

Description of Additional Supplementary Files

Supplementary Movie 1:

Primitive path analysis applied to an aged FUS-PLD condensate at $T/T_{c,FUS} = 0.785$ revealing the topology of the underlying inter-protein β -sheet binding network which has completely percolated through the phase-separated system. The aged condensate is kinetically arrested and presents gel-like behaviour.

Supplementary Movie 2:

Primitive path analysis applied to an aged FUS-PLD condensate at $T/T_{c,FUS} = 0.861$ revealing the topology of the underlying inter-protein β -sheet binding network which has not fully percolated. The phase-separated condensate presents liquid-like behaviour at long timescales.