

Use-dependent potentiation of voltage-gated calcium channels rescues neurotransmission in nerve terminals intoxicated by botulinum neurotoxin serotype A

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Supplementary Figure S1. 3,4-DAP, GV-58 or FPL 64176 do not alter spontaneous mEPSC characteristics. (A) Left: Representative whole-cell recordings of spontaneous mEPSCs in non-intoxicated cultures treated with vehicle or 3,4-DAP (50 μ M). Right: Quantitation of mEPSC frequency (3,4-DAP) and amplitudes (3,4-DAP, GV-58 and FPL 64176). (B) Left: Representative whole-cell recordings of BoNT/A-intoxicated cultures \pm 3,4-DAP. Right: Quantitation of mEPSC frequency (vehicle vs 3,4-DAP). Scale bars represent 5 s (x-axis) and 20 pA (y-axis). Grouped data is presented as mean \pm SEM. *ns* = not significant.

