Reviewer's report

Title: Epigenetic regulation of matrix metalloproteinases expression in ameloblastoma

Version: 1 Date: 21 May 2012

Reviewer: Ronell Bologna-Molina

Reviewer's report:

This work contributes to the understanding of molecular pathogenesis of ameloblastomas, this a good, clear and understandable paper.

The discussion and conclusion are well supported by the results, the methods are appropriate and well described.

Major Compulsory Revisions:

Authors should specify which type of ameloblastoma belong (desmoplastic ameloblastoma, unicystic ameloblastoma, solid-multicystic ameloblastoma or peripheral ameloblastoma). Specify the variant of ameloblastoma of this study.

Exist some differences in the epigenetic regulation of matrix metalloproteinase expression in the different variants of ameloblastoma?

Minor Essential Revisions

The reviewer consider important describe in the table 1, the variants of ameloblastomas studied, and a more precise location (eg., Anterior region, mandible body, and posterior region).

Discretionary Revisions

Matrix metalloproteinases are involved in the degradation of collagen. If within the sample there was a desmoplastic ameloblastoma would be interesting that the authors discuss what is role played by MMPs in the demoplasia.

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