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**Article:**

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CORRECTION

# Correction: Telomerase Is Required for Zebrafish Lifespan

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In panel A of [Fig 1](#), a duplication of the *tert*<sup>-/-</sup> Skin lane appears where the *tert*<sup>-/-</sup> Fin lane should be. Please view the correct [Fig 1](#) here with the correct *tert*<sup>-/-</sup> Fin lane shown. Further clarification and copies of the original gels can be found in [S1 File](#).

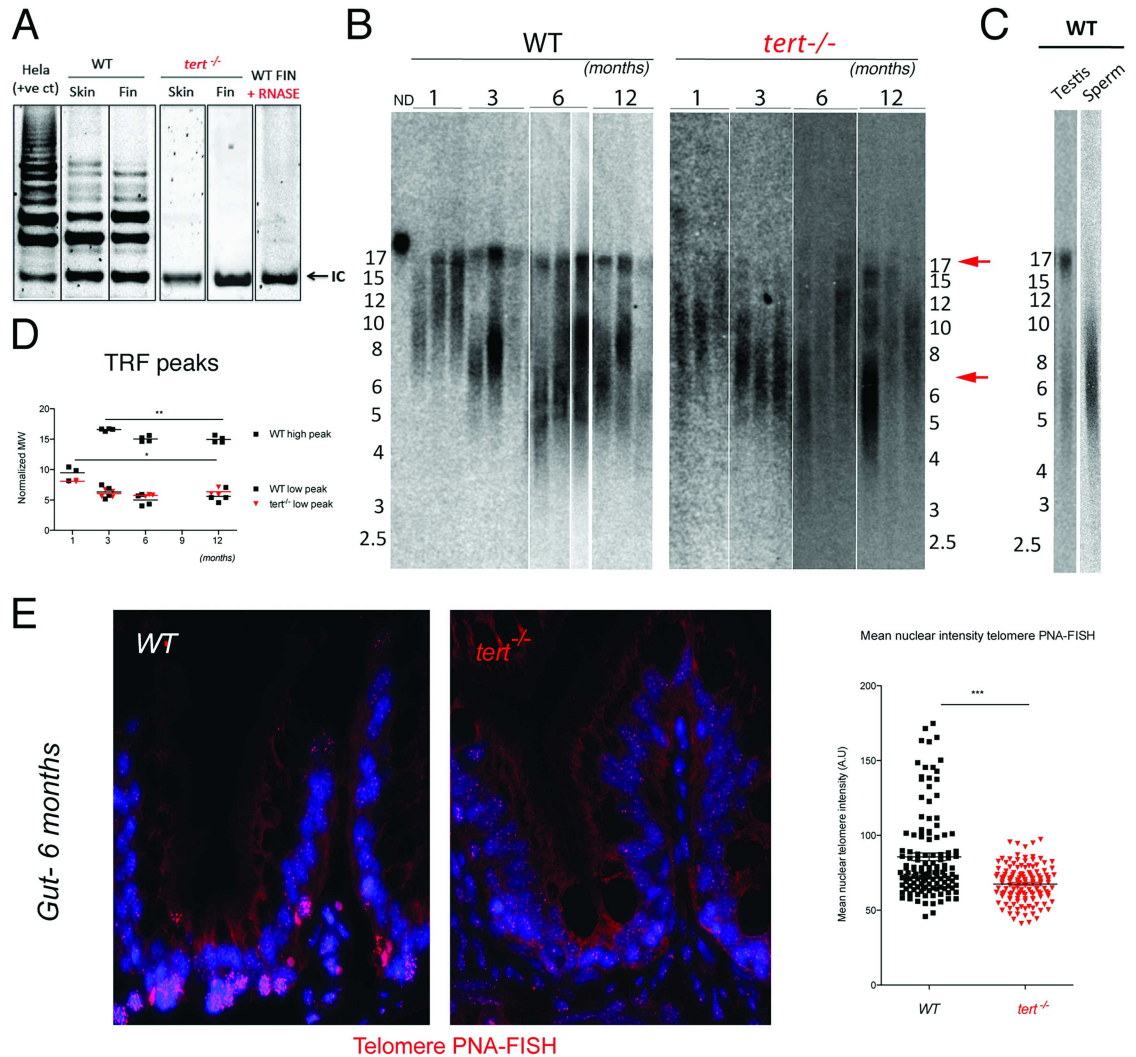


## OPEN ACCESS

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**Fig 1. Telomerase mutant zebrafish have shorter telomeres than WT siblings.** A) Representative image of TRAP assay showing that telomerase is not active in the *tert*<sup>-/-</sup> zebrafish, as compared to *tert*<sup>+/+</sup> siblings. Here shown are caudal fin and skin protein extracts. HeLa cell extract is shown as positive control. N = 4. B) Representative image of restriction fragment analysis of caudal fin genomic DNA of 3 different individuals at different ages, by southern blot (random primer-labelled telomeric probe (CCCTAA)<sub>12</sub>-<sup>32</sup>P-dCTP). *tert*<sup>+/+</sup> Zebrafish have heterogeneous telomeres, with two distinct peaks of different lengths. In *tert*<sup>+/+</sup> the highest peak (~16 Kb, top red arrow) becomes more distinct after 1 months of age and decreases in length over-time (B and D). The lowest peak of telomere intensity also decreases in length (bottom red arrow, B and D). *tert*<sup>-/-</sup> zebrafish have shorter telomeres than *tert*<sup>+/+</sup> siblings in different tissues (see also Figure S1A and S1B), observed by the decrease in length of the higher TRF peak. The shortest TRF peaks accompany those of *tert*<sup>+/+</sup> siblings, and decrease over-time at similar rates. C) Testes fractionation in *tert*<sup>+/+</sup> reveals the two-telomere length populations in whole testes, whereas mature sperm only shows the shorter TRF smear of about 6 Kb, suggesting different telomere lengths in different cells within a tissue. D) TRF mean sizes were calculated as described in [50]. E) Telomere PNA-FISH in 6-month-old gut tissue shows cells with different telomere intensities in the wild type, mainly localizing to the proliferative niche. In contrast *tert*<sup>-/-</sup> mutants display cells with less bright and more homogeneous telomere intensity.

doi:10.1371/journal.pgen.1006652.g001

## Supporting information

**S1 File. Correction and copies of the original gel scans from where lanes were selected.** (DOCX)

## Reference

1. Henriques CM, Carneiro MC, Tenente IM, Jacinto A, Ferreira MG (2013) Telomerase Is Required for Zebrafish Lifespan. *PLoS Genet* 9(1): e1003214. doi:[10.1371/journal.pgen.1003214](https://doi.org/10.1371/journal.pgen.1003214) PMID: [23349637](https://pubmed.ncbi.nlm.nih.gov/23349637/)