



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: Anita Bär

Study program: Biological Chemistry

Department/Institute: Faculty of Science, University of South Bohemia, České Budějovice, Czech Republic

Thesis title: Functional analysis of Tb927.9.2900, a protein involved in pre-18S rRNA processing in *Trypanosoma brucei*

Supervisor: RNDr. Drahomíra Faktorová, Ph.D.

Supervisor's affiliation: Institute of Parasitology, Biology Centre, Czech Academy of Sciences and Faculty of Science, University of South Bohemia, České Budějovice, Czech Republic

	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

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

Comments of the supervisor on the student and the thesis:

Anita first came to our lab (Molecular Biology of Protists lead by Prof. Julius Lukeš) in the beginning of October 2015 and the same day she sent me an e-mail that she would love to make her Bachelor thesis in our lab and that she wants to start as soon as possible. Therefore, I was happy to accept her and I must admit that Anita showed a great courage, since she was my first student that I officially supervised.

She immediately started with cells cultivation, measuring of growth curves, Western and Northern blot analysis.

Goal of the Anita's project was to perform functional analysis of Tb927.9.2900, a protein that shows up to be involved in pre-18S rRNA processing in both stages of the parasite *Trypanosoma brucei*.

The aim of her thesis was quite challenging, especially considering very little time, which is given to students of programme Biological Chemistry to finish their projects. With not much of previous experience, Anita oriented herself very quickly in the laboratory and soon she mastered various techniques of molecular and cellular biology.

Anita successfully finished all experiments, which were planned for her project and as a cherry on the cake during writing the thesis we obtain from our collaborators very interesting data from the ribosome profile analysis. The results of the thesis will be part of the manuscript that is just under preparation.

Based on the plethora of experimental methods used, which led to obtain interesting results, together with critical thinking, Anita has certainly acquired all the essential skills needed to continue her future in Natural Sciences and I wish her all the best in her future career.

In conclusion, I was really happy to have Anita in our laboratory and in my opinion her thesis is of very high standard. My recommendation is therefore to grant Anita Bär the Bc degree.

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 České Budějovice, date 15.9.2017



RNDr. Drahomíra Faktorová, PhD.