**TABLE 1.** Mutation rates for rifR in exponentially growing wild-type, *alkA−* and *xth− nfo−* *E. coli* in the presence of 0–0.2 mM fdU. A, primary culture selection (*N*t = 1.5–1.8±0.5 × 109 cells); B, secondary culture selection (*N*t = 0.6–0.7±0.2 × 109 cells).

**A**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Wild-type** | | ***alkA−*** | | ***xth− nfo−*** | |
|  | Mutation rate (× 10-9) | | | | | |
| fdU (mM) |  | Fold change |  | Fold change |  | Fold change |
| 0 | 1.3 (1.1; 1.5) | 1 | 1.4 (1.2; 1.6) | 1 | 1.4 (1.1; 1.7) | 1 |
| 0.1 | 2.4 (1.8; 3.0) | 1.8 | 2.9 (2.2; 3.6) | 2.1 | 2.3 (1.7; 2.9) | 1.6 |
| 0.2 | 1.7 (1.3; 2.2) | 1.3 | 2.7 (2.0; 3.4) | 1.9 | 2.4 (1.8; 3.0) | 1.7 |

**B**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Wild-type** | | ***alkA−*** | |
|  | Mutation rate (× 10-9) | | | |
| fdU (mM) |  | Fold change |  | Fold change |
| 0 | 2.4 (1.5; 3.4) | 1 | 1.3 (0.6; 2.2 ) | 1 |
| 0.1 | 5.6 (3.4; 8.2) | 2.3 | 4.7 (2.8; 7.0) | 3.6 |
| 0.2 | 2.2 (1.3; 3.3) | 0.92 | 3.1 (1.9; 4.4) | 2.4 |

The 95% confidence interval is indicated in parentheses. Number of experiments (*C*), median of viable cells (× 109) per 2 ml mutagenesis culture (*N*t) and other parameters are presented in **Supplementary Table S2**.