Reviewer's report

Title: MicroRNA-363 targets myosin 1B to reduce cellular migration in head and neck cancer

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Reviewer: Chang-Han Chen

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Minor Essential Revisions

In this manuscript, the author tried to identify the biological role and mechanism of miR-363 in head and neck cancer. This study is interesting and novel. To improve the quality of manuscript, several questions need to be addressed.

1. In this manuscript, the author described that miR-363 can inhibit cell migration ability, but not influence cell growth in HPV-negative SCCHN cell. This result is very important. Please display the results of cell proliferation, such as WST, BrdU, and/or colony formation assay in the figure section or in the supplementary figure section.

2. The author transfected premiR-363 into HPV-negative SCCHN cells to assay its biological function. How did author know that the premiR-363 was transfected into the cells? Please clarify it.

3. In figure 5, the MYO1B protein level should be demonstrated, while endogenous MYO1B was depleted by using MYO1B-mediated shRNA.

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.