

Figure S1. Far-UV CD spectra of 37 μM apo (black line), Ca^{2+} -loaded (1 mM CaCl_2 , solid green line) and Zn^{2+} -loaded (1 mM ZnCl_2 , solid purple line) S100A1 at 37 $^\circ\text{C}$.

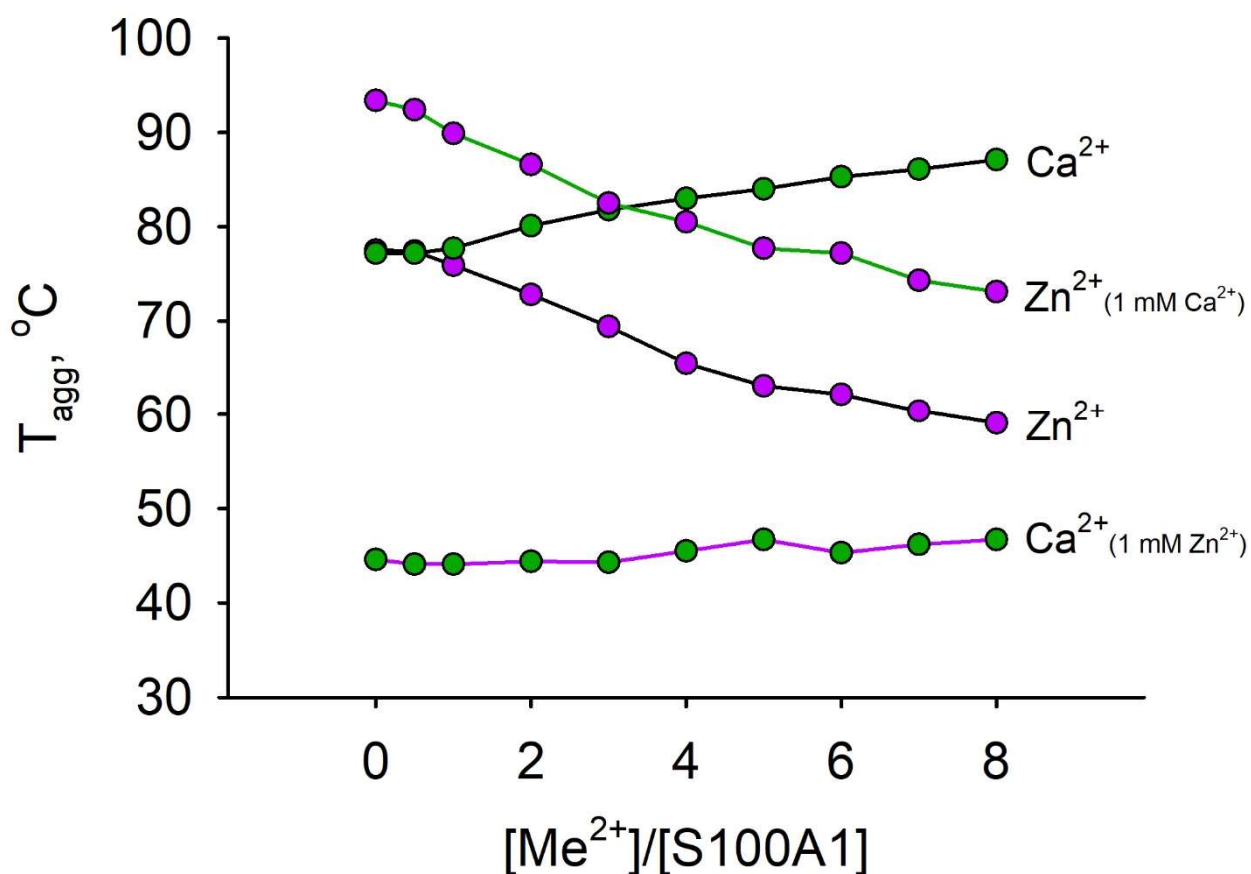


Figure S2. Effect of Ca²⁺ and Zn²⁺ on aggregation of S100A1. 37 μ M of S100A1 in a buffer containing Ca²⁺, or Zn²⁺, or their combinations was loaded into capillaries and light scattering at 350 nm was monitored at temperature range 20–110 °C. Aggregation temperatures (T_{agg}) for S100A1 in presence of different ions were determined from the first derivative of light scattering temperature dependence.