAL REQUIREMENTS		
Formal and graphical quality of the thesis	0-3	3
Ability to work with literature	0-3	2
Language and stylistics	0-3	2
Formal requirements – points in total		7
(2) PRACTICAL REQUIREMENTS		
Fulfillment of the aims	0-3	2
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
Experimental difficulty of the thesis, independence in experimental work	0-3	3
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		12
POINTS IN TOTAL (MAX/AWARDED)	24	19

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

Comments of the supervisor on the student and the thesis:

Thomas carried quite a challenging project for the very limited time that students of Biological Chemistry program have here in Ceske Budejovice. He had to learn a very tricky procedure of the lymph gland dissection for ex vivo experiments besides learning Drosophila genetics and crosses, RNA isolation and q-RT-PCR. Thomas was very independent from the beginning and persistent and therefore he was able to manage this tricky procedure and get reasonable measurements. He also successfully silenced the genes of interest and verified the effectivity. Unfortunately, the final, most interesting experiments were affected by some technical problems (my best guess was an ineffective inhibition of adenosine deaminase) and Thomas did not have time to do the troubleshooting anymore. It was pity, Thomas would certainly deserve the results.

Writing his thesis was quite straightforward too, I think he had a very good understanding of the topic and was able to put together already a very good draft version and after just two discussions with me, he finished it. Therefore I was quite happy with his work and I regret that he could not spend more time in our lab.

Conclusion:

In conclusion, I r e c o m m e n d the thesis for the defense.

In České Budějovice, date 7.6.2018

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