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

|  |  |
| --- | --- |
| Pairings protocols | |ΔtSTDP| (ms) |
| 100 post-pre pairings100 pre-post pairings50 post-pre pairings50 pre-post pairings10 post-pre pairings10 pre-post pairings15 pre-post pairings (CB1R+/+ mice)15 pre-post pairings (CB1R-/- mice)10 pre-post pairings + MPEP10 pre-post pairings + nimodipine10 pre-post pairings + i-THL10 pre-post pairings + AM25110 pre-post pairings + capsazepine10 pre-post pairings + AMG981010 pre-post pairings + picrotoxin | 17.4±1.6, n=1117.2±2.0, n=715.3±0.7, n=813.9±1.7, n=816.1±1.7, n=712.7±1.4, n=159.8±0.8, n=510.4±0.9, n=613.4±1.4, n=1011.1±1.2, n=713.91.1, n=813.0±1.1, n=816.8±2.0, n=815.7±0.7, n=713.9±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).