Reviewer's report

Title: Ancestral DDT Exposures Promote Epigenetic Transgenerational Inheritance of Obesity

Version: 3 Date: 22 September 2013

Reviewer: George Zhang

Reviewer's report:

The statistical analysis and reporting issues have been addressed.

The current description of "simple logistic regression" modeling is acceptable and can be further clear. On the other hand, it might be less confused if the test was run by Chi-sq test or Fisher's exact test, since there is only one "predictor variable" in the current logistic regression. If I understand correctly, this predictor variable had 3 levels (control, DDT, LD DDT).

# Major Compulsory Revisions
"The predictor variables were control and DDT exposure."

- Are there TWO separate predictor variables in a single logistic model? Or one model ran to compare DDT vs. control, and another separate model for LD DDT vs. control?

- Has the online calculator been validated? http://vassarstats.net/logreg1.html.

It is generally suggested to run statistical data analysis by more general acceptable or well-known statistical software, such as SAS, R, Stata or SPSS, etc.

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests