



Supplemental figure 1. Levels of membrane bound and cytosolic pS129 α -syn following 10 min incubation in isolation or in the presence of phosphatase inhibitors. A) Membranes and cytosol obtained from the brains of transgenic mice expressing the human form of WT α -syn were separately incubated for 10 min at 37°C (T10). The level pS129 α -syn was quantified by western blot and compared to that in the starting material at T=0 ($P>0.05$, $n=6$). B) Cytosol obtained from the brains of transgenic mice expressing the human form of WT α -syn was incubated with α -syn^{-/-} synaptic membranes in the absence or presence of a phosphatase inhibitor cocktail (PhosIC) for 10 min at 37°C. Representative western blots showing the level of membrane bound (M) and cytosolic (C) α -syn and pS129 are shown. Bars represent the percentage of membrane-bound and cytosolic pS129 α -syn relative to starting material.