Reviewer’s report

Title: Enhancement of hepatitis virus immunoassay outcome predictions in imbalanced routine pathology data by data balancing and feature selection before the application of support vector machines

Version: 0 Date: 03 Jan 2017

Reviewer: Robert Borotkanics

Reviewer's report:

The revised submission is an improvement over the original submission. The methods are easier to follow and conclusions drawn are generally consistent with results and methods.

I recommend the following modifications:

The paragraph starting at the top of page six belongs in the results section.

Figure 2 requires a better explainer to the lay reader.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics
Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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