**Supplementary Table 1: Absolute values of post-pre and pre-post ΔtSTDP**

|  |  |
| --- | --- |
| Pairings protocols | |ΔtSTDP| (ms) |
| 100 post-pre pairings  100 pre-post pairings  50 post-pre pairings  50 pre-post pairings  10 post-pre pairings  10 pre-post pairings  15 pre-post pairings (CB1R+/+ mice)  15 pre-post pairings (CB1R-/- mice)  10 pre-post pairings + MPEP  10 pre-post pairings + nimodipine  10 pre-post pairings + i-THL  10 pre-post pairings + AM251  10 pre-post pairings + capsazepine  10 pre-post pairings + AMG9810  10 pre-post pairings + picrotoxin | 17.4±1.6, n=11  17.2±2.0, n=7  15.3±0.7, n=8  13.9±1.7, n=8  16.1±1.7, n=7  12.7±1.4, n=15  9.8±0.8, n=5  10.4±0.9, n=6  13.4±1.4, n=10  11.1±1.2, n=7  13.91.1, n=8  13.0±1.1, n=8  16.8±2.0, n=8  15.7±0.7, n=7  13.9±1.2, n=7 |

|ΔtSTDP| values did not display significant variations among experimental groups for post-pre or pre-post pairing protocol (one-way ANOVA: F=1.782; p=0.0968, Dunnett’s multiple comparisons test).