



Supplementary Figure S9:

Response to LTP and LTD stimuli.

A: protein synthesis for the LTP stimuli and

B: protein synthesis for the LTD stimuli.

LTP stimulus was 3 Ca²⁺ peaks of 10 μM for 1 sec each, separated by 5 min

(Arrows below time axis in A). Filled triangles indicate runs where the Ca²⁺ remained at baseline (0.08 μM) and open squares indicate Ca²⁺ at 10 μM.

The LTD stimulus (Bar below time axis in B) was a single pulse of Ca²⁺ for 900 sec at 1 μM (open squares) and 0.2 μM Ca²⁺ (filled triangles).

The simulations are with zero BDNF.