Figure S1: $\mu^2/\Gamma^2$, from the cumulant fit to the autocorrelation function as obtained from dynamic light scattering measurements, as a function of $\beta$. Top: for complex coacervate core micro-emulsions (C3- $\mu$Es) composed of PDMAEMA$_{150}$, PAA$_{140}$ and PAA$_x$-PAAm$_y$, $x$ being 26 and $y$ being 100, 200 and 405. Bottom: for C3- $\mu$Es composed of PDMAEMA$_{150}$, PAA$_{140}$ and PAA$_x$-PAAm$_y$, $x$ being 39 and $y$ being 97, 191 and 381. All experiments were on C3- $\mu$Es in 10 mM ionic strength phosphate buffer, pH 7.1. Legend on the right.