**Figure 3–source data 1. Fluorescence decay parameters for 2AP-containing duplexes, TP13 and TP1, in the absence and presence of Mos1 transposase.** The fluorescence lifetimes, i, and their corresponding A-factors, Ai, are given, where the latter indicate the fractional population of each lifetime component. The quality of the fits was judged on the basis of the reduced chi-squared statistic and the randomness of residuals. Results from three repeat measurements were in good agreement, and the uncertainties in reported values of lifetimes and A-factors were ≤10%. Related to Figure 3.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample** | **1/ns** | **2/ns** | **3/ns** | **4/ns** | **A1** | **A2** | **A3** | **A4** |
| **TP13** | 0.03 | 0.39 | 2.5 | 8.7 | 0.90 | 0.04 | 0.05 | 0.01 |
| **TP13 + Mos1** | 0.03 | 0.36 | 2.5 | 8.5 | 0.90 | 0.04 | 0.05 | 0.01 |
| **TP1** | 0.05 | 0.46 | 2.7 | 7.5 | 0.76 | 0.10 | 0.08 | 0.06 |
| **TP1 + Mos1** | 0.08 | 0.36 | 3.2 | 9.7 | 0.38 | 0.15 | 0.16 | 0.31 |