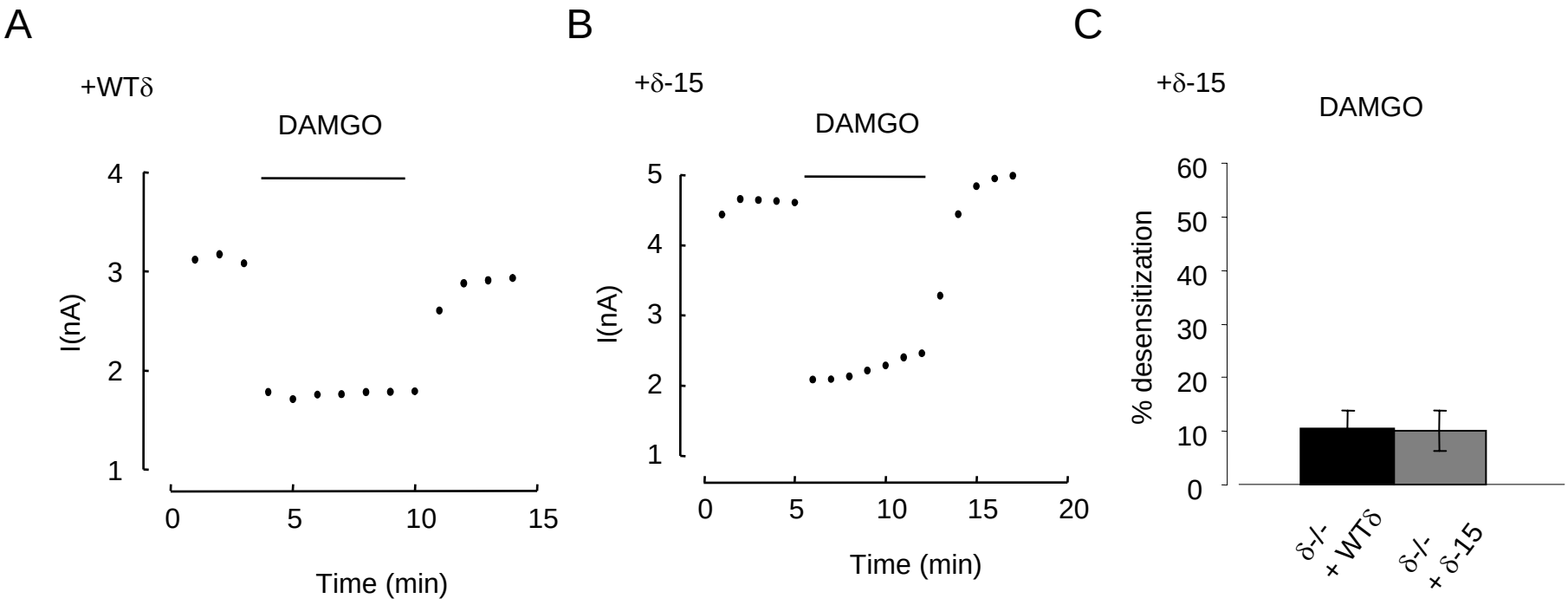
Supplementary 3



The dot plots illustrate the time course of the inhibition of Ca^{2+} currents by DAMGO (1 μM) in δ-/- DRG neurons expressing A, the full length recombinant δ receptor (+WTδ) and B, the truncated δ-15 construct (+δ-15). C, The bar graph depicts the mean percent desensitization during 5 min exposure to DAMGO of δ-/- neurons expressing the full length δ receptor and the δ-15 construct. The loss of DAMGO-evoked inhibition after 5 min of exposure was expressed as a percentage of the peak inhibition in each cell. There is little desensitization of the DAMGO response in the presence of the δ receptor and this is not influenced by expression of the δ-15 construct. By contrast DPDPE induced desensitization was strongly influenced by the δ-15 construct (Fig. 6D).