

Supervisor evaluation of bachelor thesis of Petr Rathner

IRAM9 – a member of a thioester-containing protein family from the hard tick *Ixodes ricinus*

The aim of the theses was to identify molecule of thioester-containing protein IRAM9 from *Ixodes ricinus* a member of α_2 -macroglobulin protein family. IRAM9 was identified as macroglobulin complement related protein, not yet fully known group of α_2 -macroglobulin family.

In a period of three or four months Petr determined partial sequence of IRAM9, profiled expression, prepared recombinant protein from the part of molecule and obtained polyclonal antibodies used for Western blot analysis.

In this short time Petr has learned basic methods of molecular biology such as RNA isolation, PCR, cloning and protein expression, Western blotting etc. Petr successfully accomplish the project and obtained results can contribute to complement our knowledge of α_2 -macroglobulin proteins.

Little direction in the composing of this thesis can not degrade the good impression on the collaboration.

I believe that the presented work meets the bachelor thesis requirements.

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Lenka Grunclová