Reviewer's report

Title: A comprehensive analysis of adiponectin QTLs using SNP association, SNP cis-effects on peripheral blood gene expressions and gene expression correlation identified novel metabolic syndrome (MetS) genes with potential role in carcinogenesis and systemic inflammation

Version: 1 Date: 11 January 2013

Reviewer: brian J bennett

Reviewer's report:

This manuscript fine maps a previous QTL for adiponectin using SNP genotypes and reports associations for adiponectin levels and clinical traits associated with metabolic syndrome. The authors use expression analysis to refine candidate gene selection and to demonstrate potential biological links to cancer and inflammation. The authors have addressed my previous comments and considerably improved the manuscript.

Major Compulsory Revisions- submission of gene expression data to GEO and report the accession number in manuscript.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests