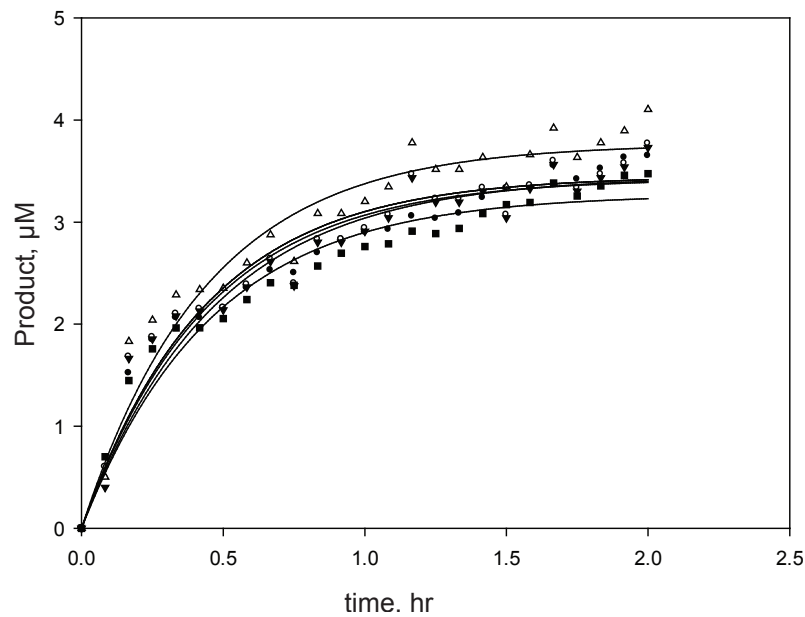
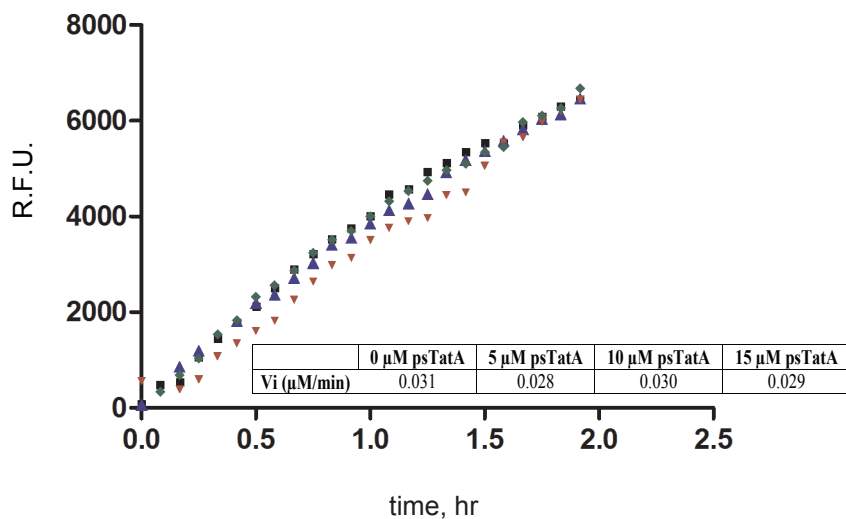


a**b**

Supplemental Figure S7. (a) Competitive binding studies of hiGlpG-mediated FL-casein cleavage in the presence of different concentrations of psTatA. Plots show no effect of psTatA on FL-casein cleavage. **(b)** Competitive binding studies of monomeric AarA-mediated cleavage of FL-casein in the presence of 5 μM (blue), 10 μM (red), 15 μM (green) or no psTatA (black). The protease reaction between AarA (0.18 μM) with FL-casein (3 μM) was performed in activity buffer containing 0.2% DM in the presence of different concentrations of psTatA. The reaction was started with the protease. Fluorescence emission at 513 nm was measured at 37°C every 5 min for 2 hr in a fluorescence microplate reader with an excitation wavelength of 503 nm. Fluorescence detection of each substrate concentration in the presence of corresponding psTatA concentration without enzyme was used as a negative control (n=2). The table represents the initial velocities of FL-casein cleavage in the presence of different concentrations of psTatA.