



**Additional file 6: Figure S6.** Assessment of assay reproducibility in the duplex assay using cortical human samples. Tissue samples of the frontal cortex (n=16) were lysed using buffer containing 1% Triton and repeatedly analyzed (n=5) using the duplex assay for total and pS129 h-asyn concentration on separate days. Percent variation from the mean value for each sample is plotted for total h-asyn measurements (**A**), for pS129 h-asyn (**B**) and for total to pS129 h-asyn ratio (**C**). Dashed lines indicate  $\pm 25\%$  variation while thin lines indicate  $\pm 10\%$  variation from mean (0%).