Reviewer's report

Title: MicroRNA-27a promotes proliferation and suppresses apoptosis by targeting PLK2 in laryngeal carcinoma

Version: 2 Date: 28 May 2014

Reviewer: Yanan Sun

Reviewer's report:

In this manuscript, the authors studied miR-27a's potential oncogenic role in laryngeal carcinoma. The authors firstly demonstrated that miR-27a acts as an oncogene in laryngeal squamous cell carcinoma through down-regulation of PLK2. This is an interesting topic. However, it needs a minor revision.

The authors proposed in their cell experiments that miR-27a significantly decreased PLK2 expression at protein level (Figure 3D) but not at mRNA level (data not shown) in laryngeal cancer cells. PLK2 protein level in laryngeal cancer tissues, which can best describe the correlation between miR-27a and PLK2, is therefore needed to be detected.

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.