Reviewer’s report

Title: Integrative network analysis reveals different pathophysiological mechanisms of insulin resistance among Caucasians and African Americans

Version: 1 Date: 31 October 2014

Reviewer: Bisakha Ray

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Discretionary Revisions

1. It is also not clear why a population of only non-diabetics was considered and a case-controlled study was not done. Moreover, the number of AAs is much smaller compared to the number of CAs.
2. The heuristic for identifying key regulators using NHNN needs a reference.
3. In Table 1, the proportion of males to females is different in CAs and AAs. The authors might want to consider this as gender and adipose tissue distribution are players in insulin resistance.

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

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