Reviewer’s report

Title: Fibrinogen beta variants confer protection against coronary artery disease in a Greek case-control study

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Reviewer: Frédéric Fumeron

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In this case control study, 13 tag SNPs in the fibrinogen gene cluster were investigated with respect to coronary artery disease or acute coronary syndrome in a Greek population. Two FGB SNPs were associated with a lower risk when analyzed in recessive models.

The study has been well conducted and analyzed. The paper is correctly written.

Minor essential revisions
1) What is the definition of “family history of MI”?
2) An association with family history of MI should have been tested for.
3) In table 3, the genotype frequencies should have been shown. This table should be included in regular data (not supplementary).
4) There is an AOP concerning a protective effect of the G-455A (rs1800790) effect against MI in Greece. This is in accordance with the results and the meta analysis quoted in the discussion (29). This should be mentioned in the discussion.

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 declare that I have no competing interests