



Přirodovědecká
fakulta
Faculty
of Science

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

SUPERVISOR'S STATEMENT ON BACHELOR THESIS

Name of the student: Bc. Eliška Kotounová, BSc
Study program: Biological chemistry
Department/Institute: Institute of Chemistry
Thesis title: Design and production of TBEV specific cleavage reporter for in vitro and in cell studies

Supervisor: Zdeněk Franta
Supervisor's affiliation: University of South Bohemia, Institute of Chemistry

	Point scale ¹	Points
(1) FORMAL REQUIREMENTS		
Formal and graphical quality of the thesis	0-3	3
Ability to work with literature	0-3	3
Language and stylistics	0-3	3
Formal requirements – points in total		9

(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	3
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	3
Practical requirements – points in total		15

POINTS IN TOTAL (MAX/AWARDED)	24/24	(24) ²
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¹ Mark as: 0-unsatisfactory, 1-satisfactory, 2-average, 3-excellent.

² Enter the number of points awarded.

Comments of the supervisor on the student and the thesis:

Eliška was one of the first students who joined our lab back in autumn 2017 for her bachelor studies. That time she started to work on ARV and its RNA chaperone protein - σ NS. Upon a two break, which Eliška spent working on her project in Linz, she decided to join our lab again for her master studies. Eliška change the project topic from ds RNA ARV to ssRNA TBEV virus. TBEV replication became one of the major topics in our lab and Eliška fit well in the team. To fulfill the assignment of her master thesis, Eliška could partly use the knowledge gained during her bachelor studies (she also delt with recombinant production of viral protein). However, a major part of Eliška's master work was in the creation of TBEV specific cleavage reporter, establishment of mammalian stable cell lines expressing desired construct and evaluation of the reporter system upon TBEV infection. To fulfil the task Eliška had to learn many new techniques as well as picture analysis methods. Even though Eliška had no previous experience with cell line handling she performed very well and mastered all the approaches and techniques necessary for the successful fulfilment of the project thus becoming an independent lab member.

It was pleasure for me, as a supervisor, to guide Eliška through the research project. She is very enthusiastic and proactive student with passion for the lab work. Eliška actively searched for the relevant literature and educated herself in the field. This was very helpful when we were discussing the project and planning the next steps, or when Eliška drafted her master thesis.

Finally, I have to say that Eliška is very nice person with great working attitude, and I am convinced she will use the knowledge gained during her master studies to build her future scientific career and I wish her all the best.

Conclusion:

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

In České Budějovice date 27.02.2021



signature