Reviewer’s report

Title: MicroRNA-125a is overexpressed in insulin target tissues in a spontaneous rat model of Type 2 Diabetes

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Reviewer: FuDe Fang

Reviewer’s report:

In this manuscript, the authors provided the conclusion that miR-125a expression is increased in two insulin target tissues in hyperglycaemic rat model of type 2 diabetes and further gave insights into microRNA-mediated regulation of target gene expression using array experiments and prediction algorithms. The prediction combined 3 different algorithms may provide us a way to find the microRNA target genes.

Level of interest: An article whose findings are important to those with closely related research interests

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