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Opponent review of "Reimplementation of the Connectivity Map with Accessibility Enhancements" from Evren Aricanli

The bachelor thesis "Reimplementation of the Connectivity Map with Accessibility Enhancements" from Evren Aricanli was clearly formulated and very detailed.

The thesis is about the connectivity map, which is a biomedical research tool for comparing a gene expression profile against a library of (drug-treatment) gene expression profiles. The author implements another version with a simplified User interface for this map via R.

In the text of this thesis some sources were missing in the prerequisite knowledge chapter. It contained many different bioinformatics protocols and methods, which were not referenced when first mentioned (like FARMS).

In this thesis there was no explaining of the abbreviations, when first mentioned in the introduction and there was no list of abbreviations.

Also the references are not linked to the reference section, which made it slower to find the paper.

On the plus side the CMap tool was implemented and functional. The tool has also nice features and is therefore useable. A link to the implementation for verification would have been good.

Overall the thesis is precisely written and explained very well. My recommendation is to have the author look over his thesis again and add the abbreviation chapter and references that are missing. There are also some spelling and grammatical errors that could be corrected.

If this downsides are adjusted I would recommend the acceptance of this Bachelor thesis.

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