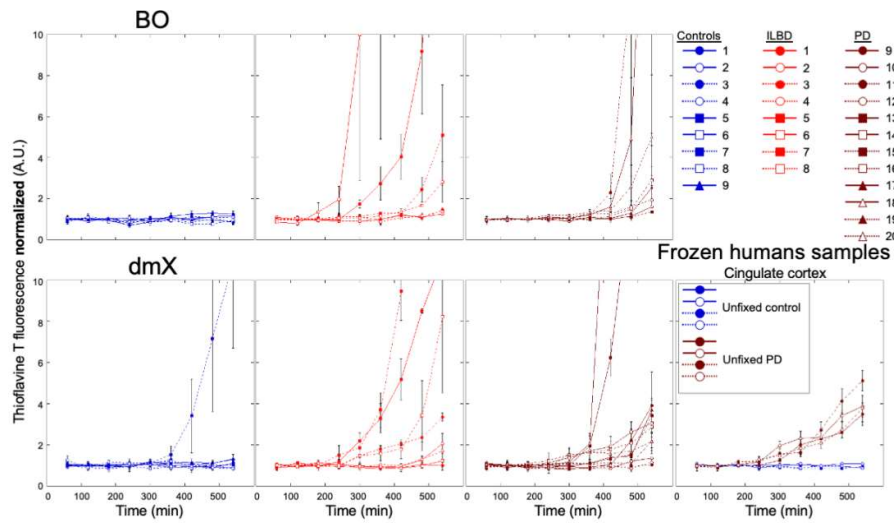
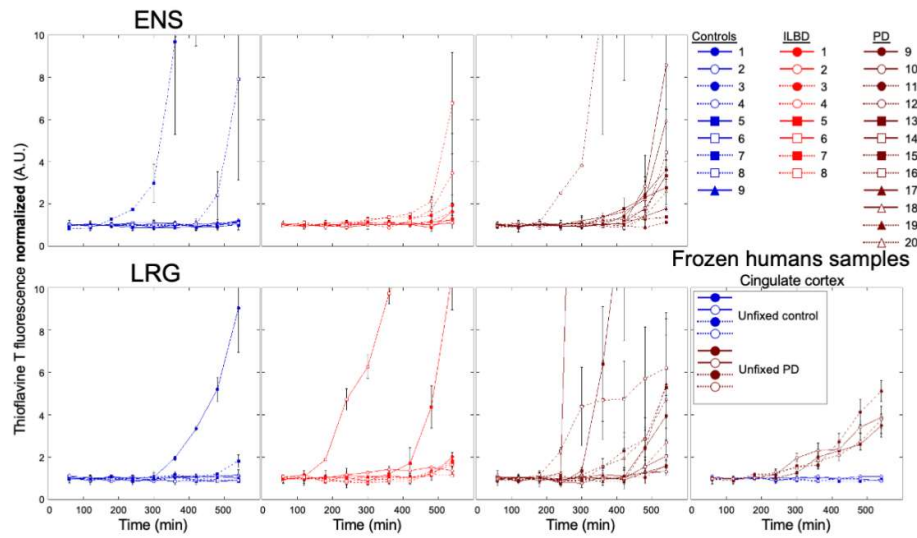


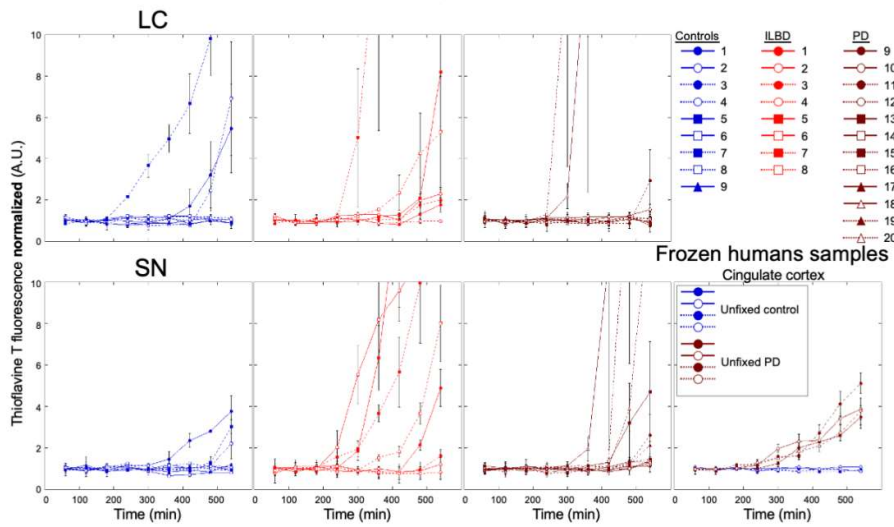
**Figure S1.** Quantification of phosphorylated  $\alpha$ Syn.



**Figure S2.** Amplification of aggregated  $\alpha$ Syn from fixed tissues by PMCA (olfactory bulb and dorsal motor nucleus of the vagus nerve).



**Figure S3:** Amplification of aggregated  $\alpha$ Syn from fixed tissues by PMCA (enteric nervous system and lower raphe nuclei)



**Figure S4:** Amplification of aggregated  $\alpha$ Syn from fixed tissues by PMCA (locus coeruleus and substantia nigra, pars compacta).