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Supervisor's evaluation of Marek Pazderník for the purpose of his Master thesis defense

Marek came to our lab for a relatively short experimental work of about 4 months, due to the time limitations of the cross-border study programme. Although at first I was worried he will not have enough time to master necessary knowledge and carry out all experiments needed for his master thesis, he quickly proved my worries were unsubstantiated. He took to the job with high commitment and within two weeks it was clear he will be able to do everything needed. Marek learned quickly his way around the lab, all methods needed and progressed in the work quite fast. It was also obvious that he had substantial know-how of many of our methods from his studies, the Biological Chemistry curriculum is apparently quite thorough. Most of the time he was very independent. He was also able to think deeply about the methods used and develop adjustments when needed, an undertaking he keenly pursued several times. As a result the collected data were of high quality and we were able to zero in on the explanation for the presence of red shifted pigment in *Trachydiscus*.

In contrast to his excellent lab work, Marek underestimated the need for literature survey and as a result often lacked deeper understanding of the work. This shortcoming surfaced later when this information was needed for correct interpretation of obtained data. Probably for similar reasons Marek also allocated relatively short time for thesis writing which made it challenging to develop the work fully. I believe the finished thesis still bears some marks of these problems.

During his term in our lab Marek managed to train well one of our technicians in some of his more difficult techniques and also learned some optical spectroscopy background despite it not being strictly "biochemistry". Overall, I believe Marek demonstrated he is a very good lab worker with high quality education and carried out sufficient amount of work to be recommended for thesis defense. Provided he finds a topic he is truly passionate about, he will surely become an outstanding professional.

In České Budějovice, 28 April 2015

