

Figure S2

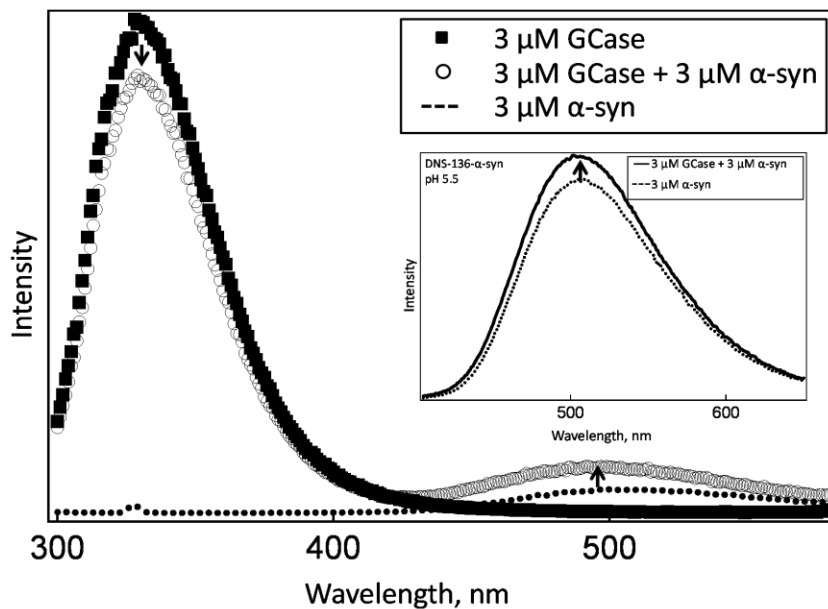


Figure S2. Fluorescence of GCCase in the absence (■) and presence (○) of Dns136- α -syn at pH 5.5. There are 12 intrinsic Trp residues in GCCase and none in α -syn. Upon adding one equivalent of Dns136- α -syn, Trp fluorescence of GCCase decreases ($\Delta I = 12\%$), suggesting energy transfer between Trp and Dns, a Förster energy transfer pair with an $R_0 \sim 22 \text{ \AA}$. Consistently, Dns136- α -syn emission (450-580 nm) also exhibited an increased intensity in the presence of GCCase as compared to that of Dns136- α -syn alone (●). (*Inset*) Dns136- α -syn fluorescence excited at 340 nm also indicates that protein-enzyme interaction is occurring.