Electronic Supplementary Information

A Fluorescence Turn on Trypsin Assay Based on Aqueous Polyfluorene

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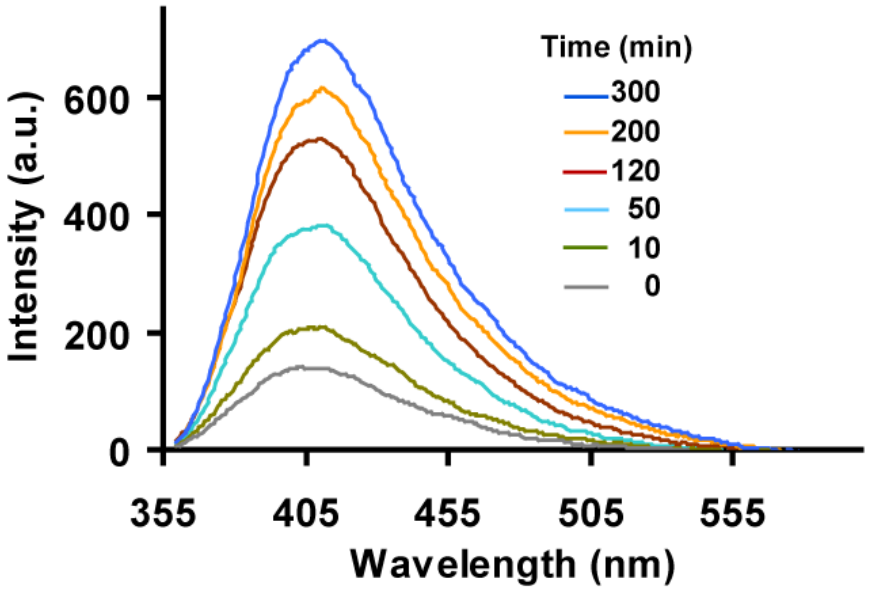

Figure S1: Changes in fluorescence intensity of P1 (0.4 µM)/Arg_6 (0-5 µM) in the presence of trypsin (40 nM) at pH 8.5 in 2mM PBS solution containing [Ca^{2+}] = 10 µM, in prolonged time duration of upto 300 min.

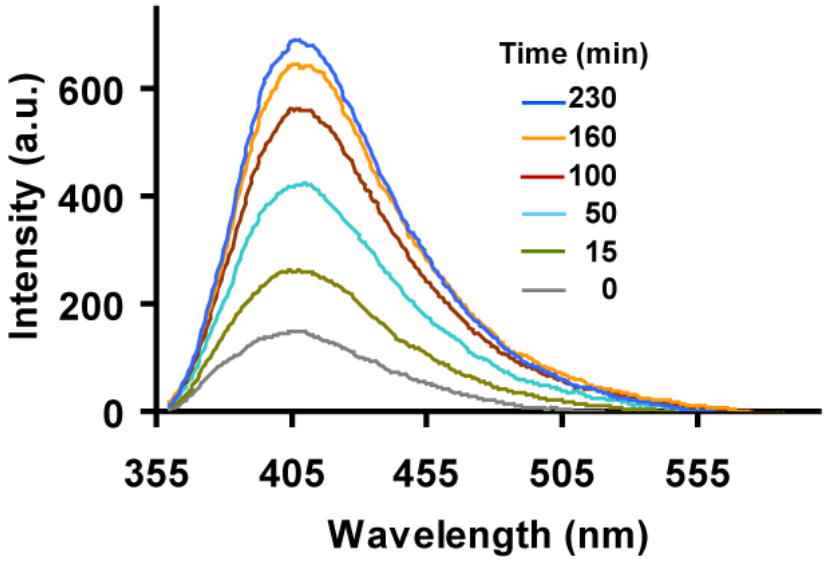

Figure S2: Changes in fluorescence intensity of P1 (0.4 µM)/Arg_6 (0-5 µM) in the presence of trypsin (80 nM) at pH 8.5 in 2mM PBS solution containing [Ca^{2+}] = 10 µM, in prolonged time duration of upto 230 min.

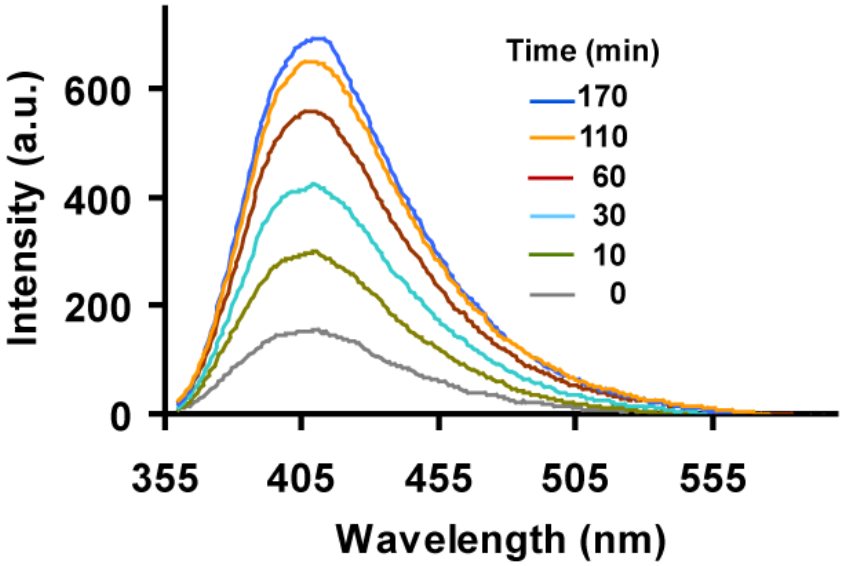

Figure S3: Changes in fluorescence intensity of P1 (0.4 µM)/Arg_6 (0-5 µM) in the presence of trypsin (120 nM) at pH 8.5 in 2mM PBS solution containing [Ca^{2+}] = 10 µM, in prolonged time duration of upto 170 min.

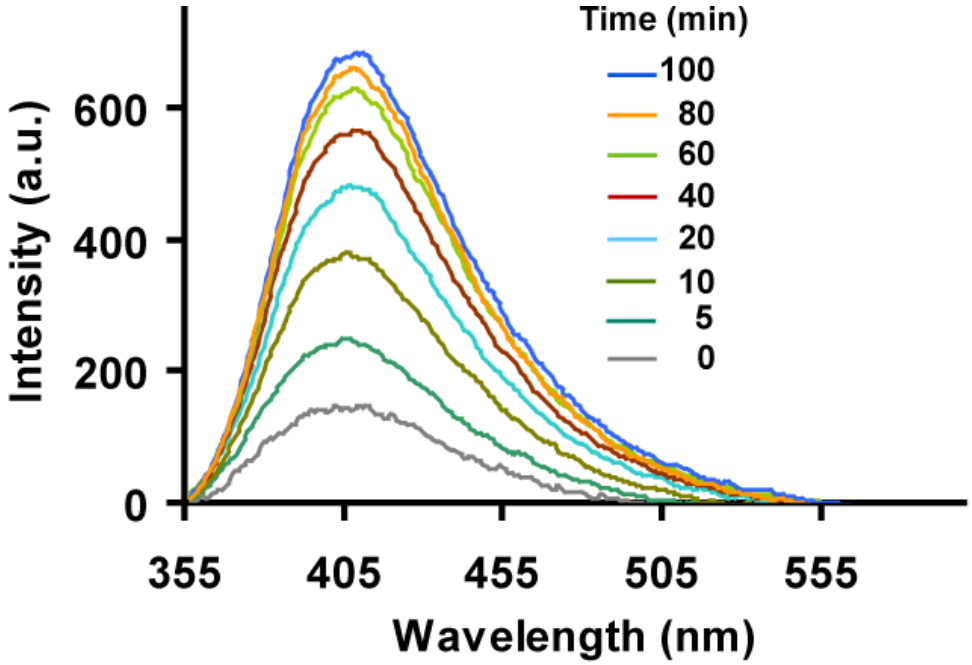

Figure S4: Changes in fluorescence intensity of P1 (0.4 µM)/Arg_6 (0-5 µM) in the presence of trypsin (180 nM) at pH 8.5 in 2mM PBS solution containing [Ca^{2+}] = 10 µM, in prolonged time duration of upto 100 min.

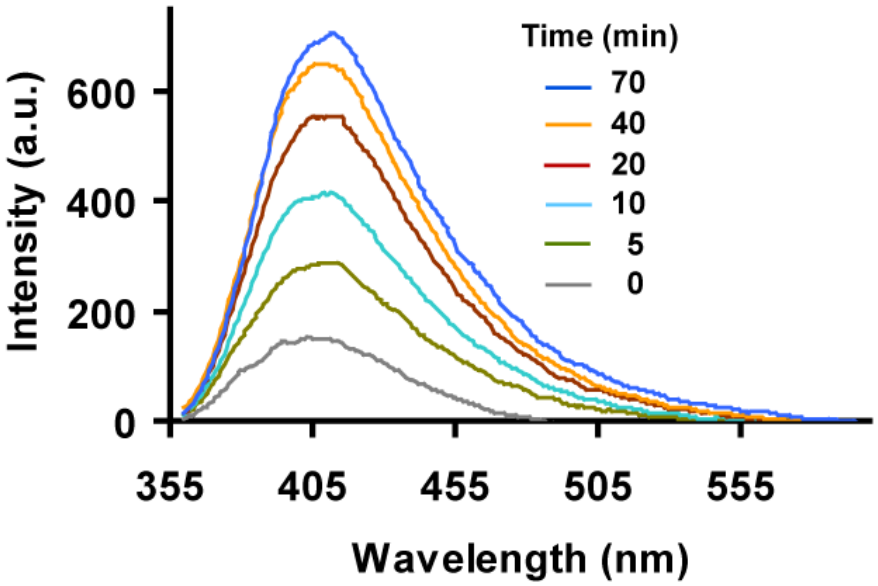

Figure S5: Changes in fluorescence intensity of P1 (0.4 µM)/Arg_6 (0-5 µM) in the presence of trypsin (220 nM) at pH 8.5 in 2mM PBS solution containing [Ca^{2+}] = 10 µM, in prolonged time duration of upto 70 min.

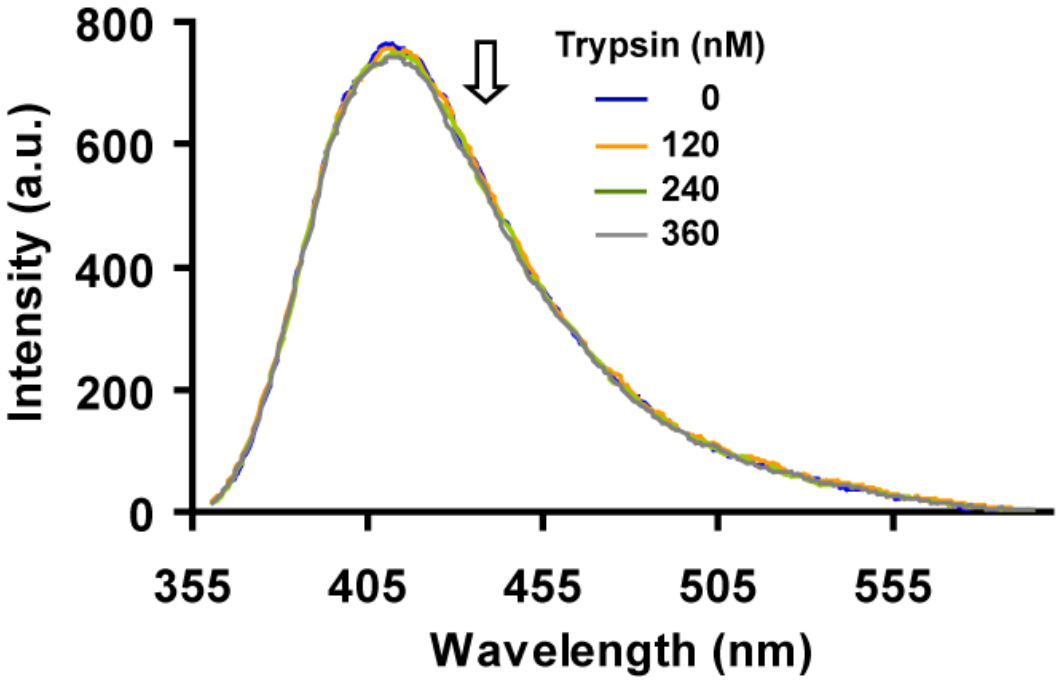

Figure S6: Changes in fluorescence intensity of P1 (0.4 µM) in presence of increasing concentration of trypsin from 0 to 360 nM at pH 8.5 in 2 mM PBS solution after 20 min.