Supplementary material:
Depletion, melting and reentrant solidification
in mixtures of soft and hard colloids

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SLS/DLS results

Figure SM1: Normalized scattered intensity extrapolated at $Q = 0$ for the slow and fast processes in HS-star mixtures at $\rho_S\sigma_S^3 = 0.126$. Here $I_0$ is the intensity measured in absence of HS. Dashed lines are guides to the eye.

Figure SM2: Inverse square root of the slow process intensity $1/\sqrt{I(Q)}$ vs $Q^2$ for $\rho_S\sigma_S^3 = 0.126$ and different hard colloid densities. Dashed lines represent linear fits. The intercept and the slope of the linear regressions are $1/\sqrt{I(0)}$ and $\xi^2/\sqrt{I(0)}$, respectively.
Figure SM3: Results of the fits described in Fig. SM2. Scattered intensity at zero wavevector $I(0)$ (Panel A) and normalized correlation length $\xi$ (Panel B) for $\rho_s \sigma_s^3 = 0.126$. 
Figure SM4: Rejuvenation protocol employed for the rheological characterization of the mixture at $\rho_S \sigma_S^3 = 0.343$ and $\rho_H \sigma_S^3 = 15.013$. The time sweep has been performed at constant shear amplitude $\gamma_0 = 200\%$ and frequency $\omega = 1 \text{ rad/s}$. 