Author’s response to reviews

Title: A simple method for co-segregation analysis to evaluate the pathogenicity of unclassified variants; BRCA1 and BRCA2 as an example

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Version: 6 Date: 16 June 2009

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Dear editor,

We have made some additional (small) changes to the main manuscript.

- inserted additional spacing in three of the authors names (i.e. Margreet G. Ausems, Johan J. Gille and Theo A. van Os)

- Changed the second sentence of the introduction; difficult to interpret because an unclassified variant is found (UV, or ‘variant of uncertain clinical significance’ (VUCS) or ‘variant of uncertain significance’ (VUS) [1] in order to use the term unclassified variant consistently throughout the manuscript

- Page 7 BRCA1 and BRCA2 in italic

- Page 17 Methods section (instead of methods section)
Page 18 Methods section (instead of Method section)

Page 21 There was still an inconsistency between the LR of M18T in text and Table 1. This has been changed into the correct LR. For the p.M18T and p.R1699Q variants in BRCA1, LRs of 7.98 and 1.43 …

We have deleted the returns between reference 8 and 9 and between 9 and 10 (page 26/27)

Breast Cancer Research is changed into italic font (reference 9)

Table 1. The number LR 3.0651 was incorrectly put at variant R2784Q. We have adjusted the table in such a way that the LR of 3.0651 and 3.9790 belong to variant R3052W.