Reviewer's report

Title: Vitamin D Binding Protein Variants Associate Asthma Susceptibility in a Chinese Han Population

Version: 1 Date: 2 April 2011

Reviewer: Qiji Liu

Reviewer's report:

Major
1) The SNPs selected is limited, and authors should give more detailed information how the SNPs in GC gene have been selected. they are tagSNP for haplotype of Chinese population, or other? How is the linkage disequilibrium status between rs4588 and rs7401.
2) Did the genotyping confirm by other method, and what is percentage?
3) Statistics
Bonferroni: Authors indicated (Methods - Statistical analysis) Bonferroni correction were used to adjust for multiple tests. In table 3, p value is original P or adjusted P, authors should specify it.

Power calculation: Authors didn’t find association between asthma and the variations in VDR and CYP2R1 gene, however, as we all know, the p value is dependent on the sample size, What is the statistical power of the sample size?

Minor:
1) Table 2,3,4 are badly arranged ,please revise them.
2) In table 4, authors compare the genotype distribution between #50 nmol/L and <50nmol/L of serum 25OHD, what is the classification standard?

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