Reviewer’s report

Title: Variants in KCNQ1 increase type II diabetes susceptibility in South Asians
A study of 3,310 subjects from India and the US

Version: 1 Date: 22 November 2010

Reviewer: Sung-Hoon Kim

Reviewer’s report:

Major Compulsory Revisions
1. Why did authors not choose to show corrected p-value in association of KCNQ1 SNPs with T2D? Authors do mention about them in discussion but they are not listed in tables. Same could be said for p-values obtained in association analysis between KCNQ1 SNPs and quantitative traits related to obesity and T2D.

2. Authors have stated that the SNPs of KCNQ1 have little role on biology of T2D. However, in the similar studies with samples from East Asia, the p-values obtained were more significant, so authors should talk more about the genetic difference between the two?

3. Authors mentioned that “non-replication of association is only due to the low power of the US sample”. But this might not be the only reason because some of QTs associated with US cohort only, for instance, HOMA-B.

Minor Essential Revisions
SNP rs number should all be italicized, and authors should decide on one way to write them. For example, in discussion, they used two different ways to write rs number.

Discretionary Revisions
None

Minor issues not for publication
1. Last sentence of introduction may need a change. Change ‘further’ into ‘furthermore’.
2. In reference number 11, the year of publication should be included.

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.