Reviewer's report

Title: Revealing Alzheimer's Disease genes spectrum in the whole-genome by Machine Learning

Version: 0 Date: 16 Sep 2017

Reviewer: Sheshadri Iyengar Raghavan Bhagyashree

Reviewer's report:

The paper on "Revealing Alzheimer's Disease genes spectrum in the whole-genome by Machine Learning" is informative. SVM has been used to predict the data which is a good work. The author has collected around 20000 data which is a good sample set for predictive analysis.

Machine learning is used to classify new genes based on the classification of AD-associated genes and the specific-brain tissue network to prioritize new AD candidate genes. This work will help the researchers to find the most prominent genes responsible for AD. The classification accuracy is 84.56%.

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?
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Yes

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If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable
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