Reviewer's report

Title: Comprehensive analysis of RET common and rare variants in a series of Spanish Hirschsprung patients confirms a synergistic effect of both kinds of events

Version: 2 Date: 2 August 2011

Reviewer: Elias Zintzaras

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In comparing the sporadic cases with the controls, for the variants rs2435357, rs2505532 and rs2565206, calculate the OR (95% CI) for the recessive, dominant and additive models (unadjusted and adjusted for gender) (see Zintzaras and Lau 2008 J Clin Epidemiol). Also, calculate the generalized OR (GOR) (95% CI) (Zintzaras Stat 2010 Appl Genet Mol Biol). Test the controls for HWE. Test the variants for LD. I could not trace the estimate haplotypes and the respective P-values.

Level of interest: An article of importance in its field

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'