Reviewer's report

Title: Similar gene expression profiles of sporadic, PGL2-, and SDHD-linked paragangliomas suggest mitochondrial complex II dysfunction in all three groups

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Reviewer: Kazumasa Isobe

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The authors presented similar gene expression profiles of sporadic, PGL2-, and SDHD-linked paragangliomas using a RNA expression microarray study, and suggested that tumor formation in these subgroups involves the same pathway.

1. The methods of the study are quite appropriate and well described. The discussion and conclusions are well balanced and supported by the data they also cited adequate reports.

2. I wonder if they compared the data with normal adrenal medulla, adrenal pheochromocytoma, and SDHB-linked paraganglioma, they could show the difference among pheochromocytomas.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.