

## Format for ANSWERING REVIEWERS



April 9, 2014

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: Genome variation in the trophoblast lifespan-F.doc).

**Title:** Genome variation in the trophoblast cell lifespan: diploidy, polyteny, depolytenization, genome segregation.

**Author:** Tatiana Zybina, Eugenia Zybina

**Name of Journal:** *World Journal of Medical Genetics*

**ESPS Manuscript NO:** 9023

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewer

(1) We tried to describe the main purpose of the review which defined a material for generalization in the summary. We estimated significance of genome multiplication and related genotypic changes of the trophoblast cell subtypes in different mammalian in connection with their functional specificity. As a result, Abstract was notably modified, in particular some phrases were inserted:

“The main ways of genome multiplication - endoreduplication and reduced mitosis - that basically differ by the extent of repression of mitotic events, play, most probably, different roles in the functionally different trophoblast cells in a variety of mammalian species. In the rodent placenta, highly polyploid (512-2048c) TGC undergoing endoreduplication serve a barrier with semiallogenic maternal tissues whereas series of reduced mitoses allow to accumulate a great number of low-ploid JZ and labyrinth trophoblast cells.” Some phrases were deleted and shortened and the final phrase was modified.

(2) We corrected grammatical errors indicated in the review in accordance with reviewer's indication.

(3) The text was revised from the point of view of grammar, syntax, spelling and style with participation of the our interpreter.

Thank you very much for your helpful criticism and editing

Sincerely yours,

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Zyline