Reviewer’s report

Title: Association of common variants in JAK2 gene with reduced risk of Metabolic Syndrome and related disorders

Version: 1 Date: 8 August 2011

Reviewer: Ghazala Raja

Reviewer’s report:

- Major Compulsory Revisions

The author must respond to these before a decision on publication can be reached.
For example, additional necessary experiments or controls, statistical mistakes, errors in interpretation.

No major compulsory revisions recommended

- Minor Essential Revisions

The author can be trusted to make these. For example, missing labels on figures, the wrong use of a term, spelling mistakes.

Following are a few typing mistakes (along with numbered lines picked from the submitted manuscript) suggested for correction before being published.
I.143 Dongliang et all.
Correction suggested: Dongliang et al

II.143 The LD analysis of the 142.8 kb under study
Correction suggested: The LD analysis of the 142.8 kb region under study

III.291 The results found in this work are related to the rol of inflammation in the development
Spelling: The results found in this work are related to the role of inflammation in the development

IV.306 be viewed as a preliminary source for future studies including prospective studies whit
Spelling: 306 be viewed as a preliminary source for future studies including prospective studies with

V. Table 2 Association between individuals JAK2 SNPs and MS and related phenotypes.
Correction suggested: Table 2 Association between individual JAK2 SNPs, Metabolic Syndrome and related phenotypes.

VI. All references need to be arranged according to the guidelines set by the journal. For example;


- Discretionary Revisions

These are recommendations for improvement which the author can choose to ignore. For example clarifications, data that would be useful but not essential.

No discretionary revisions recommended

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

**Quality of written English:** Needs some language corrections before being published

**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