

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: BAG2 condensates in stable SH-SY5Y cells. This video shows fusion of clover-BAG2 granules over time. Image-deconvolution algorithms were applied using the Huygens Essential software followed by blend mode in Imaris software (Opacity applied to voxels – 3D impression).

File Name: Supplementary Movie 2

Description: Hyperosmotic stress induces BAG2 condensates in stable SH-SY5Y cells. This video shows clover-BAG2 granules formation before (first frame) and after Stress (Sucrose, 125mM) over time.

File Name: Supplementary Movie 3

Description: BAG2 condensates under Sodium arsenite treatment in stable SH-SY5Y cells. This video shows clover-BAG2 granules clearance after sodium arsenite exposure, a known SG inducer (NaAsO₂, 500 μM) over time.

File Name: Supplementary Movie 4

Description: BAG2 condensates and Tau on the microtubules in transient transfected SH-SY5Y cells. This video shows clover-BAG2 condensates on the microtubules (ruby-Tau) over time. Blend mode (Opacity applied to voxels – 3D impression) were applied using the Imaris software.

File Name: Supplementary Movie 5

Description: BAG2 condensates and Tau following vinblastine treatment in stable SH SY5Y cells. This video shows clover-BAG2 condensates and ruby Tau after vinblastine exposure, a microtubule depolymerizing agent, over time. Vinblastine markedly increased BAG2 condensation.