Reviewer’s report

Title: GSTT2 promoter polymorphisms and colorectal cancer risk

Version: 1 Date: 7 December 2006

Reviewer: Wilbert Peters

Reviewer’s report:

General
An interesting paper; well performed using sound methodologies, and a sufficient number of patients and controls are included in the study.

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

Major criticisms:
- Please more clearly explain in the Introduction section, why GSTT2 is subject of study; for instance: is GSTT2 expressed in the human colon?, to what extent? and what are possible relevant substrates of GSTT2 that may be involved in colon carcinogenesis?
- Discuss in more detail the possible consequences for colon carcinogenesis of the -537 and -158 GSTT2 promoter polymorphisms.
- Statistics: since many statistical tests are performed; should a correction for multiple testing be performed?
- The percentages as given in Tables 1 and 3 are completely unclear to me; please change or explain in the legend.

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)
- Percentages as given in Table 2 under -537/AA/T-stage should be corrected.

Discretionary Revisions (which the author can choose to ignore)

What next?: Accept after minor essential revisions

Level of interest: An article of importance in its field

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

Statistical review: No

Declaration of competing interests:
I declare that I have no competing interests