



Přirodovědecká fakulta
Faculty of Science

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

STATEMENT OF THE BACHELOR/DIPLOMA * THESIS REVIEWER

Name of the student: Sophie Honeder

Thesis title: Construction and use of GFP and DsRed expressing vectors and transformation in *Borrelia afzelii*

Supervisor: Ryan O.M. Rego, PhD

Reviewer: Dr. Miray Tonk

Reviewer's affiliation:

Fraunhofer Institute for Molecular Biology and Applied Ecology,
LOEWE Center for Insect Biotechnology and Bioresources
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Germany

	Point scale ¹	Points
(1) FORMAL REQUIREMENTS		
Extent of the thesis (for bachelor theses min. 18 pages, for masters theses min. 25 pages), balanced length of the thesis parts (recommended length of the theoretical part is max. 1/3 of the total length), logical structure of the thesis	0-3	3
quality of the theoretical part (review) (number and relevancy of the references, recency of the references)	0-3	3
Accuracy in citing of the references (presence of uncited sources, uniform style of the references, use of correct journal titles and abbreviations)	0-3	2
Graphic layout of the text and of the figures/tables	0-3	3
Quality of the annotation	0-3	3
Language and stylistics, complying with the valid terminology	0-3	3
Accuracy and completeness of figures/tables legends (clarity without reading the rest of the text, explanation of the symbols and labeling, indication of the units)	0-3	3
Formal requirements – points in total		20
(2) PRACTICAL REQUIREMENTS		
Clarity and 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 the results and their discussion with the literature	0-3	3

* Choose one

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

(absence of discussion with the literature is not acceptable)		
Logic in the course of the experimental work	0-3	3
Completeness of the description of the used techniques	0-3	3
Experimental difficulty of the thesis, independence in experimental work	0-3	3
Quality of experimental data presentation	0-3	3
The use of up-to-date techniques	0-3	3
Contribution of the thesis to the knowledge in the field and possibility to publish the results (after eventual supplementary experiments)	0-3	3
Practical requirements – points in total		27

POINTS IN TOTAL (MAX/AWARDED)

48

(47)²

Comments of the reviewer on the student and the thesis:

The study was well designed and experiment were carefully performed. Additionally, each sections were also clearly organized. It was well written so that reader can easily follow it.

Suggestions and questions, to which the student has to answer during the defense. Mistakes, which the students should avoid in the future:

Questions:

- 1- Has gene variation and the presence or absence of certain genes effect on tissue specificity of *Borrelia*?
- 2- Could student please explain infectivity of the different *Borrelia afzelii* strains? Could that be explained by only plasmids or do any other factors play a role?
- 3- Adding a fluorescent protein to gene of interest does an impact on localisation of the gene of interest?
- 4- Similar to previous question; Adding a fluorescent protein to gene of interest does any effect on gene expression of the gene of interest?

Suggestions:

- 1- In figures: The word 'adapted from X' should be used when a figure is modified from its original publication, otherwise if a figure is directly taken from a publication, without any changes, it has to be stated as 'from X' (Page 5 and Page 8).
- 2- Acknowledgement could be included (which was mentioned in the materials and methods section, page 12).
- 3- Conclusion section could be also included separately.

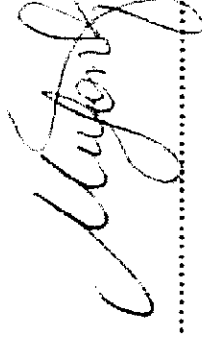
² Enter the number of points awarded.

Conclusion:

In conclusion,

I r e c o m m e n d the thesis for the defense and I suggest the grade 1 .³

In Giessen date 13.06.2017

A handwritten signature in black ink, appearing to read 'M. J. J. J.', written over a horizontal dotted line.

signature

³ You can suggest a grade, which can be modified during the defense based on the presentation. However, if the reviewer is not present at the defense, the grade will not be counted.