

Correction: β 2-spectrin depletion impairs DNA damage repair

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This article has been corrected: It was identified that a portion of Figure 6B was improperly placed, resulting in an overlap between two images (*Sptbn1*^{-/-} and *Sptbn1*^{+/+}) for new DNA replication forks in MEF cells without Hydroxyurea treatment. The authors provided a revised Figure 6B, replacing the image for *Sptbn1*^{-/-} cells without Hydroxyurea treatment with the correct data from the original experiments. This correction does not alter the article's conclusions.

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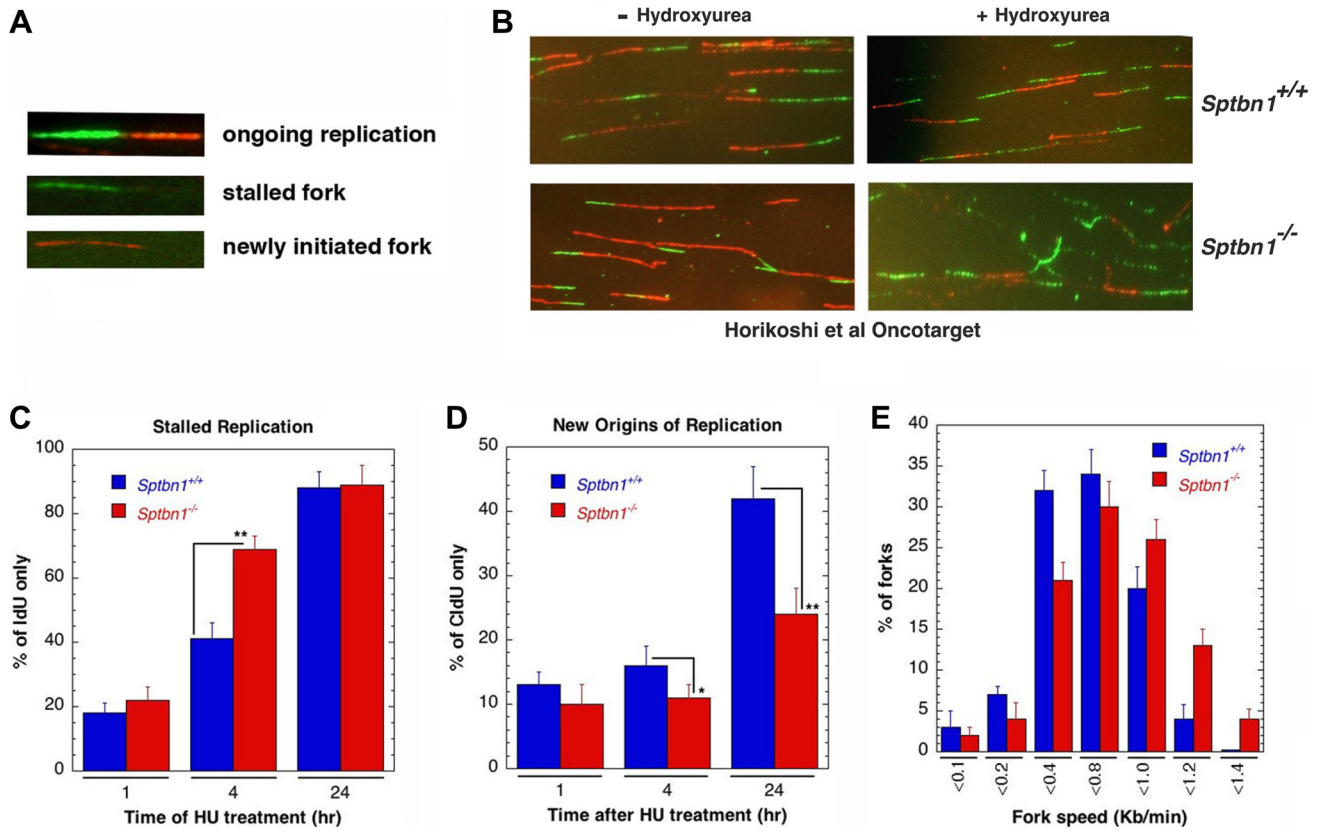


Figure 6: *Sptbn1*^{-/-} MEFs exhibit defective stalled DNA replication fork resolution and new origins of replication. (A, B) Initiation of new DNA replication forks and reinitiation of stalled DNA replication forks in *Sptbn1*^{-/-} and *Sptbn1*^{+/+} MEFs. Cells were pre-labeled with 5-iododeoxyuridine (IdU), treated with hydroxyurea (HU) for the indicated intervals, and then rinsed to remove HU followed by post labeling with 5-chlorodeoxyuridine (CldU) (upper panel) as described previously [66]. The cells were fixed and immunostained with IdU (green) and CldU (red) antibodies. (A) Three major types of labeled DNA tracts for analysis are shown. (B) *Sptbn1*^{+/+} and *Sptbn1*^{-/-} MEFs with and without treatment of hydroxyurea. (C) Percentages of stalled DNA replication forks (IdU only signals) in *Sptbn1*^{-/-} and *Sptbn1*^{+/+} cells after HU treatment. (D) New origins (CldU signals) in *Sptbn1*^{-/-} and *Sptbn1*^{+/+} cells. (E) Percentage of forks with fork speed in *Sptbn1*^{-/-} and *Sptbn1*^{+/+} MEFs. Means \pm standard deviations of 3 independent experiments are shown in. * $p < 0.05$; ** $p < 0.01$, Student *t*-test.