



Přirodovědecká
fakulta
Faculty
of Science

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

SUPERVISOR'S

BACHELOR THESIS

STATEMENT ON

Name of the student: Teodora Nazare

Study program: Biological chemistry

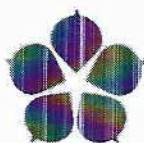
Department/Institute: Department of Chemistry

Thesis title: Analysis of repeat content in the genomes of green algae and early land plants

Supervisor: Abdoallah Sharaf, PhD

Supervisor's affiliation: Institute of Plant Molecular Biology

	Point scale ¹	Points
(1) FORMAL REQUIREMENTS		
Formal and graphical quality of the thesis	0-3	3
Ability to work with literature	0-3	3
Language and stylistics	0-3	3
Formal requirements – points in total		9
(2) PRACTICAL REQUIREMENTS		
Fulfillment of the aims	0-3	3
Ability to understand the results, their interpretation, and clarity of the results, discussion, and conclusions	0-3	2
Discussion quality – interpretation of results and their discussion with the literature	0-3	2
Experimental difficulty of the thesis, independence in experimental work	0-3	3
Contribution of the thesis to the knowledge in the field and the possibility to publish the results (after eventual supplementary experiments)	0-3	3
Practical requirements – points in total		13
POINTS IN TOTAL (MAX/AWARDED)	24	22



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¹ Mark as: 0-unsatisfactory, 1-satisfactory, 2-average, 3-excellent.

Comments of the supervisor on the student and the thesis:

This thesis aims to explore the genome evolution and diversity of repetitive elements in the green lineage (Viridiplantae) species, pinpointing the similarities and differences between Viridiplantae subgroups. To achieve this aim, Teodora used RepeatExplorer 2 to analyze the distribution of repetitive elements in the genomes of 12 organisms ranging from single-cell green algae to land plants. The analysis pipeline designed for this work required Teodora to get familiar with the galaxy platform and the basics of the bash command lines. Moreover, Teodora was required to cover the biological basis of DNA repeats to interpret the results and develop her thesis.

However, Teodora proved that she is able student keen on acquiring research knowledge and new discoveries. Her eager and hardworking nature is highly appreciated.

Conclusion:

In conclusion, I recommend the thesis for the defense.

In České Budějovice

date: September 15th, 2022

signature