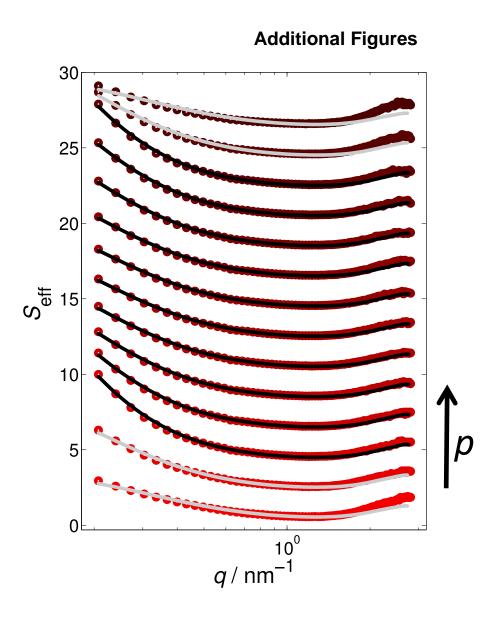


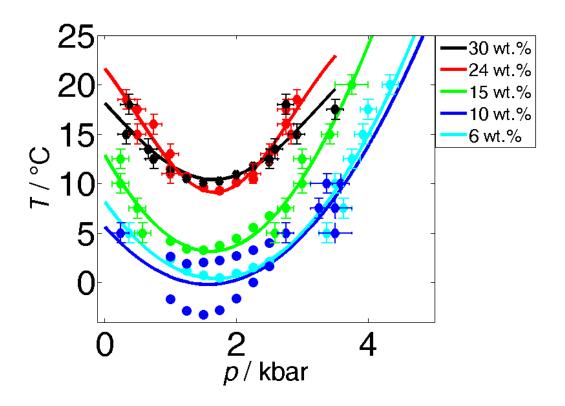
PCCP

Supporting Information

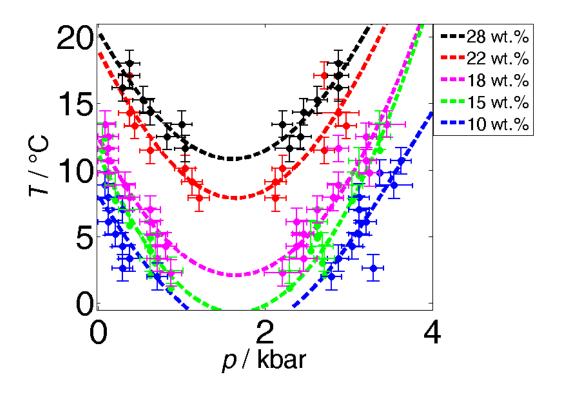


SI Figure 1: Measured effective structure factor $S_{\rm eff}(q)$ of a 24 wt.% lysozyme solution for selected pressures at T=15 °C (dots). Black lines indicate the fits in the homogenous phase, grey lines indicate fits in the LLPS phase. Lines are shifted by 2 units towards higher pressures.

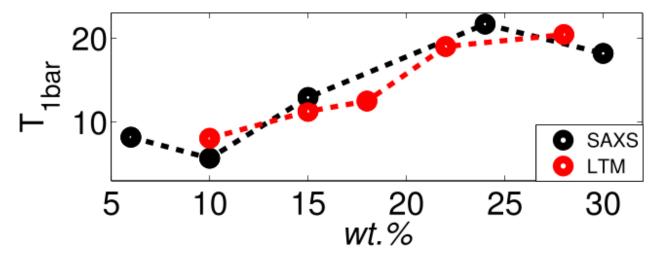
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SI Figure 2: Overview of all LL-phase transitions as determined by the SAXS measurements for all concentrations as well as the corresponding Gaussian fits.



SI Figure 3: Overview of all LL-phase transitions as identified by the turbidity measurements as well as the Gaussian fits.



SI Figure 4. Overview of LL-phase transition temperatures at 1 bar obtained by SAXS and turbidity measurements.