

SUPERVISOR'S OPINION OF DIPLOMA THESIS	
<input checked="" type="checkbox"/> Supervisor's opinion	Supervisor of the thesis: Said Hafidh
	Date: 31.08.2017
Author of the thesis: FILIP LINHART	
Name of the thesis: Characterization of eukaryotic translation initiation factor 3 subunits (eIF3) in <i>A. thaliana</i> male gametophyte	
<p>Inclusion of the submitted work in the context of current work of the team The presented master thesis was a part of broader project solved in the lab dedicated to the investigation of translation regulation in the male germline. Therefore, it fit well in the lab context and was supported by several CSF projects (P501/11/1462, 14-32292S, 15-22720S and 15-16050S).</p>	
<p>Student's approach to the given topic. Filip started his master thesis work with a lot of enthusiasm and a drive to do science. Initially, his part time self-employment work was a distraction to his work focus however after sometime we managed to organise in a way that he reached a healthy balance for research and his "bread earning" job. There on he showed a great deal of independency, creativity in his approach particularly in resolving issues with the T-DNA lines as well as in cloning. Although at many times Filip came across hysterical during troubleshooting, he showed responsibility and a good element of maturity. I enjoyed at most his transparency when things where not right, which helped a lot in problem solving. His ability to extract literature is very good but he always needed a push to read! Overall, I think Filip enthusiasm in science in a broader spectrum and his abilities to fulfil his goals, appealed me strongly and gave me patient to work with him. I look forward to continue working with him.</p>	
<p>Work progress The objectives of Filip master thesis were laid out clearly at the very beginning. His work started with literature survey, ordering of T-DNA insertion lines, primer design and a need to familiarise himself with cloning techniques and tissue culture. Although hesitant at times, with encouragements, he progressed quickly in the characterisation of the T-DNA insertion lines. Filip was lucky with 3/5 genes that he wanted to characterise, their T-DNA lines seemed likely to contain additional insertions! Therefore, Filip spent more than 6 months trying to clean the background of these lines. He single handed discovered this problem and took on the work to generate cleaner lines. Filip made a swift progress with cloning and generation of transgenic lines as well as establishing good lines for promoter analysis as well as protein localization. He perfected RNA isolation from very beginning (although struggled a bit with DNA contamination) as well as dCAP genotyping technique. My only criticism is he slightly lagged behind to master confocal microscopy, but I believe this was due to my lack of time to attend him as well as his master thesis was only a part time work. Filip occasionally suffered from stress and lack of rest as well as personal health problems, but I believe he managed well overall.</p>	
Additional remarks on the course of work	
Final classification proposal: 1 (1 – excellent; 2 – very good; 3 – good; 4 – unsatisfactory)	
Signature of supervisor	

Instructions for the preparation and submission of the opinion:

- Use this form for evaluation of the thesis. The text in standard font serves as a guide.
- According to the University rules, the opinion must be made available at least three working days prior defence.
- You can submit the fulfilled form by yourself to the SIS or send it **in advance** electronically to: hana.konradova@natur.cuni.cz and lipavska@natur.cuni.cz. Furthermore, please, ensure the delivery of the signed original to the secretary's office of the Department of Experimental Plant Biology, Faculty of Science, Charles University (Mr. Elena Kozlova), Viničná 5, 128 44 Praha 2. **The signed printed copy of the opinion must be delivered in advance, without it the defence cannot start!**