

Supervisor's Report for the Bachelor's Thesis of Kamila Machová Entitled:

RNA biology of symbiotic bacteria in insects

Kamila Machová has started working under my supervision right at the beginning of her bachelor study. After trying several different smaller-scale projects, the bioinformatic analysis of non-coding RNAs in symbiotic bacteria of insects has crystallized as the most interesting topic for both the student and also the supervisor. Being a bioinformatician means knowing enough biology, computer science, and statistics to be (sometimes) looked down on by purists in all three disciplines. Kamila has not only managed to get decent background in all these three disciplines, but also to learn all methods needed for the project in relatively short time. Although there are of course typos, weird expressions, and grammar errors in the thesis, I consider the level of her written English to be very good for a bachelor student.

From the supervisor's point of view, it was sometimes difficult to keep Kamila organized and on schedule of the project as it seemed that she is following the saying that genius can handle chaos. However, it is important to note that it did not lead to any issues and she successfully managed to finish the thesis on time and add numerous analyses which were not originally planned. When rewritten into a manuscript, I consider some of the results acquired by Kamila in her thesis as publishable in international impacted journals (which is definitely not usual for a bachelor thesis).

The thesis in many ways not only surpasses requirements for a bachelor thesis at our university, but could in my opinion compete with some master theses and I gladly recommend it to be evaluated as excellent.

In České Budějovice, May 19th 2016



Filip Husník

Institute of Parasitology, Biology Centre of the Czech Academy of Sciences &
Department of Molecular Biology, Faculty of Science, University of South Bohemia