**Supplementary File 6**

 (**A**)

|  |  |  |
| --- | --- | --- |
| SYT1 | Cultured in the absence of JF549i | Cultured in the presence of JF549i |
| Number of values(synapses) | 136 | 156 |
|  |  |  |
| Mean | 30.5 | 2.03 |
| Median | 25.4 | 1.82 |
| Std. Deviation | 21.6 | 0.925 |
| Std. Error of Mean | 1.85 | .0740 |
|  |  |  |
| Lower 95% CI of mean | 26.8 | 1.88 |
| Upper 95% CI of mean | 34.2 | 2.17 |

(**B**)

|  |  |  |
| --- | --- | --- |
| SYB2 | Cultured in the absence of JF549i | Cultured in the presence of JF549i |
| Number of values(synapses) | 79 | 107 |
|  |  |  |
| Mean | 40.5 | 2.98 |
| Median | 36.7 | 2.89 |
| Std. Deviation | 18.0 | 1.67 |
| Std. Error of Mean | 2.03 | 0.161 |
|  |  |  |
| Lower 95% CI of mean | 36.5 | 2.66 |
| Upper 95% CI of mean | 44.6 | 3.30 |