



FACULTY OF SCIENCE

University of South Bohemia in České Budějovice

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Mentor's statement about the bachelor thesis of Radka Hobizalova

(Developmental profile of putative ecto-5'-nucleotidase genes of *Drosophila melanogaster*)

Radka spent couple months during spring 2009 in my laboratory working on her bachelor thesis. Together we decided that she would participate on a long-term project focused on the effects of extracellular adenosine in the model organism *Drosophila melanogaster*. One of the weaknesses of this project is an uncharacterized production of the extracellular adenosine in *Drosophila* model. This is carried out by ectonucleotidases in mammalian systems. Therefore as a first characterization I decided to analyze the expression of homologous genes in flies by RT-PCR method which was just a perfect short-term project for a skilful student. Fortunately, it turned out that Radka is such a skilful student. She learnt the necessary methods quickly and she was soon able to work quite independently producing results of good quality. She showed a very good understanding of the scientific problems related to her work.

Radka is well organized; her laboratory notebook is one of the best I have seen. She also wrote her thesis pretty much by herself, with my minimal direct help, she would usually come to briefly discuss the problems and then she processed it to her thesis. I am very satisfied with her thesis, the way she presents her work fits well my personal preference. Radka is also very nice and friendly person; I regret that she could not spend much more time in our lab. I truly believe that if she would decide to do science she could become a very good scientist. I can honestly say that she deserves the Bachelors degree.

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