Reviewer's report

Title: Leptin and Leptin Receptor Polymorphisms Associated with Increased Risk and Poor Prognosis of Breast Carcinoma

Version: 1 Date: 4 December 2005

Reviewer: Drakoulis Yannoukakos

Reviewer's report:

General
This is an interesting paper on the association of leptin and leptin receptor polymorphisms and breast carcinoma. It is a new and interesting question that has not been answered yet with large studies. There is only a negative very recent report on LEPR polymorphisms and breast cancer in Korea. Although larger studies are needed the results are a worthwhile contribution to the field.

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

Authors should explain (in the introduction) why they use only the two specific polymorphisms and not some others.
Authors should comment (in the discussion) on the following paper:

Table 2 should be included in the body of the paper and not in the supplementary material

Use Q223R instead of 223QR

There are some grammatical errors and typographical errors which must be fixed prior to publication. For example:
page 14, 4th line ...higher risk of breast cancer than (instead of that)
page 15, 5th line ...is associated with larger (instead of lager)
page 15, 6th line from the bottom... that leptin stimulates (instead of stimulate)
Page 19, ref. 8. Antoniou (instead of Antonio)
page 24, ref 24 J Biol Chem (instead of J Biol Chemo)

The author should check carefully for other existing typos!

Discretionary Revisions (which the author can choose to ignore)
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: Acceptable

Statistical review: Yes

Declaration of competing interests:
I declare that I have no competing interests