**[Figure 1—suplement 2 source data 1](http://elifesciences.org/content/1/e00109v1" \l "SD1-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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