Reviewer's report

Title: Exploring multilocus associations of inflammation genes and colorectal cancer risk using hapConstructor

Version: 2 Date: 10 August 2010

Reviewer: Bob O'Hara

Reviewer's report:

I reviewed the manuscript previously. The preset version is much better, and they have adequately answered most of my comments. As such there is little more to say.

The one sticking point we still have is over adjusting the significance level. The justification for changing the level appears to be "because we can". But something tringer than this is needed. The authors could also have made the levels less stringent as they increased the model complexity. They really haev to provide a justification for what they are doing - they may get very different results if they keep the inclusion criteria constant.

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

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

'I declare that I have no competing interests