Reviewer’s report

Title: A systematic review and integrative approach to decode the common molecular link between levodopa response and Parkinson's disease

Version: 0 Date: 29 May 2017

Reviewer: Jolanta Dorszewska

Reviewer's report:

Manuscript is the search for more effective PD therapy based on genetic background. Methodology of research is very detailed described.

My remarks:

- among non-motor functions lack of genetic determinants of depression, such as the genetic variations of SPR gene, Oczkowska et el. 2015.

- the large amount of data in the manuscript makes it unreadable. Maybe the summary should be presented graphically or additionally given genes important for PD therapy. It would also be useful to list prognostic and predictive genes for PD or therapy

- correct language and editorial errors e.g. page 13.

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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Unable to assess

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

Acceptable

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