Supporting Information

Sensing proteins with luminescent silica nanoparticles.

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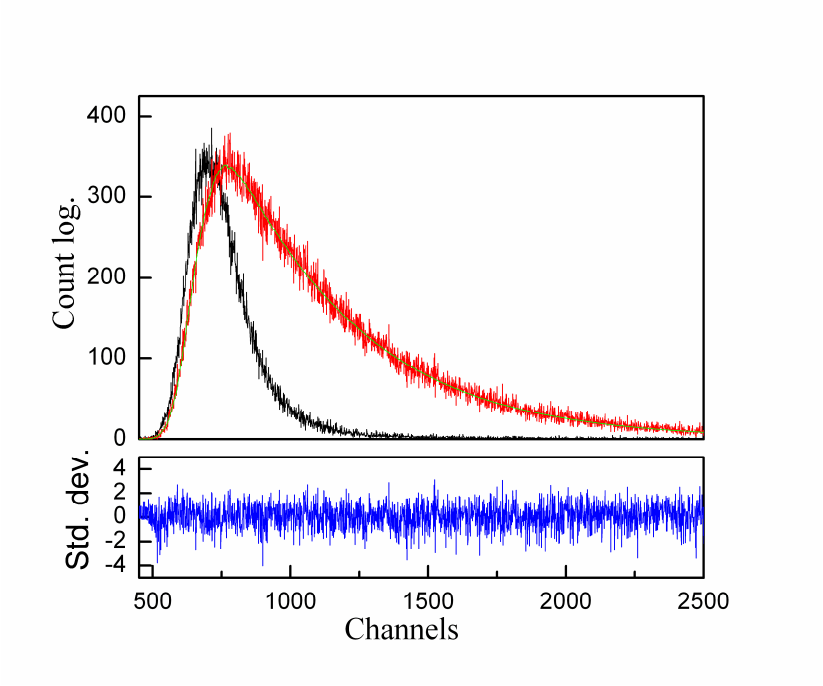

Figure S1. Fluorescence decay curve of perylene loaded silica nanoparticles (red) and source profile (black). The best-fitting curve (green) and residues (blue) are also reported.

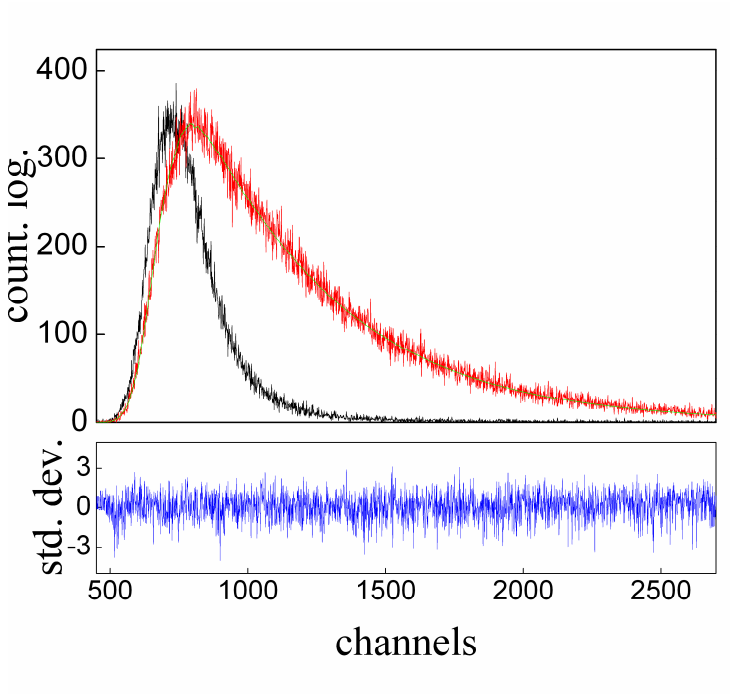

Figure S2. Fluorescence decay curve of 1,6 diphenyl-1,3,6-hexatriene loaded silica nanoparticles (red) and source profile (black). The best-fitting curve (green) and residues (blue) are also reported.

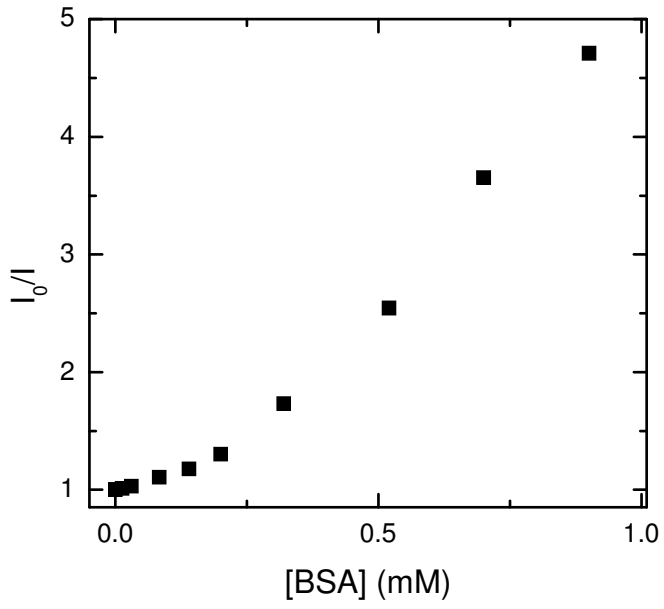

Figure S3. Stern-Volmer plot of perylene loaded silica nanoparticles fluorescence in the presence of increasing BSA concentrations (pH=6)

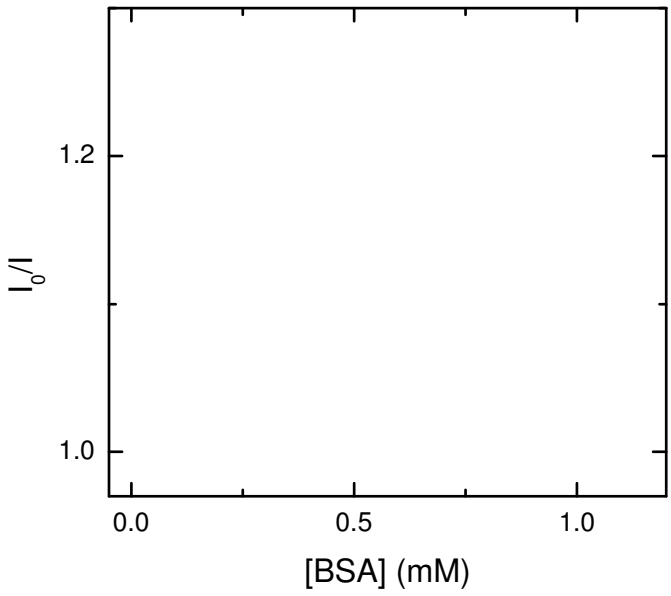

Figure S4. Stern-Volmer plot of perylene loaded silica nanoparticles fluorescence in the presence of increasing BSA concentrations (pH=3)

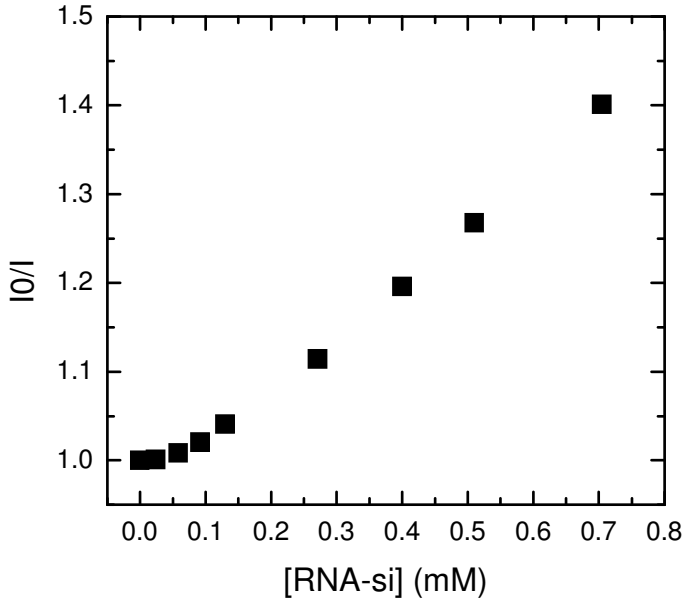

Figure S5. Stern-Volmer plot of perylene loaded silica nanoparticles fluorescence in the presence of increasing RNA-si concentrations.

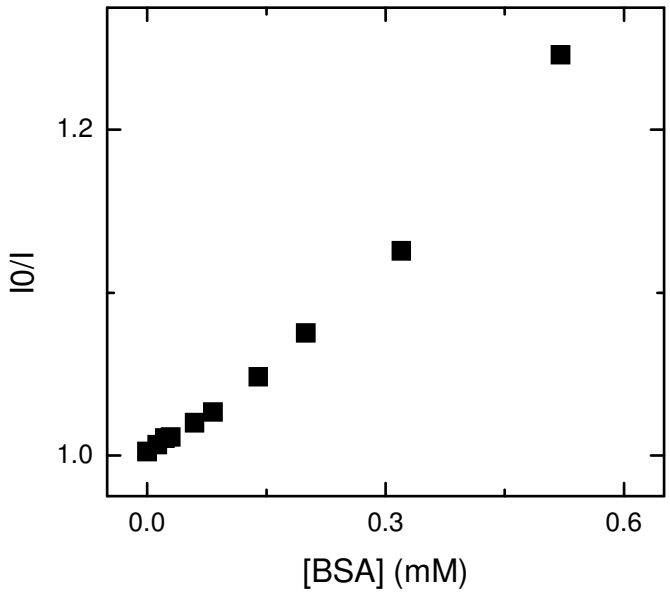

Figure S6. Stern-Volmer plot of DPH loaded silica nanoparticles fluorescence in the presence of increasing BSA concentrations (pH=6)

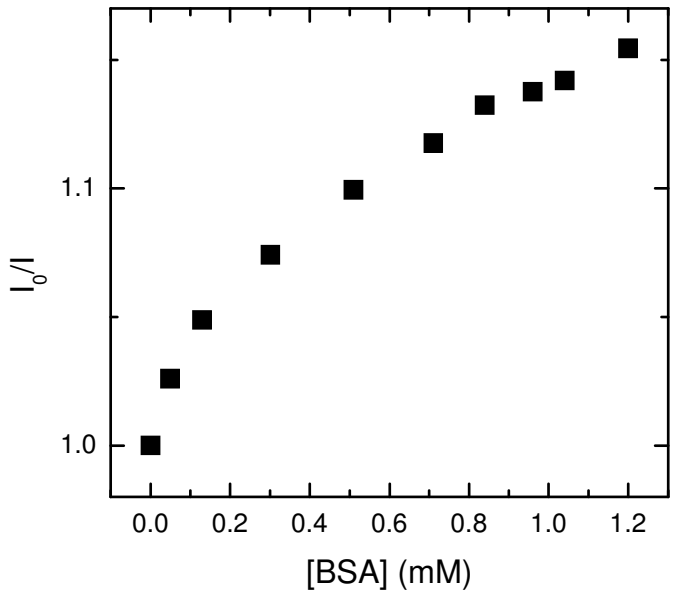

Figure S7. Stern-Volmer plot of DPH loaded silica nanoparticles fluorescence in the presence of increasing BSA concentrations (pH=3)

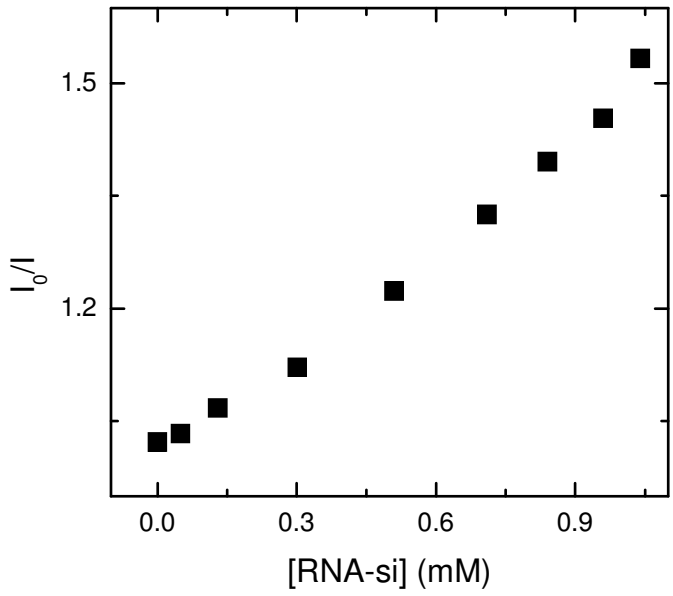

Figure S8. Stern-Volmer plot of DPH loaded silica nanoparticles fluorescence in the presence of increasing RNA-si concentrations.