***Appendix #6***

**Ilia State University**

**Faculty of Natural Sciences and Medicine**

**Assessment form of master’s thesis reviewer**

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| Master’s Program  Applied Genetics | | | |
| Student’s Name, Surname  Seyedsajjad Haghi | Reviewer’s Name, Surname  Elene Zhuravliova | | |
| Master’s Thesis Title  In Silico Construction and Simulation of a SingleGuide GS-Knockout PiggyBac Platform for AntiPSA Fab Production in CHO Cells | | | |
| **Assessment** | | | |
|  | **Point** | **Max. Point** | **Note** |
| **Contents - criteria** | | | |
| **Formulation of research questions / hypothesis and relevance of the objectives** (How clearly formulated is research issue/ problem? Is the project sufficiently justified to warrant approval?) | 8 | 8 |  |
| **Modern scientific literature review about thesis** (How relevant and sufficient is the literature review? Does the literature review support the contention, that the project generates new knowledge?) | 7 | 7 |  |
| **Research method’s accordance with the purpose of research** (Is the methodology sufficiently justified? Are the methods cited appropriate and sufficiently validated? Is the proposed methodology current and appropriate? What are the limits or constraints of the proposed methodology? | 7 | 7 |  |
| **Appropriateness of interpretation and argumentation.** (Has the data been sufficiently and correctly analysed? Is the analysis complete? Are the results sufficiently described and analysed?) | 8 | 8 |  |
| **Organization – Criteria** | | | |
| **Consistency of style and structure of thesis** (Does the thesis maintain consistent style throughout? Are the required elements given appropriate treatment?) | 6 | 6 |  |
| **Bibliography (**Are the citations in the bibliography relevant and comprehensive? How reliable are the sources given in the bibliography?) | 4 | 4 |  |
| **Submission of Data** (Do figures and graphics properly represent or summarize the data analysis (e.g., graphs images, tables, diagrams, etc.)? Are graphics and illustrations relevant?) | 4 | 4 |  |
| **Language – Criteria** | | | |
| **Academic language** (Does the student’s text demonstrate effective communication skills? Is the language grammatically and stylistically correct?) | 3 | 3 |  |
| **Quote / Referral** (Has the student adequately and appropriately cited source material?) | 3 | 3 |  |
| **Sum :** | 50 | 50 |  |

The thesis excels in combining advanced guide RNA design, genome-scale metabolic modeling, and modular vector assembly into a streamlined, reproducible workflow—reducing off-target risk and aligning with regulatory standards by avoiding antibiotic selection. Its strong emphasis on reproducibility, industrial relevance, and design transparency (via public repositories) makes it a compelling and practical contribution to next-generation cell line engineering.

**Recommendations:**

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| Date | Electronic version of completed document must be sent to student’s and Faculty of Natural Sciences and Medicine electronic address [sciences\_medicine@iliauni.edu.ge](mailto:sciences_engineering@iliauni.edu.ge) |