Supplementary file 1. Correlation of burst and burstlet parameters and preBötC f.

| Comparison | Condition | r ² | p-value | n |
|--|-----------------------------------|----------------|---------|----|
| burstlet fraction vs. preBötC f (Related to Figure 1A-C) | 9/1.5 | 0.0026 | 0.5 | 6 |
| | 10 nM DAMGO | 0.26 | 0.1 | 6 |
| | 30 nM DAMGO | 0.031 | 0.4 | 6 |
| | Change in correlation | | 0.8 | 6 |
| burstlet fraction vs. preBötC f (Related to Figure 1D-F) | 30 nM DAMGO+ | 0.00002 | 0.5 | 13 |
| | 100 μM picrotoxin/1 μM strychnine | | | |
| preBötC burst amp. vs. preBötC f (Related to Figure 1D-F) | 30 nM DAMGO+ | 0.1 | 0.1 | 13 |
| | 100 μM picrotoxin/1 μM strychnine | | | |
| burstlet fraction vs. preBötC f (Related to Figure 1G-I) | 3/1 | 0.21 | 0.1 | 7 |
| | 10 nM DAMGO | 0.38 | 0.1 | 7 |
| | 30 nM DAMGO | 0.0022 | 0.5 | 7 |
| | Change in correlation | | 0.6 | 7 |
| burstlet fraction vs. preBötC <i>f</i> (Related to Figure 2A, B) | 3/1* | 0.71 | 0.005 | 8 |
| | Cd ²⁺ | 0.059 | 0.3 | 8 |
| | Cd ²⁺ +DAMGO | 0.037 | 0.3 | 8 |
| | Change in correlation | | 0.9 | 8 |
| burstlet fraction vs. preBötC f (Related to Figure 4C, D) | 3/1 | 0.073 | 0.3 | 6 |
| | 500 nM SP | 0.53 | 0.05 | 6 |
| | Change in correlation | | 0.3 | 6 |
| burstlet fraction vs. preBötC f (Related to Figure 4E, F) | 3/1 | 0.11 | 0.1 | 13 |
| | 100 μM picrotoxin/1 μM strychnine | 0.04 | 0.3 | 13 |
| | Change in correlation | | 0.1 | 13 |

^{*,} p<0.05