Author's response to reviews

Title: Slug Down-Regulation by RNA Interference Inhibits Invasion Growth in Human Esophageal Squamous Cell Carcinoma

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Author's response to reviews: see over
Dear Prof. Ian Beales,

1. Reply: We have revised the forms of Fig. 2

2. Reply: The experiment was repeated by Peng Tang and Zhenchao Yu in the department of Esophageal Oncology, Key Laboratory of Cancer Prevention and Therapy, Cancer Institute and Hospital of Tianjin Medical University, Tianjin 300060, R.P. China. They carried out the proliferation assay and the apoptosis assay in vitro using different experimental methodology, only to found Slug affects the in vitro growth of ESCC cell lines by affecting proliferation, this was opposite to our results before. We analyzed the opposite results, and found the instantaneously transfected efficiency was lower than the latter. The cells of apoptosis assay and the cells of MTT assay were not from the same groups. Higher instantaneously transfected efficiency was found in the cells of apoptosis assay groups. Otherwise, we has added many experiments in vitro and vivo, which concluded knockdown of Slug promotes apoptosis and inhibited proliferation.

3. Reply: We repeated the experiment, and found no statistical significance in figure 3d (Data not shown in the new revised paper)

4. Reply: Some typos in the abstract have corrected as the review’s points.

Should you have any questions, please feel free to contact us.

Thank you for your all you have done in the process of our manuscript.

Sincerely yours

Peng Tang, Zhenchao Yu, Kejun Zhang