

**Movie S1. TDP-43 macroaggregate clearance.** Live cell imaging of stable SH-SY5Y lines induced to form EGFP-TDP-43 ΔNLS aggregates by 48-h induction with DOX plus MG132 then washed out and followed for a further 15 in the presence of vehicle. Large aggregates fragmented and were cleared. Each frame of the video represents 1 h of imaging, total 15 h.



**Movie S2. TDP-43 macroaggregate clearance requires autophagy.** Live cell imaging of stable SH-SY5Y lines induced to form EGFP-TDP-43 ΔNLS aggregates by 48 h induction with DOX plus MG132 then washed out and followed for a further 15 in the presence of bafilomycin. Large aggregates fragmented but fragments persisted under autophagy inhibition. Each frame of the video represents 1 h of imaging, total 15 h.