

<b>SUPERVISOR'S OPINION OF DIPLOMA THESIS</b>	
<input checked="" type="checkbox"/> <b>Supervisor's opinion</b>	<b>Supervisor of the thesis: Matyáš Fendrych</b>
	<b>Date: 29.06.2020</b>
<b>Author of the thesis: Daša Wernerová</b>	
<b>Name of the thesis:</b> Visualization of root apoplastic pH in plants	
<b>Inclusion of the submitted work in the context of current work of the team</b>	
<p>The topic of the thesis – visualization of cell wall pH – is crucial for the aim of our team research – understanding the regulation of cell growth. Daša was one of my two first master's students, therefore she had to start her work from scratch, she had to learn and optimize molecular cloning methods, but mainly she had to master the live-cell imaging approaches. Here her technical skills were most apparent, she quickly learned microscopy, but also with the help of Jáchym Metlička, started to design and produce 3D printed imaging chambers and gadgets for the lab. These are, together with the pH surface imaging method, used by other members of the team.</p>	
<b>Student's approach to the given topic</b>	
<p>Daša's approach to the thesis was great. She was hard working, very creative and very independent. I really enjoyed doing experiments together. She was interested particularly in the methodological aspects of the work, mostly in microscopy. I think that reading more literature, especially in the initial phases of the project, would have been beneficial. Daša plans her work and experiments very precisely and rarely does mistakes. Also, the way she was documenting her work was exemplary.</p>	
<b>Work progress</b>	
<p>The work on the thesis progressed very well, the amount of experimental work Daša performed was more than satisfactory. The final stage of the work in which Daša was supposed to evaluate her Arabidopsis marker lines was disturbed by the coronavirus pandemic. Daša started to write her thesis in time, she progressed very systematically, unfortunately, the last pieces were done slightly under time pressure. However, the resulting thesis is still a great piece of work.</p>	
<b>Additional remarks on the course of work</b>	
<b>Final classification proposal:</b>	
I gladly recommend the thesis for defence with the classification excellent.	
<b>Signature of supervisor</b>	