Reviewer’s report

Title: Chromosome 9p copy number gains involving PD-L1 are associated with a specific proliferation and immune-modulating gene expression program active across major cancer types

Version: 0 Date: 05 Sep 2017

Reviewer: Nadine Norton

Reviewer’s report:

The authors have taken TCGA datasets of gene copy number and gene expression and performed differential expression analyses on those patients with PD-L1 copy number gains versus those without. Gene ontology analyses of differentially expressed genes found enrichment of genes involved in cell cycle regulation and the immune system.

The manuscript is well written and the conclusions are supported by the results. The manuscript would be improved by replication of the enrichment in other datasets, although I realize this is difficult and should not prevent the current data from publication.

One minor comment: The authors use the standard TCGA nomenclature for the different cancer types which they define in the text of the methods section, but it would it would be easier for the readers if they could also define them in the legend of Table 1.

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:

Acceptable

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