SI Figure 1: Measured effective structure factor $S_{\text{eff}}(q)$ of a 24 wt.% lysozyme solution for selected pressures at $T = 15 \, ^\circ\text{C}$ (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.
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.