Supplemental Figures for Yap, T.L. *et al*. "α-Synuclein Interacts with Glucocerebrosidase Providing a Molecular Link between Parkinson and Gaucher Diseases"

Figure S1

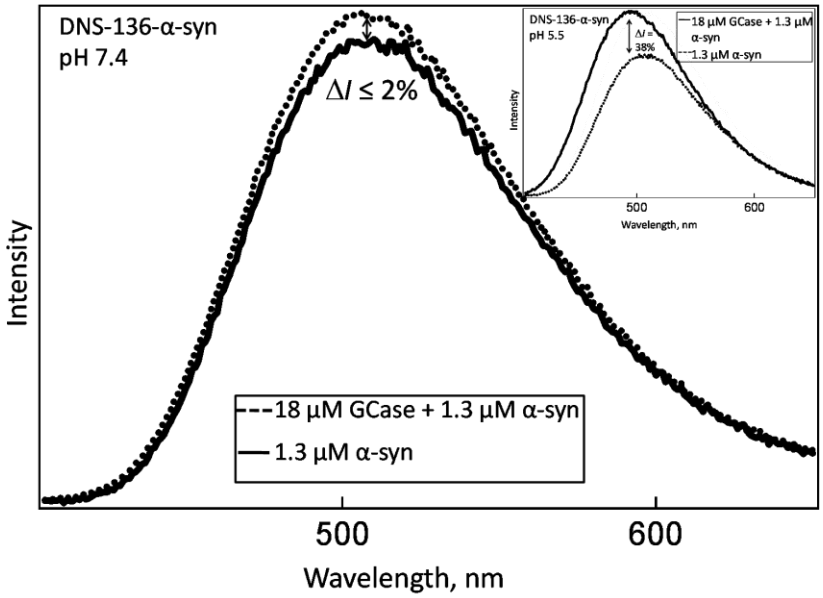

Figure S1. Fluorescence of Dns136-α-syn (1.3 μM) in the absence and presence of GCase (18 μM) at pH 7.4 and 5.5 (inset). The emission spectra (λ_{ex} = 340 nm, λ_{obs} = 405 – 650 nm) were collected at pH 7.4 and 5.5. At pH 5.5, quantum yield increases (ΔI = 38 %) and mean wavelength ($\langle\lambda\rangle$) changes were observed ($\langle\lambda\rangle_{+GCase}$ = 511 nm and $\langle\lambda\rangle_0$ = 524 nm). In contrast, insignificant spectroscopic changes at pH 7.4 were observed ($\Delta I \leq 2$ % and $\langle\lambda\rangle$ in the absence and presence of GCase ≈ 524 nm).