

## Description of Additional Supplementary files

**Supplementary movie 1:** Liquid-liquid phase separation and fusion of Albumin (Alb) Time-lapse movie showing the condensate formation of Alb. The movie shows an increase in condensate size over time due to fusion. The experiment is performed two times with similar observations.

**Supplementary movie 2:** Liquid-liquid phase separation and fusion of Ubiquitin (Ub) Time-lapse movie showing condensate formation of Ub. The movie shows an increase in condensate size over time due to fusion. The experiment is performed two times with similar observations.