



Supplementary information, Figure S4. Droplet formation by LLPS of p62 and Myo1D, related to Figure 3

(a) Droplets formed by LLPS of p62 (10 μ M) or p62- Δ PB1 (10 μ M) in the presence of Ub8 (6 μ M) and Myo1D (1 μ M) *in vitro*. Scale bar, 5 μ m.

(b) Droplets formed by LLPS of p62 (10 μ M) in the presence of Ub8 (6 μ M) and of full-length Myo1D, Myo1D IQ-TH1, Myo1D IQ, Myo1D TH1, Myo1D Motor-IQ or Myo1D Motor (1 μ M) *in vitro*. Scale bar, 5 μ m.

(c) Representative sedimentation analysis showing Myo1D fragments concentrated in the soluble phase (S) or condensed phase (P). Results were analyzed by western blotting using anti-His tag antibody.

(d) EGFP-fused full-length Myo1D, Myo1D K108R, Myo1D Motor-IQ, Myo1D IQ-TH1, Myo1D IQ, or Myo1D TH1 was transiently expressed with tdTomato-p62 in wild-type NRK cells. Boxed regions are enlarged. Scale bar, 10 μm .