CORRECTION

Correction: Histone H2AFX Links Meiotic Chromosome Asynapsis to Prophase I Oocyte Loss in Mammals

The PLOS Genetics Staff

[Fig 1](#) is incorrect, as it is missing Part M. A corrected version is here. The publisher apologizes for the error.

Fig 1. Oocytes with asynapsed chromosomes are eliminated during diplonema. (A) XO pachytene oocyte with asynapsed X chromosome (arrow). SYCP3 (green) marks chromosome axes, γ H2AFX (red) marks chromatin associated with asynapsed axes, and HORMAD1 (magenta, insets) marks asynapsed axes. (B) XO pachytene oocyte with self-synapsed X chromosome. The self-synapsed X chromosome (arrow) was identified by X chromosome painting (magenta, inset). (C) The mean percentage ($\pm$ s.e.m.) of XO oocytes with a γ H2AFX-positive or γ H2AFX-negative X chromosome at pachynema, early diplonema and late diplonema. (D) In(X)1H pachytene oocyte with asynapsis (arrow). (E) In(X)1H pachytene oocyte with fully synapsed chromosomes. (F) Mean percentage of In(X)1H oocytes with γ H2AFX-positive or γ H2AFX-negative X chromosomes at pachynema, early diplonema and late diplonema. (G) T43H pachytene oocyte with asynapsed autosomes (arrow). (H) T43H pachytene oocyte with fully synapsed chromosomes, showing a trivalent involving the translocated chromosomes (arrow). (I) Mean percentage of T43H oocytes with γ H2AFX-positive or γ H2AFX-negative autosomes at pachynema, early diplonema and late diplonema. (J) XX pachytene oocyte with asynapsis (arrow). (K) XX pachytene oocyte with fully synapsed chromosomes. (L) Mean percentage of XX oocytes with γ H2AFX-positive or γ H2AFX-negative chromosomes at pachynema, early diplonema and late diplonema. P values were calculated from Tukey multiple comparison tests. Significant P values ($P < 0.05$) are denoted by red font. Scale bar represents 10 μ m. (M) Schematic illustrating the possible outcomes for oocytes with chromosome abnormalities.

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Reference

1. Cloutier JM, Mahadevaiah SK, Ellnati E, Nussenzweig A, Tóth A, Turner JMA (2015) Histone H2AFX Links Meiotic Chromosome Asynapsis to Prophase I Oocyte Loss in Mammals. PLoS Genet 11(10): e1005462. doi:[10.1371/journal.pgen.1005462](https://doi.org/10.1371/journal.pgen.1005462) PMID: [26509888](https://pubmed.ncbi.nlm.nih.gov/26509888/)