## Supporting Information for: Oligo(L-glutamic acids) in Calcium Phosphate Precipitation: Mechanism of Delayed Phase Transformation

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## Supplementary Figures



Figure S1. SAED patterns of precipitates produced in the presence of 0.5 mM Glu<sub>3</sub> at 1 h (a) and 3 h (b).



Figure S2. SAED patterns of precipitates produced in the presence of 0.18 mM Glu<sub>10</sub> at 1 h (a)

and 8 h (b).



Figure S3. Synchrotron pXRD profiles at different time points during calcium phosphate precipitation in the group of control (a), 0.5 mM  $Glu_{s}(b)$ , 0.22  $Glu_{s}(c)$ , and 0.18 mM  $Glu_{s0}(d)$ .



Figure S4. PDF profiles at different incubation times in the group of control (a), 0.5 mM  $Glu_{3}(b)$ , 0.22  $Glu_{8}(c)$ , and 0.18 mM  $Glu_{10}(d)$ .



Figure S5. ITC thermograms by titrating  $Ca^{2+}$  into solutions of  $Glu_3$  (a),  $Glu_7$  (b),  $Glu_8$  (c), and  $Glu_{10}$  (d) at 25 °C.



Figure S6. Model fits to SAXS data from Figure 5a without or with oligo(L-glutamic acids).