FIG. S1: MCT power law fit (solid line) and VFT fit (dashed line) of temperature dependence of structural relaxation time for different systems. Inset: self-intermediate scattering function $F_s(q_0,t)$ at different temperatures, where $q_0 = 7.2, 7.4, 7.6$ for $\rho = 1.2, 1.3, 1.4$, respectively.
FIG. S2: Finite size effects on (a) fraction of T1-inactive particles $p$ as a function of inverse temperature $1/T$ and (b) percolation probability of T1-inactive clusters $P$. Solid curves in (b) are tanh fits $P = 1/2(1 + \tanh((p_c - p)/d))$ to the data, while vertical dashed lines indicate the effective percolation thresholds $p_c$. 