Reviewer's report

Title: Interaction of functional NPC1 gene Polymorphism with smoking on coronary heart disease

Version: 2 Date: 1 April 2010

Reviewer: Robert P. Erickson

Reviewer's report:

This is an excellently done study and no major revisions are needed. This ms needs to be edited by a native English speaker--there are a number of grammatical infelicities. Gene symbols are in italics, when the symbol is used for the protein, than non-italics--this is currently a hodge-podge in the ms. There are changes and additions which should be made to the bibliography. 1) Ref 5 is not a review but a research article. One of the numerous recent reviews, such as ref 13, should be cited at this point. 2) rs1805081 has been found to be associated with obesity (Meyre, et al, 2009, Nature Genetics, 41:157) and Alzheimers (Erickson, et al, 2008, Neurosci. Letters, 447:153) while studies in mice suggest that the G allele which is protective here, is likely to be associated with decreased activity and increased obesity (Jelllinek, et al, 2009, Obesity, doi:10.1038/oby.2009.415).

Level of interest: An article of outstanding merit and interest in its field

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

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

Declaration of competing interests:

I declare that I have no competing interests.