Reviewer's report

Title: Association of nineteen COX-2 gene variants to preclinical markers of atherosclerosis The Cardiovascular Risk in Young Finns Study

Version: 2 Date: 3 April 2012

Reviewer: Marcello Arca

Reviewer's report:

Authors included some requested changes and included some explanation. However, the main concern - the fact the COX-2 may be the not right target in evaluating CIMT- has not been discussed. I would suggest to include a statement on this. Moreover They did not prove that haplotype analysis left the results unchanged. Finally some comment about the functionality of the studied SNPs should be included

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

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I do not have any competing interests