**Figure 5-Source Data 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **RNA** (Mismatch Position) | **Na** | **Tau (τ0)** | **Tau1 (τs)** | **Tau2 (τL)** | **AL** |
| **RNA-7a**(None) | 132 |  | 22.2 ± 2.4 sec | 172.8 ± 100.9 sec | 0.10 ± 0.07 |
| **RNA-6a**(+6) | 100 | 12.4 ± 1.4 sec | 12.4 ± 1.4 sec |  |  |
| **RNA-6b**(-1) | 59 | 16.2 ± 2.8 sec | 16.2 ± 2.8 sec |  |  |
| **RNA-1+5**(+1) | 68 | 23.8 ± 6.3 sec | 23.8 ± 6.3 sec |  |  |
| **RNA-2+4**(+2) | 45 | 20.3 ± 3.1 sec | 20.3 ± 3.1 sec |  |  |
| **RNA-3+3**(+3) | 59 |  | 11.4 ± 1.9 sec | 279.2 ± 178.6 sec | 0.21 ± 0.07 |
| **RNA-4+2**(+4) | 367 |  | 12.5 ± 1.4 sec | 203.5 ± 87.6 sec | 0.09 ± 0.04 |
| **RNA-5+1**(+5) | 113 |  | 12.6 ± 3.3 sec | 122.8 ± 59.8 sec | 0.14 ± 0.06 |

**a** Number of dwell times combined from the replicates and fit to obtain the corresponding parameters.