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To whom it may concern

The Thesis entitled genetic variation on North American crayfish species introduced to Europe and the prevalence of the crayfish plague pathogen in their populations by Lenka Filipová represents a significant contribution to the knowledge on genetic diversity of invasive North American species in Europe and their role as carriers of the crayfish plague pathogen *Aphanomyces astaci*.

The work is organized in seven chapters, five of which deals with genetic diversity of the alien species and two with the role as carriers of the crayfish plague pathogen by this introduced crayfish species. This last two are re-examining previous studies and contributing significantly to the interpretation of the use of molecular techniques. The thesis is well written and organized and deals with complex problems. The methodology used is novel and suitable and the results obtained contribute significantly to the field of freshwater, astacological and mycological research. The results are well discussed and literature is updated and well revised.

Based on the comprehensive Ph D-Thesis I consider that Lenka Filipová is ready to be defended and its quality fulfils the necessary requirements for obtaining the PH D degree.

Your sincerely,

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