**Table S1.** Median survival time (T1/2) in days for *C155-Gal4* crossings of genotypes with altered curcumin concentration.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Curcumin concentration (w/w)** | **control** | **A1-40** | **A1-42** | **A1-42; A1-42** | **A1-42 E22G** | **tau** |
| **0 %** | 30 ± 0.4 (n=200) | 24 ± 0.5 (n=200) | 20 ± 0.4 (n=200) | 16 ± 0.6 (n=100) | 8 ± 0.2 (n=180) | 18 ± 0.5 (n=80) |
| **0.0001 %** | 28 ± 0.6 (n=100) | 24 ± 0.7 (n=100) | 22 ± 0.5 (n=100) | 19 ± 0.5 (n=100) | 13 ± 0.5 (n=100) | 18 ± 0.6 (n=60) |
| **0.001 %** | 24 ± 0.5 (n=100) | 22 ± 0.5 (n=100) | 23 ± 0.6 (n=100) | 18 ± 0.6 (n=100) | 14 ± 0.5 (n=100) | 18 ± 0.5 (n=100) |
| **0.01 %** | 23 ± 0.6 (n=100) | 19 ± 0.6 (n=100) | 20 ± 0.5 (n=100) | 17 ± 0.5 (n=100) | 12 ± 0.3 (n=100) | 15 ± 0.7 (n=60) |