

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Code for calculating RT-stop scores and cleavage protection scores.

File name: Supplementary Data 2

Description: Quantitative density gradient analysis by mass spectrometry (qDGMS) of mitochondrial lysates from parental and MRM2 knock-out cells.

File name: Supplementary Movie 1

Description: Inspection of structural heterogeneity in mtLSU particles in the absence of MRM2. UMAP visualisation of the latent space is presented on the right, with the on-data cluster centres represented as diamonds. The latent space exploration path through cluster centres (in no particular order) can be followed by a red dot, which corresponds to the volume (latent space representation) shown on the left. All volumes are presented with the same isosurface threshold.