**Supplementary File 4. Calcium Rise Time Comparisons**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Neuron** | **Stimulus** | **Genotype** | **Mean ± SEM** | **n** | **# comparisons** | **p-value** | **95% Confidence Interval** | **Figure** |
| AIA | **1.15 µM dia** | WT | 0.40 ± 0.02 s | 390 | 3 |  |  | 5S-3M |
| 90 µM IAA | 0.30 ± 0.05 s | 76 | 0.332 | [-0.05, 0.24] |
| *E. coli* OP50-conditioned medium | 0.46 ± 0.09 s | 37 | 0.837 | [-0.26, 0.14] |
| AWA::Chr | 0.41 ± 0.03 s | 260 | 0.993 | [-0.10, 0.08] |
| AIA | AWA::Chr | **WT** | 0.41 ± 0.03 s | 260 | 3 |  |  | 4S-2M |
| *unc-13(e51)* | 0.33 ± 0.05 s | 29 | 0.824 | [-0.15, 0.29] |
| *unc-18(e234)* | 0.38 ± 0.03 s | 251 | 0.866 | [-0.07, -0.13] |
| *unc-18(e81)* | 0.21 ± 0.05 s | 29 | 0.111 | [-0.03, 0.41] |