



S	M _f (kDa)	Theoretical Mass (kDa)
2.07	19.4	19.6

Supplementary Figure 1: Sedimentation velocity experiment of 8.3 μM $(\text{Ca}^{2+})_4\text{-PCaM}_{1-148}$ in the presence of a slight excess of FI- βCaNp . Sedimentation of FI- βCaNp was monitored by absorbance at 494 nm using a Beckman XL-I analytical ultracentrifuge. Data analysis is described in *Materials and Methods*. Sedimentation data fit using SEDFIT [Schuck (2000), Brown and Schuck (2006)] with model of a single species. The resulting molecular mass (19.4 kDa) corresponded closely with the theoretical mass (19.6 kDa) and not to a 2:2 (39.2 kDa) or 1:2 (22.4 kDa) complex.