Reviewer’s report

Title: The Caudate Nucleus Undergoes Dramatic and Unique Transcriptional Changes in Human Prodromal Huntington's Disease Brain

Version: 1  Date: 07 Aug 2019

Reviewer: Luca Pradotto

Reviewer's report:

The authors investigated the gene expression pattern of caudate nucleus in presymptomatic subjects carrying Huntington disease mutations. The transcriptional analysis identified specific cell responses such as activation of heat shock system, activation of gene involved in cell cycle control, or immune response. This data suggested an activation of cell processes in response to an alteration of protein homeostasis and activation of programmed cell dead. Unfortunately, the small series size is a serious limit for the statistical analysis and in many cases of different in gene expression only a trend can defined. However, the work is valuable and provides useful information in the pathological processes underlying Huntington disease.

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?
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I am able to assess the statistics

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

Acceptable
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