Reviewer's report

Title: Heritability of Cardiovascular Risk Factors in a Brazilian Population: Baependi Heart Study

Version: 4 Date: 14 February 2008

Reviewer: Jean W. MacCluer

Reviewer's report:

Major Compulsory Revisions:

The authors have made all of the major compulsory revisions that I suggested in my previous review.

Minor Essential Revisions:

There are a few remaining stylistic/grammatical errors:

1. Page 2 line 7: ... rural city in Brazil.
2. Page 4 line 2 up: A questionnaire was administered ...
3. Page 5 line 10: Smoking status was defined as "current smoker" when smoking had occurred ...
4. Page 6 line 6: ... after accounting for covariates.
5. Page 7 line 9 up: ... associated with the polygenic effect
6. Page 9 line 2: ... composed of fewer than ...
7. Page 9 line 3: ... to use the remaining 1,666 individuals in 81 families ...
8. Page 10 line 1: ... skewness and kurtosis

Discretionary Revisions:

1. Page 12 line 7 up: I don’t understand what is meant by "... is associated with the relationship between pairs of related individuals".
2. Page 12 line 6 up: I don’t understand what is meant by "... the communication between covariates and variance components spaces".

What next?: Accept after minor essential revisions

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

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