Author's response to reviews

Title: MicroRNA-100 is a potential molecular marker of non-small cell lung cancer and functions as a tumor suppressor by targeting polo-like kinase 1

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Author's response to reviews: see over
Dear Editors:

Thank you for reviewing our manuscript and thank you very much for your comments and suggestion on this work (MicroRNA-100 is a potential molecular marker of non-small cell lung cancer and functions as a tumor suppressor by targeting polo-like kinase 1).

We have revised our manuscript according to editors’ and reviewers’ comments as follow:

1. In the revision, we have should refer to Table 1 provided as supplementary Table 1.
2. In the Results section “Effects of miR-100 expression on growth, apoptosis and cell cycle of NSCLC cells” of revised paper, we supplement the results for apoptotic cell death and cell cycle changes induced by miR100 inhibitors.
3. In the Results section “PLK1 is a functional target of miR-100 in NSCLC”, the authors state of revised paper, “To identify miR-100 targets, we performed in-silico screening using TargetScan with a recently described strategy”. The reference has been added. (The strategy is as follows: The targets were screened according to these criteria: the number of mismatches should be less than 4, and no gaps were allowed at the complementary sites. After removal of the repeated sequences, the potential target genes were BLASTed against protein databases to predict their function).
4. In the Results section “MiR-100 expression was inversely correlated with PLK1 mRNA expression in NSCLC tissues” of revised paper, the sentence “In addition, the expression of PLK1 mRNA with miR-100 expression in 20 NSCLC tissues.” has been deleted.
5. In the revision, the statistical method used to generate the P values should be named in the figure legends, and an ANNOVA test has been used to perform statistical analysis in some cases.
6. In the revision, we describe the isolation of normal tissue from NSCLC patients by the use of histological inspection and make the definition of normal tissue.
7. In the revision, several important references have been added according to the reviewers’ suggestion.
8. In the discussion section of the revision, the effect of miR-100 on RBSP-3 towards cellular proliferation in other human cancer cells has been discussed.
9. A thorough revision of language in this manuscript has performed in the revised paper. The revised manuscript has been thoroughly revised preferably by a native speaker.

Best your regards

Sincerely yours

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