**Supplementary File 1A**

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Best parameters from fitting the calculated distribution S19 to telomere

length distributions of granulocytes from 10 adult persons (see Figure 6-figure supplement 1). Here denotes the probability that a stem cell proliferation results in two additional stem cells, is the initial telomere length in kbp and corresponds to the loss of telomere repeats in bp/year.

**Supplementary File 1B**

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Best parameters from fitting the calculated distribution S19 to telomere length distributions of lymphocytes from 28 adult persons (see Figure 6-figure supplement 2).

**Supplementary File 1C**

Best parameters from fitting the calculated distribution S19 to telomere

length distributions of bone marrow samples from 28 adult persons (see Figure 6-figure supplement 3).