**[Figure 3—supplement 4 source data 1](http://elifesciences.org/content/1/e00109v1%22%20%5Cl%20%22SD1-data) Statistics summary**

**Figure 3-S4 axon length**

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|   | control 3days | shot-tau RNAi3days |   | control 18days | shot-tau RNAi 18days |   | control 26days | shot-tau RNAi 26days |
| Number of values | 130 | 116 |   | 99 | 100 |   | 111 | 97 |
|   |  |  |   |  |  |   |  |  |
| Minimum | 0.2313 | 0.3421 |   | 0.3824 | 0.2350 |   | 0.2940 | 0.3710 |
| 25% Percentile | 0.5968 | 0.7175 |   | 0.6783 | 0.6185 |   | 0.7040 | 0.7190 |
| Median | 0.9313 | 0.9546 |   | 0.9042 | 0.8307 |   | 0.9230 | 0.9440 |
| 75% Percentile | 1.322 | 1.242 |   | 1.222 | 1.066 |   | 1.214 | 1.282 |
| Maximum | 2.483 | 3.784 |   | 2.962 | 2.026 |   | 2.827 | 3.221 |
|   |  |  |   |  |  |   |  |  |
| Mean | 1.007 | 1.075 |   | 1.000 | 0.8853 |   | 1.000 | 1.082 |
| Std. Deviation | 0.4949 | 0.5922 |   | 0.4560 | 0.3491 |   | 0.4305 | 0.5340 |
| Std. Error | 0.04341 | 0.05499 |   | 0.04583 | 0.03491 |   | 0.04086 | 0.05422 |
|   |  |  |   |  |  |   |  |  |
| Lower 95% CI of mean | 0.9214 | 0.9658 |   | 0.9093 | 0.8160 |   | 0.9191 | 0.9743 |
| Upper 95% CI of mean | 1.093 | 1.184 |   | 1.091 | 0.9546 |   | 1.081 | 1.190 |
|   |  |  |   |  |  |   |  |  |
| Sum | 130.9 | 124.7 |   | 99.02 | 88.53 |   | 111.0 | 104.9 |

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| **Figure 3-S4 number branches** |  |  |  |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|   | control 3days | shot-tau RNAi 3days |   | control 18days | shot-tau RNAi 18days |   | control 26days | shot-tau RNAi 26days |
| Number of values | 130 | 115 |   | 99 | 100 |   | 114 | 107 |
|   |  |  |   |  |  |   |  |  |
| Minimum | 0.0 | 0.0 |   | 0.0 | 0.0 |   | 0.0 | 0.0 |
| 25% Percentile | 0.4815 | 0.5010 |   | 0.5390 | 0.6470 |   | 0.4068 | 0.5972 |
| Median | 0.8770 | 0.8770 |   | 0.8333 | 1.078 |   | 0.8547 | 0.9153 |
| 75% Percentile | 1.504 | 1.378 |   | 1.401 | 1.667 |   | 1.344 | 1.424 |
| Maximum | 2.882 | 2.821 |   | 3.556 | 4.405 |   | 5.390 | 3.356 |
|   |  |  |   |  |  |   |  |  |
| Mean | 0.9969 | 0.9700 |   | 1.000 | 1.176 |   | 0.9737 | 1.117 |
| Std. Deviation | 0.6226 | 0.6470 |   | 0.6248 | 0.7371 |   | 0.8254 | 0.7658 |
| Std. Error | 0.05460 | 0.06034 |   | 0.06280 | 0.07371 |   | 0.07731 | 0.07403 |
|   |  |  |   |  |  |   |  |  |
| Lower 95% CI of mean | 0.8888 | 0.8504 |   | 0.8755 | 1.030 |   | 0.8206 | 0.9705 |
| Upper 95% CI of mean | 1.105 | 1.089 |   | 1.125 | 1.323 |   | 1.127 | 1.264 |
|   |  |  |   |  |  |   |  |  |
| Sum | 129.6 | 111.5 |   | 99.01 | 117.6 |   | 111.0 | 119.5 |

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