Reviewer’s report

Title: Stomatin-like protein 2 was overexpressed in epithelial ovarian cancer and predicted patient poor survival

Version: 4 Date: 31 January 2015

Reviewer: Nozomu Yanaihara

Reviewer’s report:

Thank you very much for submitting your manuscript to the BMC cancer Journal. I went through the manuscript and had an impression that the paper is well-written, the tables and figures are of high quality, and the authors have clearly worked to produce a comprehensive dataset and detailed description of their methods. However, this paper still needs a considerable revision to be acceptable for the BMC cancer Journal. There are several reports with functional analyses including cell growth, cell adhesion, and tumorigenesis in the antisense approaches. They could perform these functional analyses to gain a deeper understanding of the role of SLP-2 in ovarian cancer.

The manuscript describes SLP-2 was overexpressed in epithelial ovarian cancer and the expression status could predict patient survival. SLP-2 was identified to be overexpressed in several cancer, and the down-regulated expression of SLP-2 could reduce the function of cell growth, adhesion and invasion, which indicate that SLP-2 was a novel potential cancer-related gene. Up to now, there is no report about SLP-2 in ovarian cancer. The authors demonstrate clearly that SLP-2 was a cancer-related gene and this protein overexpression of SLP-2 was associated with advanced stage disease in ovarian cancer. Furthermore, this paper presents that patients with higher expression of SLP-2 protein had shorter PFS and poor OS, and this protein was an independent prognostic factor for patients with epithelial ovarian cancer.

I would have also preferred more discussion, since writing often lacks clarity and sharpness and several sections are poorly organized. In addition, the manuscript would be improved through English editorial review.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.