Supervisor´s statement to the bachelor thesis of Mr. David Pech

Mr. **David Pech**, a student of Biological Chemistry, submitted to defence his bachelor thesis entitled ´**Determination of amino acod sequence of hemelipoglycoprotein from tick *Dermacentor marginatus* by mass spectrometry**´. David had already joined our laboratory a few years ago while working on the tick cystatin project as a senior high school (gymnasium) student. This time, he decided to deal with the tick hemelipoglycoprotein (HLGP) which our master degree student Jarmila Dupejová identified, isolated and purified from tick *D. marginatus*. David became excited for mass spectrometry techniques which has a ´finger printing´ potential to determine fundamental features of proteins including amino acid sequences. David had to learnt/acquired a lot of currently topic knowledge about this modern approach in protein analytical biochemistry and proteomics. David´s project became a part of our research of so called fibrinogen-related proteins (FREPs), and results he obtained will be very useful/helpful in further steps of our research. Working on the project David acquired essential skill to work with MS data, interpret them, and use them to decipher the amino acid sequence of HLGP.

David completed the bachelor thesis of high quality with very well written individual parts of the thesis starting with very informative introduction, well written chapters of methods as well as results and their subsequent discussion. David has shown his talent and enthusiasm for science/research work. Over whole period of time while he worked on his bachelor project David had shown up such high motivation for protein biochemistry and especially for mass spectrometry of proteins. This is a field David can take advantage of his great talent to work with specialized software and to look for new ways of software usage.

In conclusion, I would like to clearly support Mr. David Pech´s bachelor thesis to its defence.

On the hilltop of Kleť, June 12, 2010   Prof. RNDr. Libor Grubhoffer, CSc.