Reviewer's report

Title: Promoter methylation and large intragenic rearrangements of DPYD are not predictive of severe toxicity to 5-fluorouracil-based chemotherapy in gastrointestinal cancer

Version: 2 Date: 23 July 2010

Reviewer: Linda JW Bosch

Reviewer's report:

The authors have adequately addressed my comments and I am satisfied with the revised manuscript.

Just a few remaining minor revisions:

- Abstract: The results on the immunohistochemistry are still included, please remove.
- Abstract: “… and screened DPYD for large intragenic rearrangements in both peripheral blood…”. Delete “both”.
- Discussion: “Not only our study is the largest single series of patients among these, but it was also the first to use a quantitative methylation-specific PCR approach”. Stressing the fact that the authors were the first to use quantitative MSP is not adding any value to the obtained results, since no methylation was detected. Please delete this part of the sentence.
- Table 1: change “colo-rectal” to “colorectal”
- Figure 2: change “thereshold” to “treshold”

Level of interest: An article of limited interest

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