Reviewer's report

Title: Bone Growth during Rapamycin Therapy in Young Rats

Version: 4 Date: 28 October 2008

Reviewer: Fernando Santos

Reviewer's report:

The authors have improved the manuscript according to the reviewers's comments. However, some objections remain:
- The statement added to the conclusions in the abstract is not true and should be modified because growth retardation persisted in a similar degree after 4 weeks of rapamycin administration.
- Femur lengths are reported on Table 1 and in the text of the Results section but the authors do not state in this version of the manuscript that the femurs were extracted from the rats.
- The amount of food ingested by the animals is still missing. This information should be added.
- The authors should comment in the discussion on the limited value of immunohistochemistry and in situ hybridization to accurately estimate quantitative changes in protein and mRNA expression, respectively.

Level of interest: An article of importance in its field

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