

Electronic Supplementary Information for “Microstructural response of dilute colloidal gels to nonlinear shear deformation” by Bharath Rajaram and Ali Mohraz

3D microstructural evolution of dilute, depletion-induced colloidal gels under shear deformation. Each frame of the movies depicts a $40.2 \times 38.0 \times 12.9 \text{ }\mu\text{m}^3$ snapshot of the gel microstructure in the flow-gradient-vorticity coordinate system. The flow direction is towards the right.

Movie S1-S3: Response of anchored gel systems under shear flow. Shear rate, $\dot{\gamma}$, = 3.5×10^{-2} , 7.0×10^{-2} , and $1.0 \times 10^{-1} \text{ s}^{-1}$ respectively.

Movie S4,S5: Response of freely suspended gel systems under shear flow. $\dot{\gamma} = 3.5 \times 10^{-2}$ and 7.0×10^{-2} respectively.