**[Figure 1—suplement 2 source data 1](http://elifesciences.org/content/1/e00109v1%22%20%5Cl%20%22SD1-data) Statistics summary**

**Figure 1-S2 Syt puncta**

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|   | wt | shot-/- | shot-/-UAS-shot-GFP | shot-/- UAS-tau-GFP |
| Number of values | 814 | 228 | 444 | 139 |
|   |   |  |  |  |
| Minimum | 0.0 | 0.0 | 0.0 | 0.0 |
| 25% Percentile | 0.3709 | 0.2973 | 0.4574 | 0.2790 |
| Median | 0.8743 | 0.6422 | 0.8189 | 0.7971 |
| 75% Percentile | 1.413 | 0.9290 | 1.475 | 1.354 |
| Maximum | 5.620 | 2.872 | 7.775 | 4.543 |
|   |   |  |  |  |
| Mean | 1.000 | 0.6729 | 1.136 | 0.9169 |
| Std. Deviation | 0.8069 | 0.5120 | 1.103 | 0.8081 |
| Std. Error | 0.02828 | 0.03391 | 0.05234 | 0.06854 |
|   |   |  |  |  |
| Lower 95% CI of mean | 0.9447 | 0.6061 | 1.033 | 0.7813 |
| Upper 95% CI of mean | 1.056 | 0.7397 | 1.239 | 1.052 |
|   |   |  |  |  |
| Sum | 814.2 | 153.4 | 504.5 | 127.4 |

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| --- | --- | --- | --- |
|   | wt | tau-/- | tau-/-UAS-shot-GFP |
| Number of values | 132 | 164 | 172 |
|   |  |  |  |
| Minimum | 0.0 | 0.0 | 0.0 |
| 25% Percentile | 0.4668 | 0.05187 | 0.2075 |
| Median | 0.8817 | 0.3112 | 0.5670 |
| 75% Percentile | 1.387 | 0.7861 | 1.127 |
| Maximum | 3.831 | 2.334 | 5.634 |
|   |  |  |  |
| Mean | 1.000 | 0.5107 | 0.7870 |
| Std. Deviation | 0.7319 | 0.5594 | 0.8140 |
| Std. Error | 0.06370 | 0.04368 | 0.06207 |
|   |  |  |  |
| Lower 95% CI of mean | 0.8740 | 0.4244 | 0.6645 |
| Upper 95% CI of mean | 1.126 | 0.5970 | 0.9095 |
|   |  |  |  |
| Sum | 132.0 | 83.76 | 135.4 |

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