Reviewer's report

Title: Association of an NF-kappaB1 intron SNP (rs4648068) with gastric cancer patients in Chinese Han population

Version: 2 Date: 21 December 2011

Reviewer: Joanne M Bowen

Reviewer's report:

I am grateful for the opportunity to review this manuscript. The authors describe a case control study investigating the relationship between an NFKB1 polymorphism and risk of gastric cancer. In addition, the association between this polymorphism and clinicopathologic variables was assessed.

Major Compulsory Revisions

Results: Patient characteristics of the cancer vs control patients are not shown. Please include a table of age and sex demographics, and an evaluation of balance between groups.

Minor Essential Revisions

Throughout the manuscript (including the title) the authors refer to their gene of interest using the protein name, NF-κB 1. All references to the gene should be as NFKB1 (italicised).

The manuscript contains editing errors related to; spacing, gene names not shown in italics and inconsistent presentation of protein names.

Background section, paragraph 3. Please remove the results of the pilot genotyping study from this section, since this is repetitive of what is covered in the results section.

Methods section, paragraph 2. MJ Research have “Opticon” thermal cyclers, not “Option”. Please check correct name of instrumentation.

Methods section, paragraph 3. The statistical analysis description lacks sufficient detail to determine which measures were applied to each analysis.

Results section, paragraph 2. Change extron to exon

Results section, paragraph 4. Change from (Table 4) to (Table 3)

Discretionary Revisions

Include 3 – 10 keywords

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

Quality of written English: Not suitable for publication unless extensively edited
**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