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# NEW LUMINESCENCE-BASED GEOCHRONOLOGY FRAMING THE LAST TWO GLACIAL CYCLES AT THE SOUTHERN LIMIT OF EUROPEAN PLEISTOCENE LOESS IN STALAĆ (SERBIA)

## Supplementary Material

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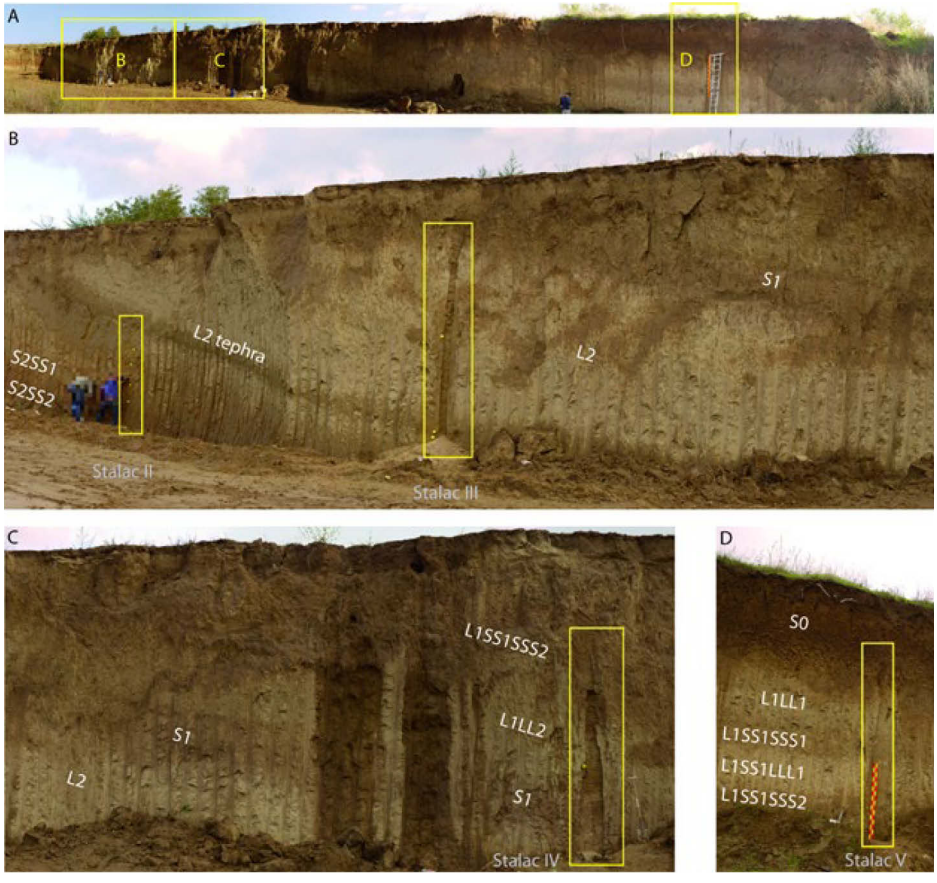


Fig. S1. *Photos from the field site showing sampled sections and stratigraphical units (after Marković et al., 2015). An overview is given in A. The boxes in B, C, and D show the sampled areas.*

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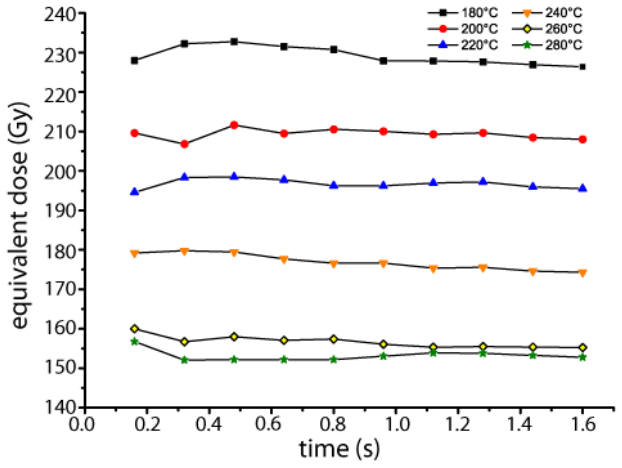


**Fig. S2.** *The $D_e(t)$-plot presents the equivalent dose as a function of the signal integration interval shown on the time-axis. Here, late background subtraction was used. Each line corresponds to another preheat temperature of sample C-L3787.*

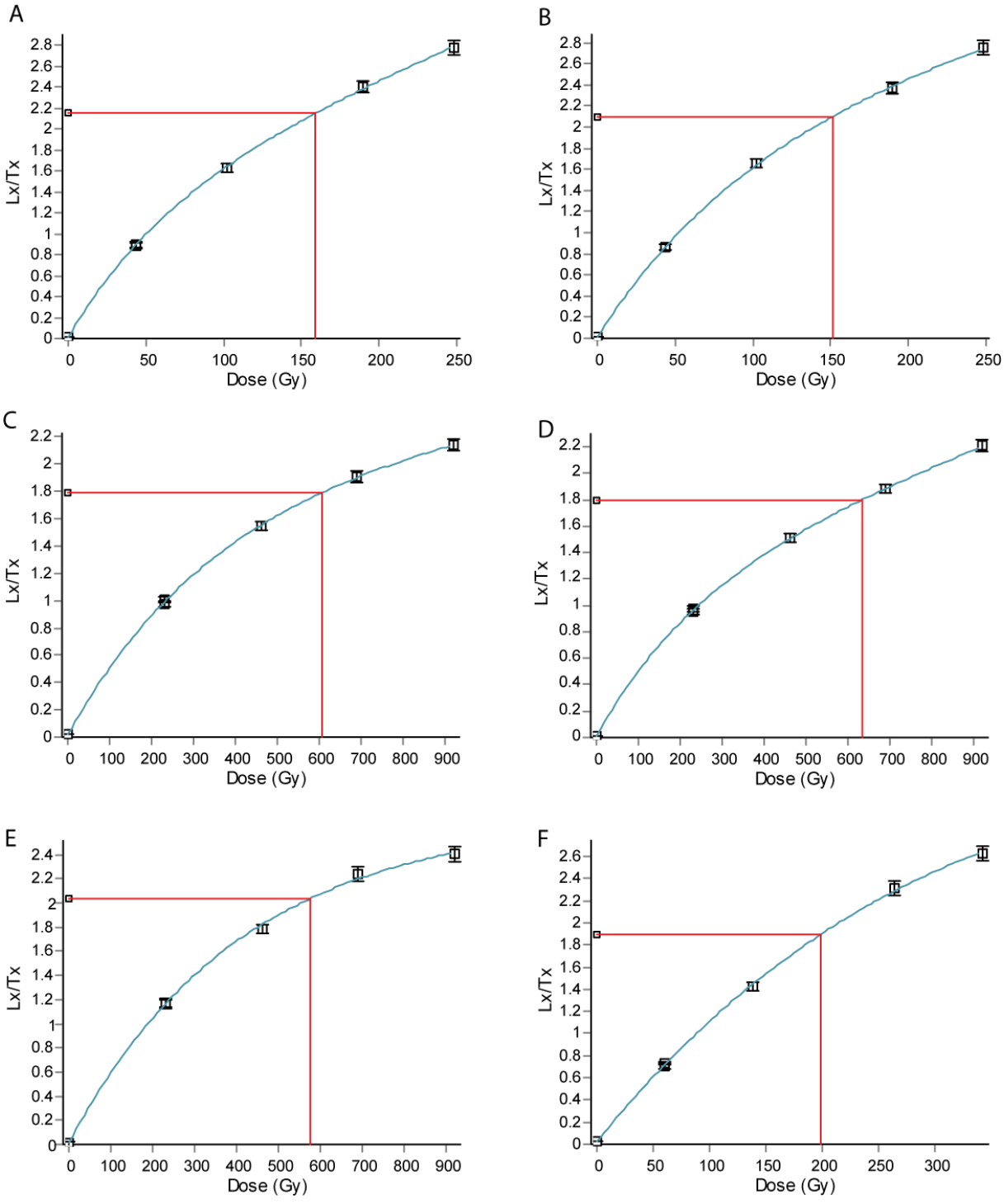


**Fig. S3.** *Fitted dose response curves of C-L3787 with a preheat temperature of 260°C (A) and 280°C (B) of the quartz fraction; and DRCs of C-L3778 (C), C-L3780 (D), C-L3784 (E), and C-L3787 (F) of the polymineral fraction.*

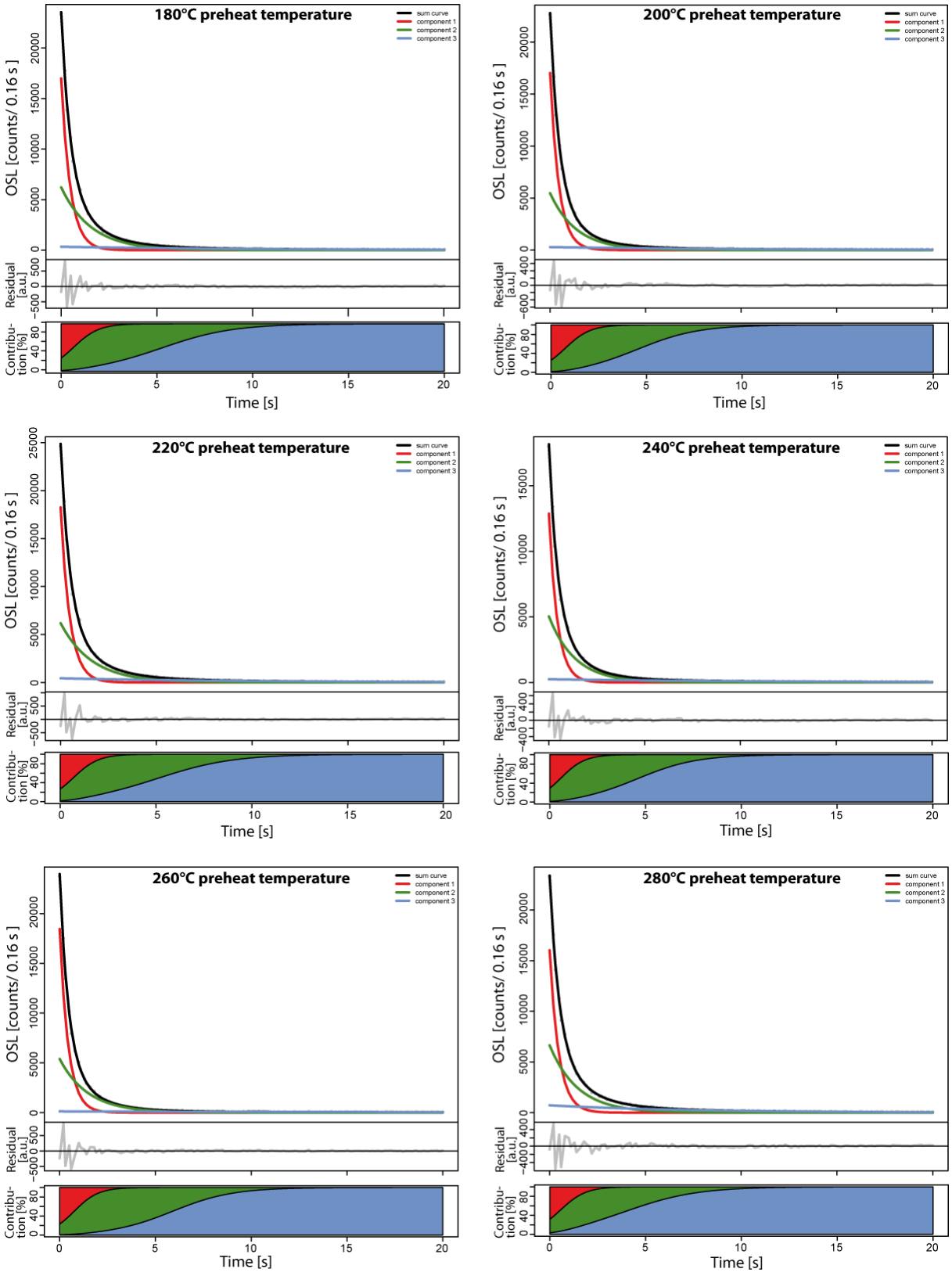


**Fig. S4.** *Fitted decay curves with their residual and signal components of the quartz fraction of C-L3780. One curve per preheat temperature is shown. Curves were made using the fit_CWCurve-function in the R luminescence package (Kreutzer et al., 2012b). Colors indicate the sum curve (black), component 1 (red), component 2 (green), and component 3 (blue).*

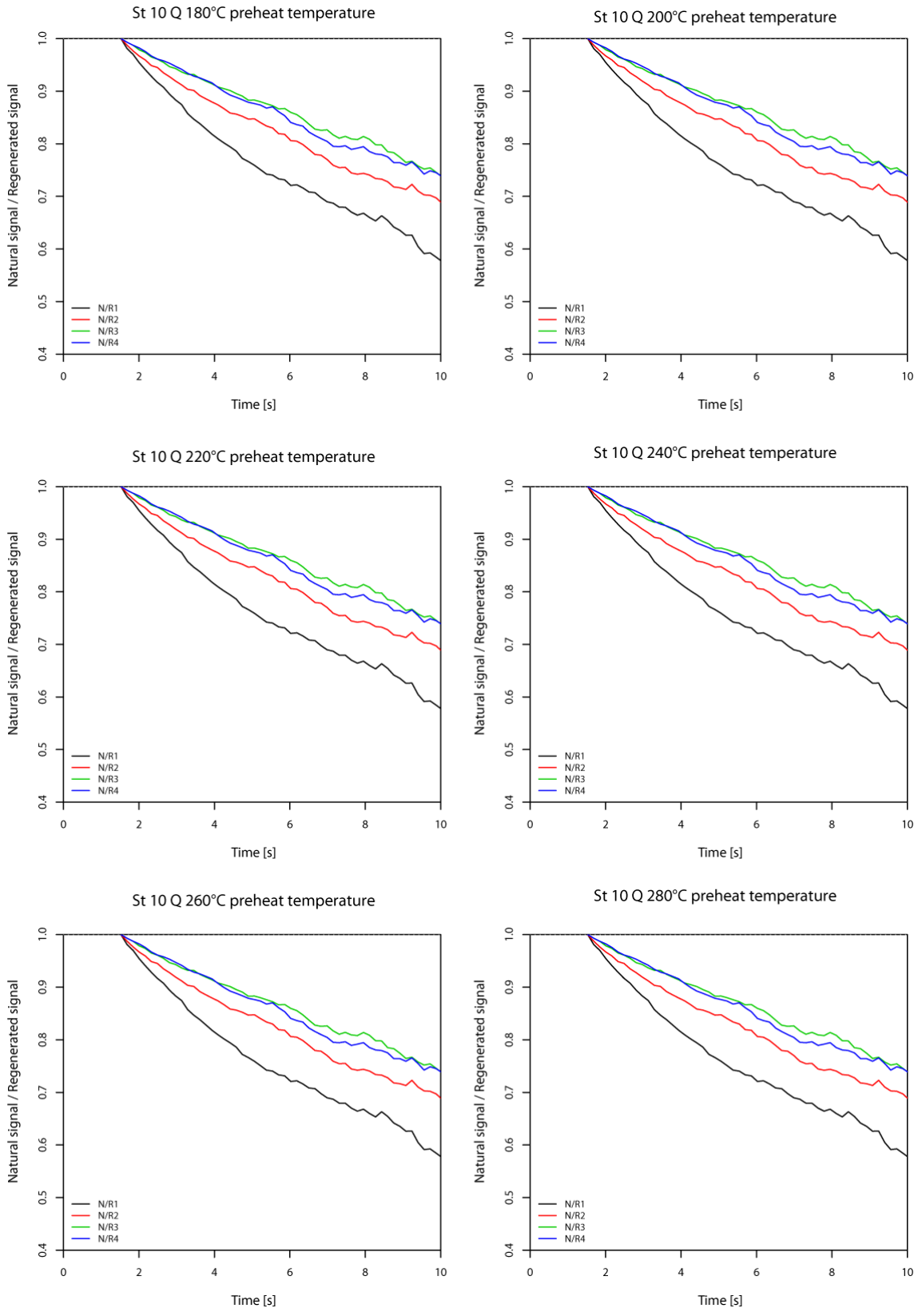


**Fig. S5.** *Ratio of the natural signal to several regenerated signals of one aliquot per preheat temperature of the C-L3787 quartz sample (cf. Steffen et al., 2009). Each plot shows four lines that correspond to four regenerated dose points. Plots were generated using the plot_NRt-function of the R Luminescence package (Burow et al., 2016; Kreutzer et al., 2012b).*

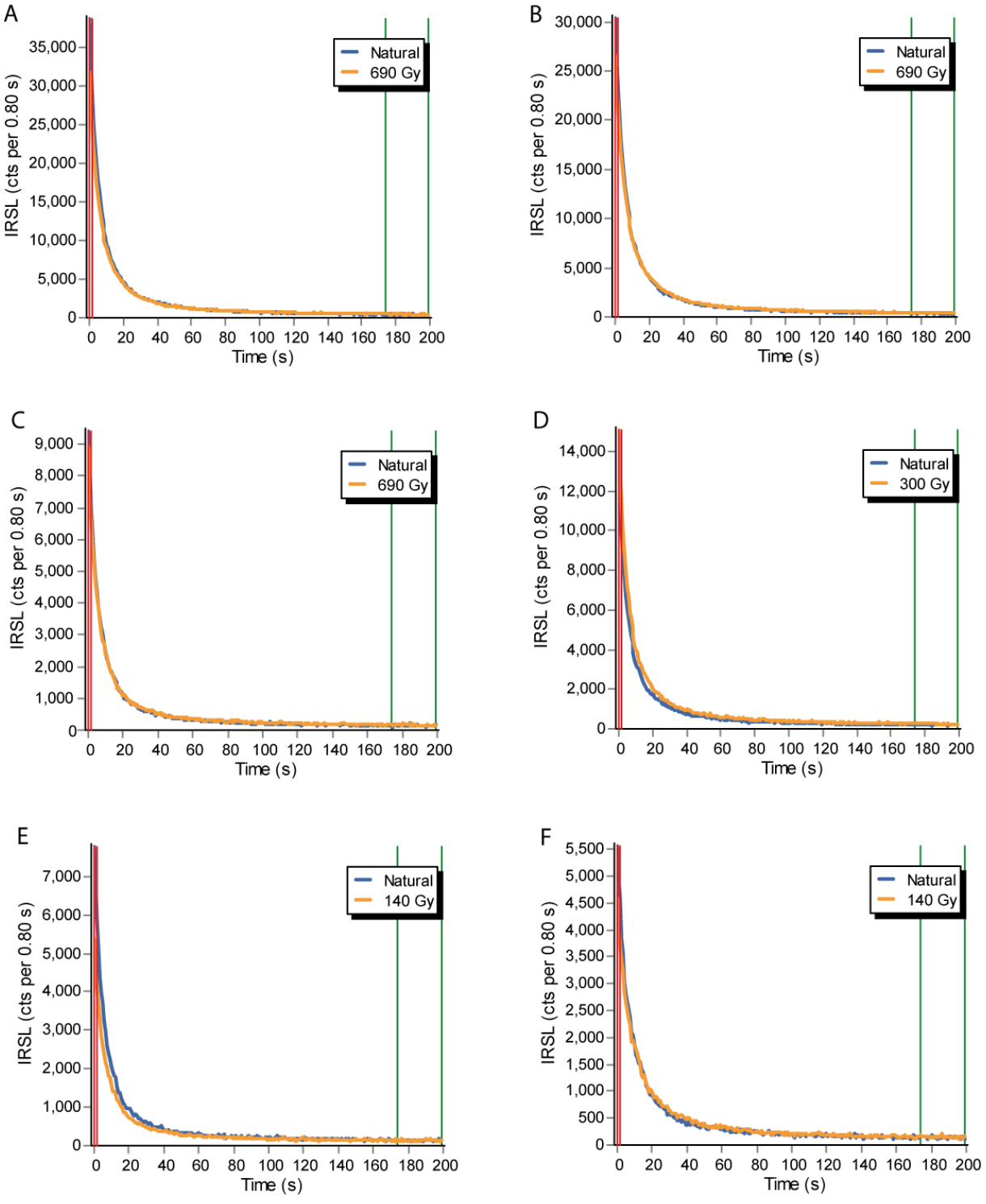


**Fig. S6.** *Decay curves of the pIRIR measurements. One curve per sample is shown: C-L3778 (A), C-L3780 (B), C-L3784 (C), C-L3786 (D), C-L3787 (E), and C-L3788 (F).*

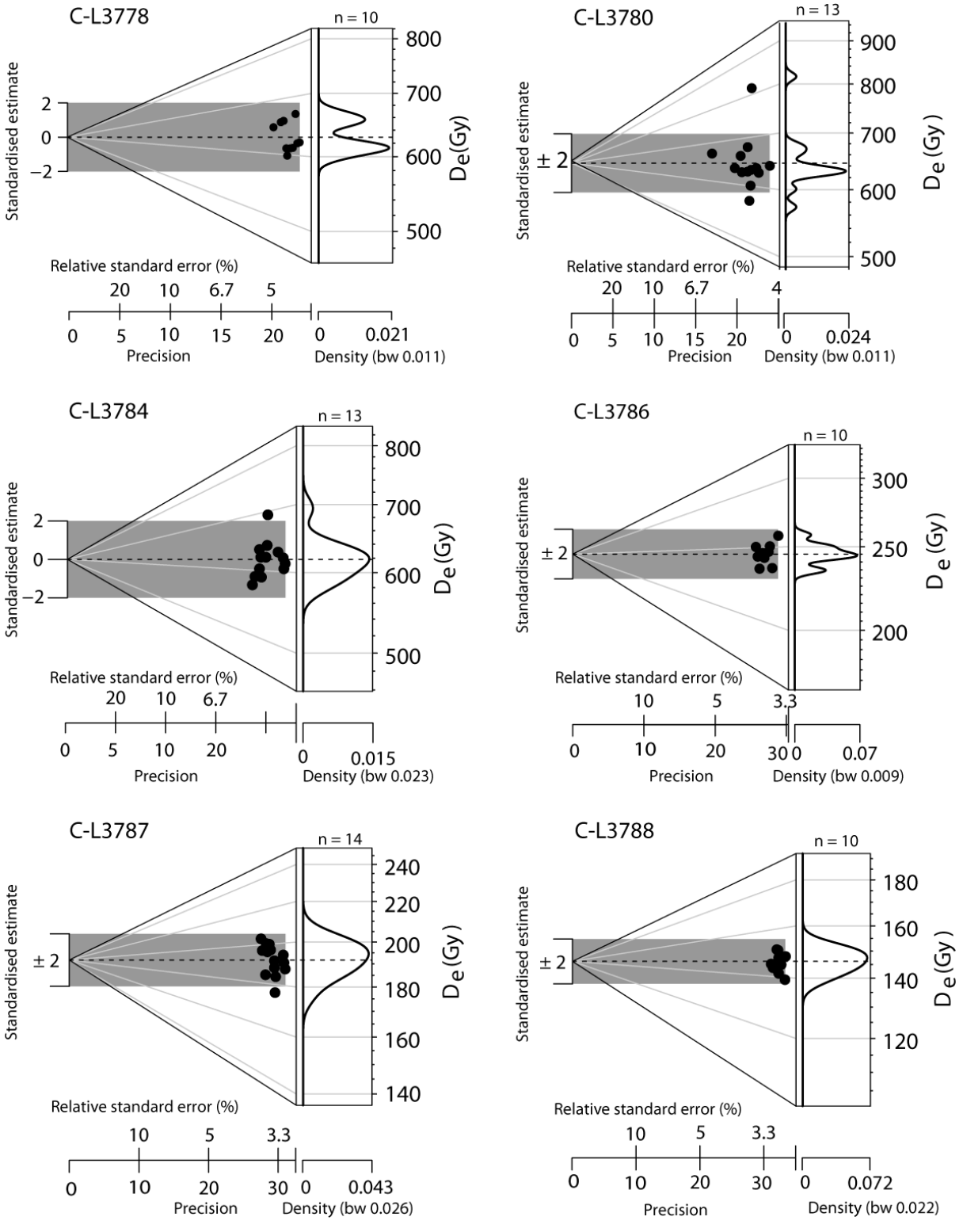


**Fig. S7.** *Abanico plots showing the $D_e$ distributions of the pIRIR $D_e$ measurements.*

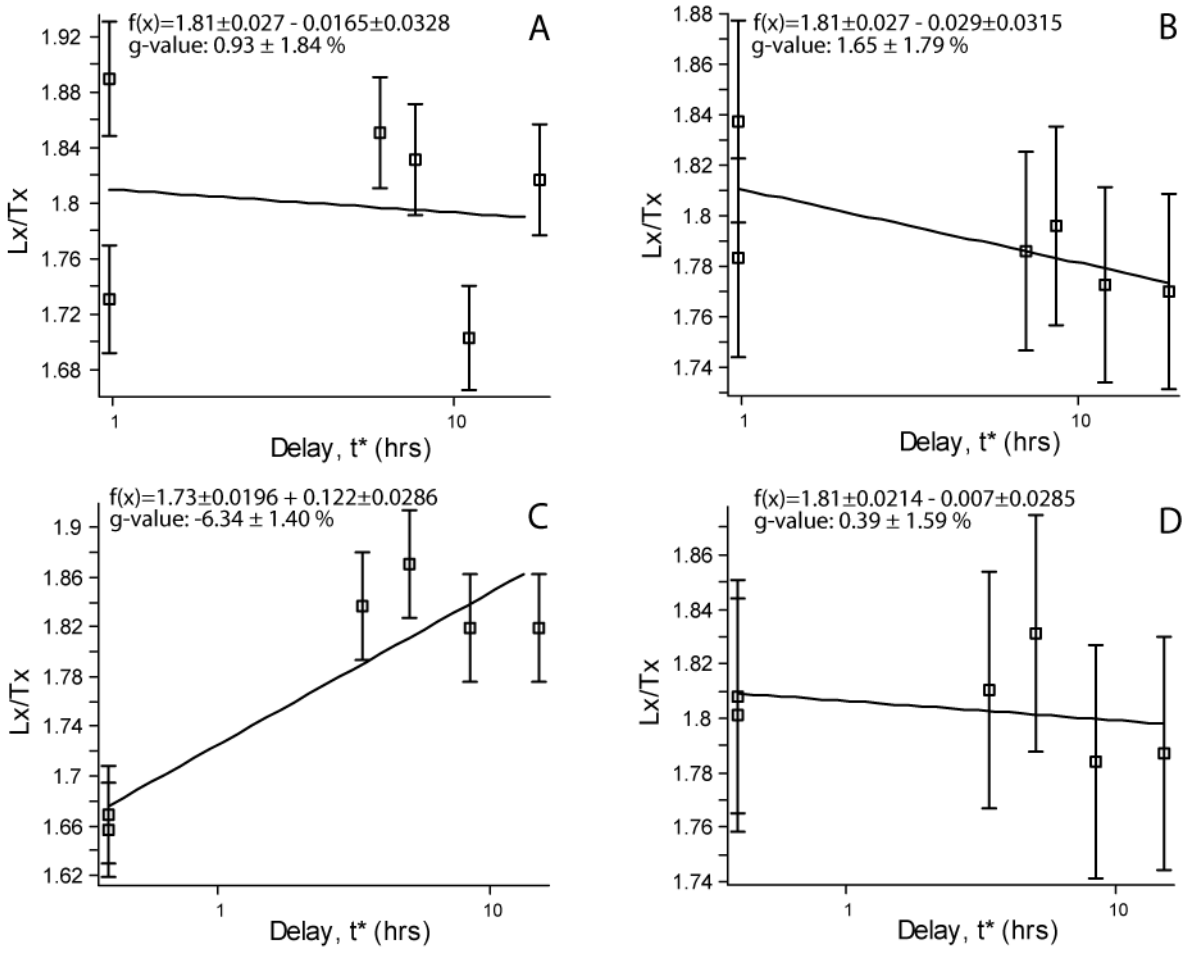


**Fig. S8.** *Plots showing the fading experiments. The normalized luminescence signal (Lx/Tx) is plotted against delay time. The linear functions used for fitting and the resulting g-values (fading rate) are shown. A and B show two aliquots of sample C-L3780; C and D show two aliquots of sample C-L3787.*