Reviewer's report

Title: MicroRNA-645, Up-regulated in Human Adenocarcinoma of Gastric Esophageal Junction, Inhibits Apoptosis by Targeting Tumor Suppressor IFIT2

Version: 2 Date: 16 June 2014

Reviewer: Peter P Grimminger

Reviewer's report:

Dear Editor,

The authors Xiaoshan Feng et al. present a very interesting work presenting microRNA-645 as a possible inhibitor of apoptosis in AEG cancers via suppression of IFIT2. In 43 specimens of tumor and non-tumor tissue of AEG cancer pts miRNA-645 was measured using RT-PCR. The authors could show an overexpression in the tumor tissue compared to paired non-tumor tissue. Also in cell-lines the up-regulation of miRNA-645 was shown. A inhibition of miRNA-645 induced apoptosis by up-regulating IFIT2. In conclusion Xiaoshan Feng et al. suggest that miRNA-645 as a potential oncogene in AEG.

The work is nice performed.

I suggest a publication without further comments.

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.