



Přírodovědecká
fakulta
Faculty
of Science

Jihočeská univerzita
v Českých Budějovicích
University of South Bohemia
in České Budějovice

SUPERVISOR'S STATEMENT ON DIPLOMA THESIS

Name of the student: Katka Vejvodová
Study program: Clinical biology (master)
Department/Institute: Department of medical biology
Thesis title: Recombinant production and characterization of protease domain from TBEV nonstructural protein NS3.

Supervisor: Zdeněk Franta
Supervisor's affiliation: University of South Bohemia, Institute of Chemistry

Katka joined our lab for her master studies in spring 2019. At this time, we started a new project with focus on nonstructural proteins of TBEV and Katka became a part of the team. Katka's master work focus on cloning, production and biochemical characterization of NS3 protease domain, which plays crucial role in polyprotein processing. To complete her master studies, Katka had to learn several new techniques and approaches, because her bachelor thesis laid mostly in cell culture experiments and evaluation of anti-virotic effect of chosen natural product on dendritic cells infected with TBEV. Katka's project took a bit longer than expected, due to the combination of hard to produce protein and wrong "study strategy", when Katka decided to do the exams first and leave the project to the second half of her Masters studies. This strategy prove itself wrong by raise of COVID-19 pandemic and consequent restrictions. Nevertheless, Katka did not give up and specifically at the end of her studies; she was hard working and spent a lot of time in the lab gaining interesting results. Katka shows the passion for the topic by choosing to stay in the lab even after her defense and continue working on NS3 protease without entering the PhD studies. Katka worked precisely, and carefully performed all the tasks, she managed to fulfil all her goals and results gained during her master studies lay the foundation for the future experiments. I was satisfied with Katka's performance in the lab and I am confident she fulfills all the criteria for obtaining mgr. degree and **recommend** her thesis for the defense.

In České Budějovice date 25.05.2021

signature