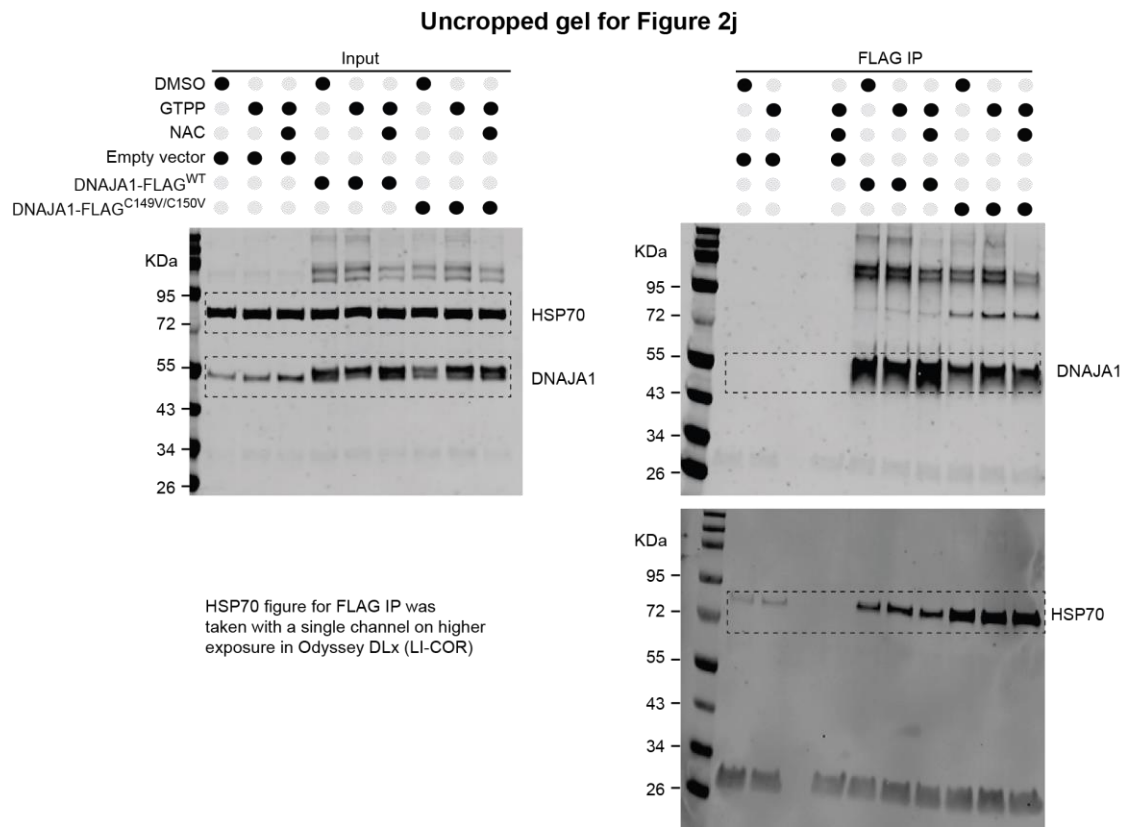
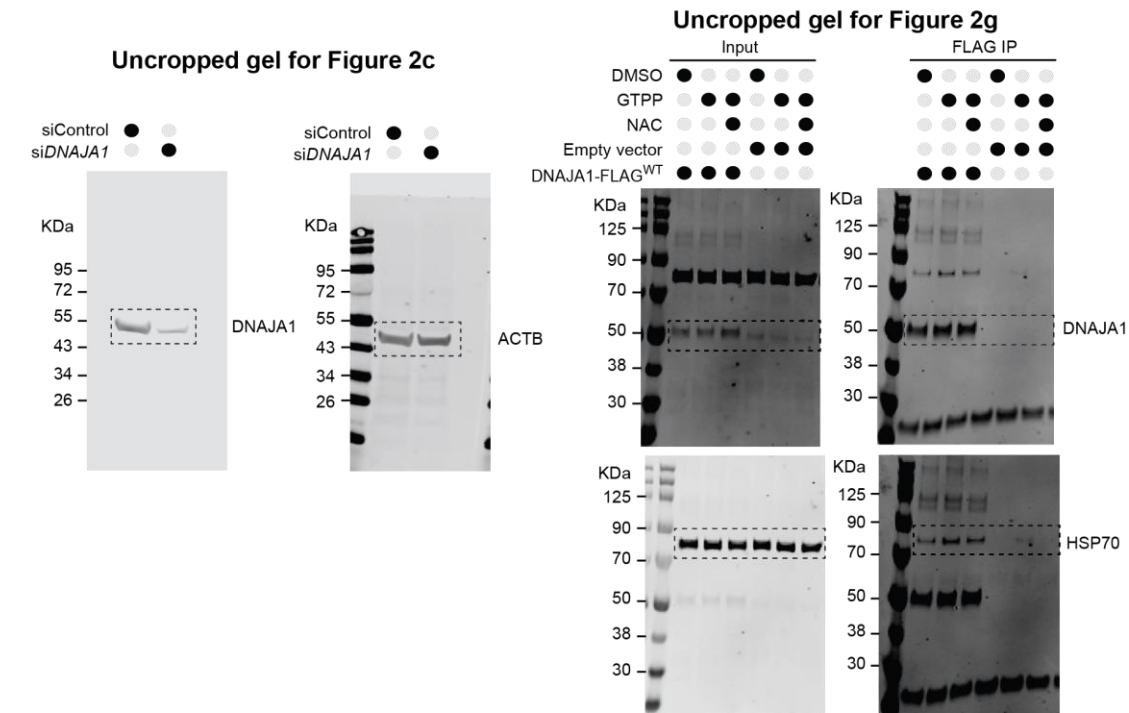

Supplementary information

A cytosolic surveillance mechanism activates the mitochondrial UPR

In the format provided by the
authors and unedited

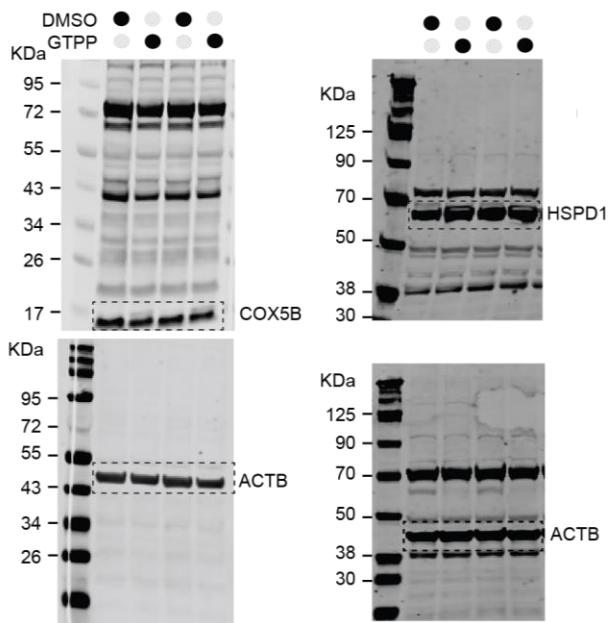
Supplementary Figure 1. Uncropped gel scans. Cropped version of the gel images are indicated with the dotted line.

Gel source data for Figure 2



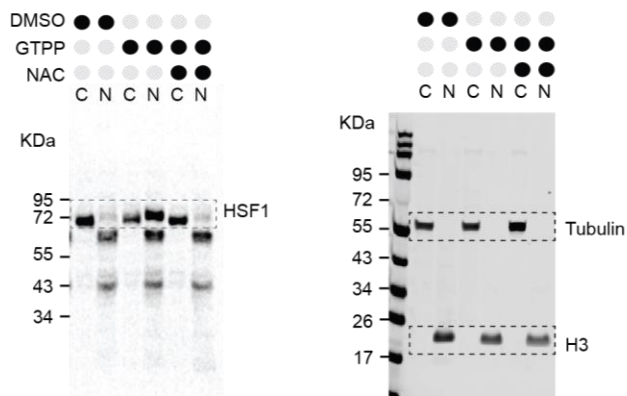
Gel source data for Figure 3

Uncropped gel for Figure 3a

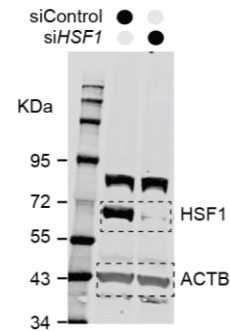


Loading controls were run in separate gels

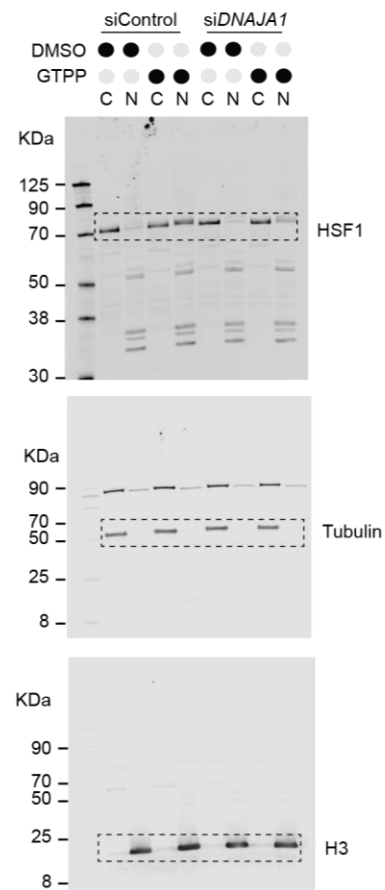
Uncropped gel for Figure 3f



Uncropped gel for Figure 3e

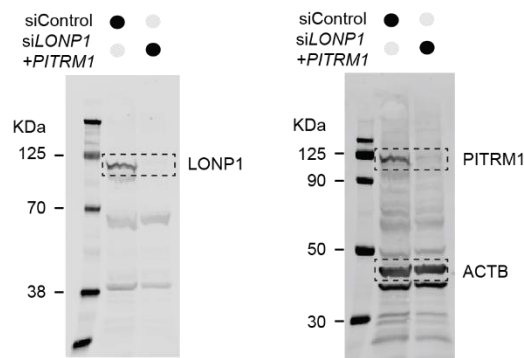


Uncropped gel for Figure 3h



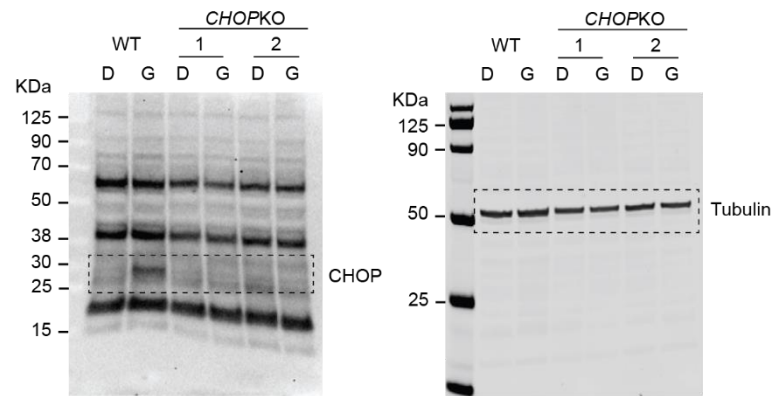
Gel source data for Figure 4

Uncropped gel for Figure 4m

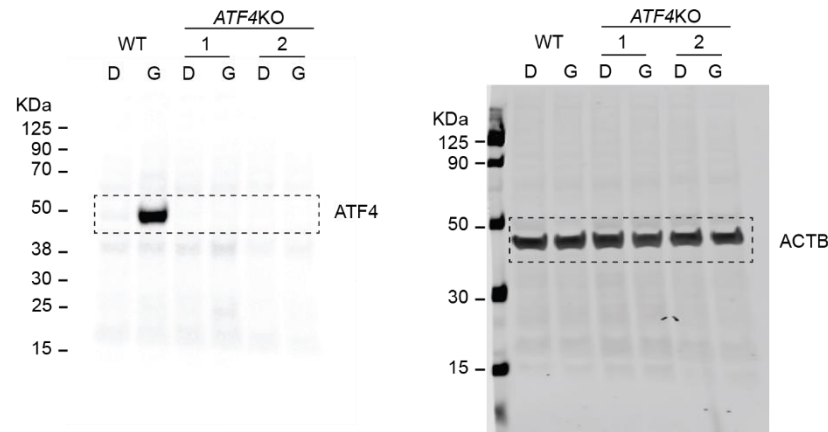


Gel source data for Extended Data Figure 1

Uncropped gel for Figure 1e

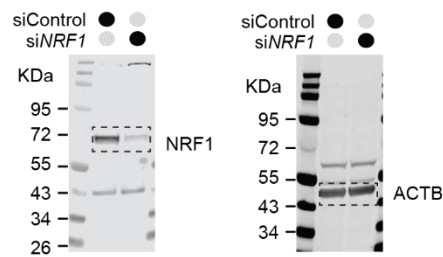


Uncropped gel for Figure 1f



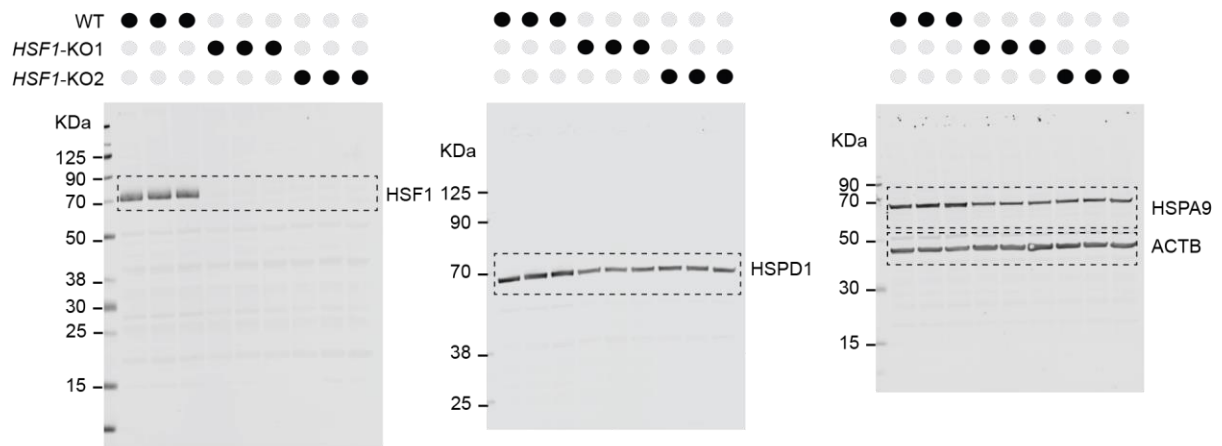
Gel source data for Extended Data Figure 6

Uncropped gel for Figure 6a

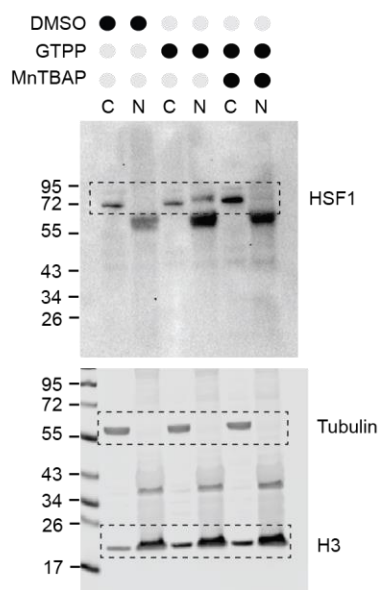


Gel source data for Extended Data Figure 7

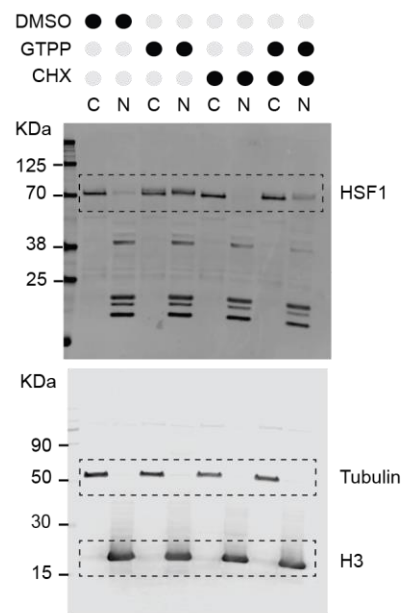
Uncropped gel for Figure 7a



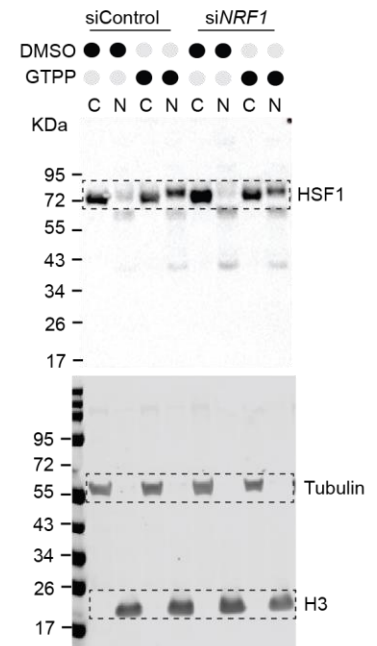
Uncropped gel for Figure 7f

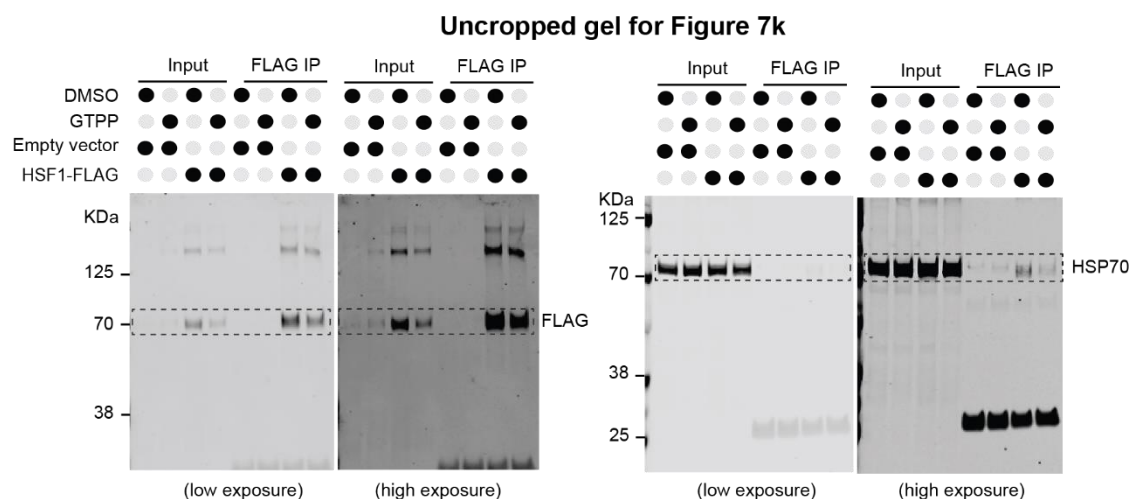


Uncropped gel for Figure 7g

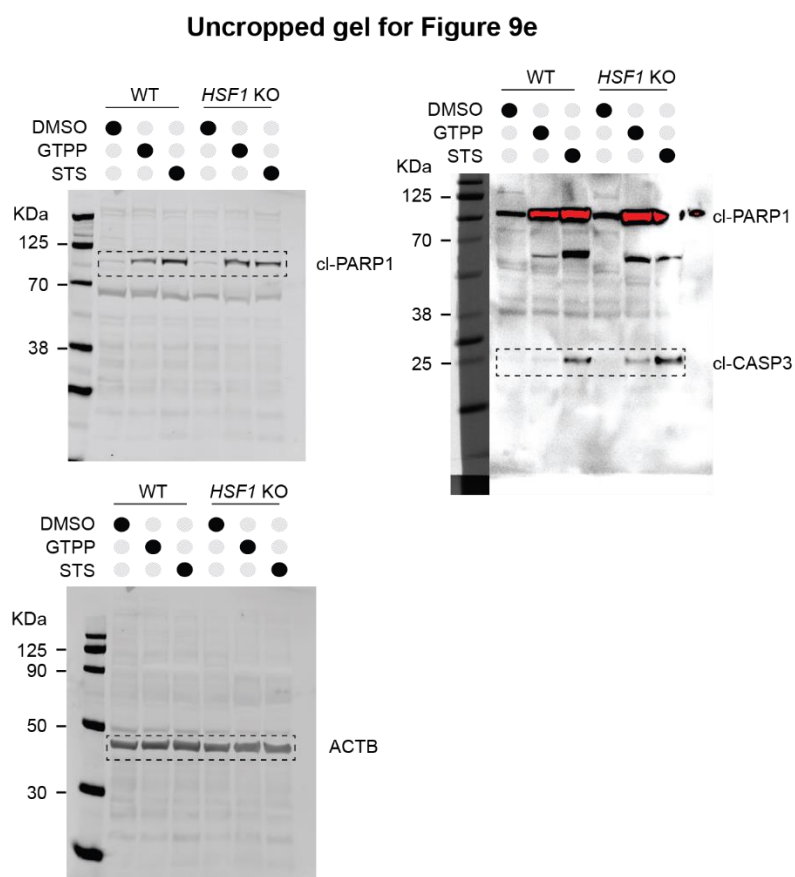


Uncropped gel for Figure 7i



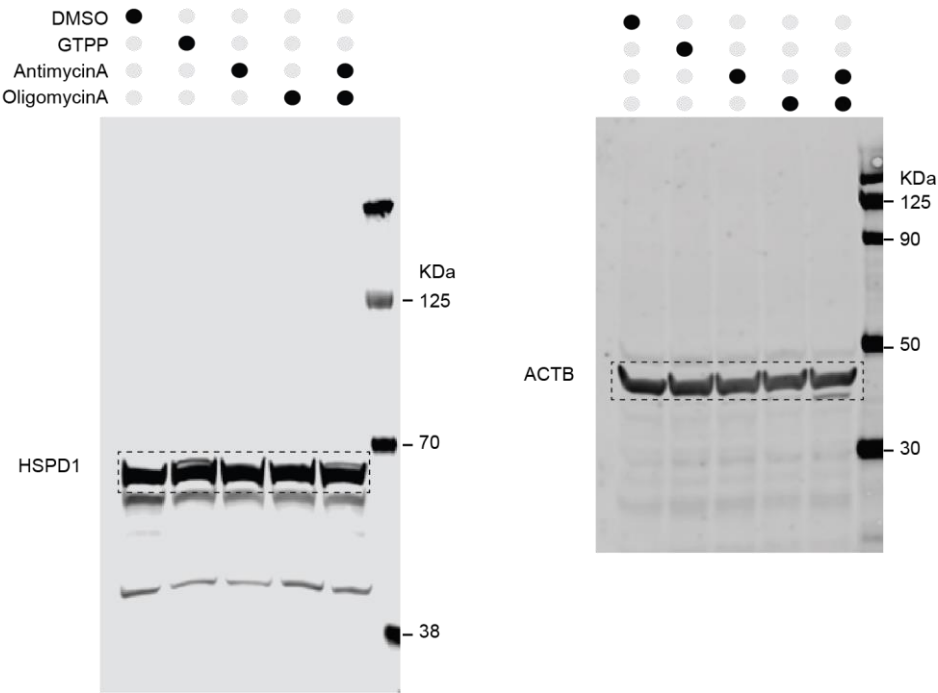


Gel source data for Extended Data Figure 9

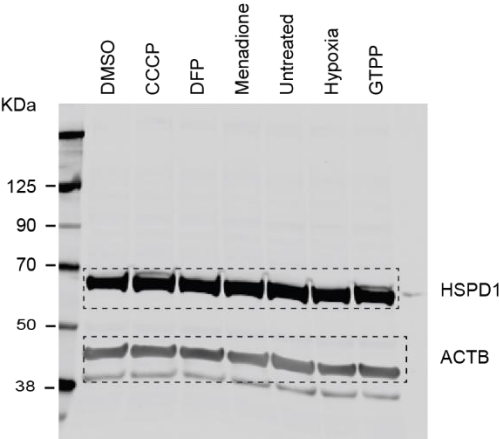


Gel source data for Extended Data Figure 10

Uncropped gel for Figure 10b

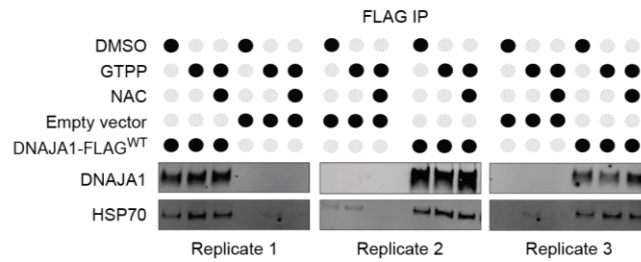


Uncropped gel for Figure 10k

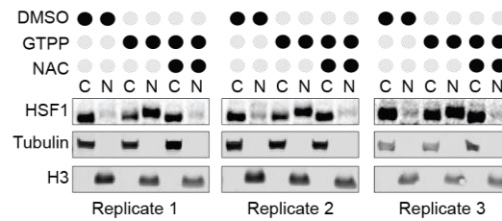


Supplementary Figure 2. All gel images used for quantification.

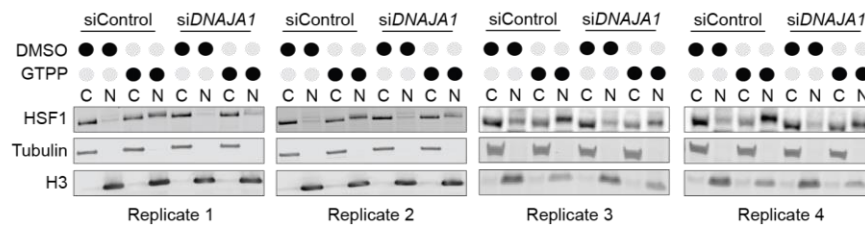
Supplementary Information for Figure 2h



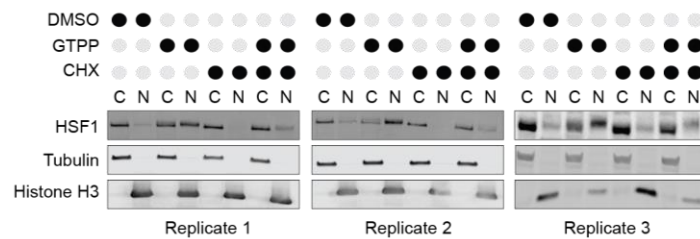
Supplementary Information for Figure 3g



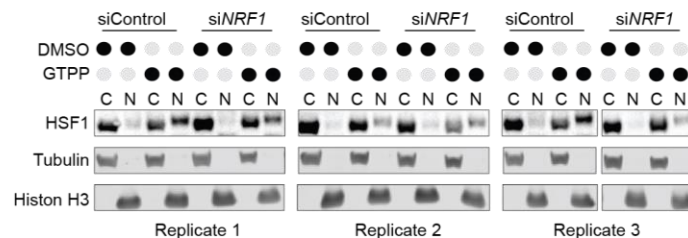
Supplementary Information for Figure 3i



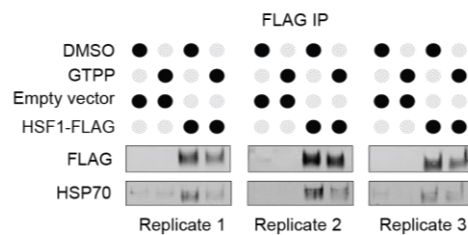
Supplementary Information for Extended Data Figure 7h



Supplementary Information for Extended Data Figure 7j

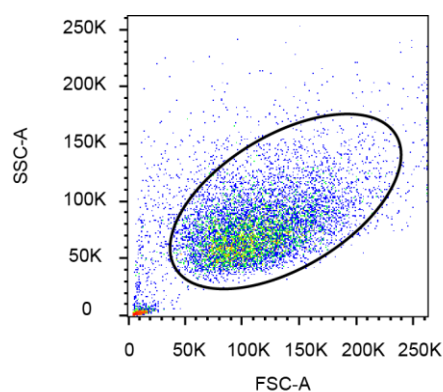


Supplementary Information for Extended Data Figure 7I

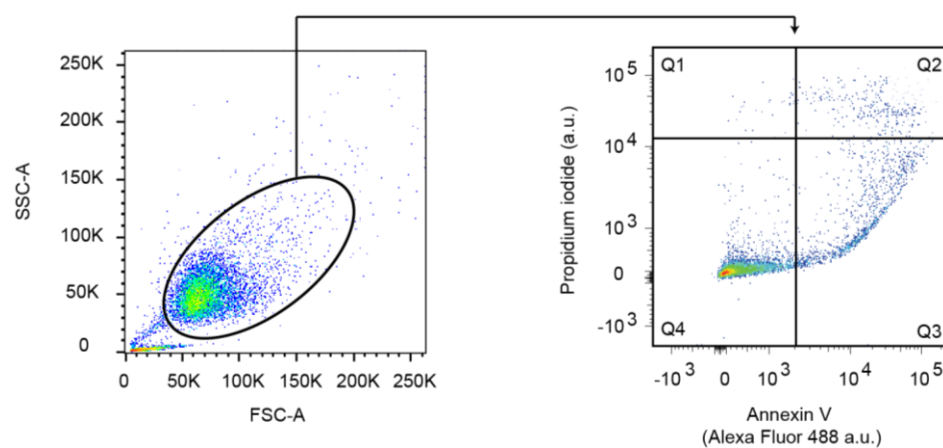


Supplementary Figure 3. Examples for gating strategy of flow cytometry analysis.

Gating example for ROS measurement with MitoSOX (Fig. 1c, Extended Data Fig. 2f, g, i, k, m, 10a, j)



Gating example for cell death measurement with Alexa Fluor 488 Annexin V (Extended Data Fig. 5f)



Supplementary Table 4. Primer list for qPCR analysis

Target gene	Direction	Sequence
<i>HSPD1</i>	fwd	CGTCTTGAATAGGCTAAAGG
	rev	TGAACGTCTTCAAGATTCAG
<i>HSPE1</i>	fwd	TTCTAAAGGAAAGGGTGGAG
	rev	TCAGTCTACGTACTTTCCAAG
<i>LONP1</i>	fwd	GAGACCAATATTCCTAAGCG
	rev	CTTGATGATCTTTAGCTGCTC
<i>HSPA9</i>	fwd	CAATGGGGATACCTTCTTAG
	rev	ATAGGGCAAATTGATGTCAG
<i>ATF4</i>	fwd	CCTAGGTCTCTTAGATGATTACC
	rev	CAAGTCGAACTCCTTCAAATC
<i>NDUFA4</i>	fwd	AATTTTtagCTTAGGGCCTG
	rev	ATACAAAGAGGGGGATCAAG
<i>UQCRC2</i>	fwd	GTGAGTCATCCTGTTCTAAAG
	rev	CATTTCTGTTCTCGGATTTCAC
<i>SDHA</i>	fwd	AGCATGCAGAAGTCAATG
	rev	ATTTTCCCACAACCTTCTTG
<i>DDIT3</i>	fwd	CTTTTCCAGACTGATCCAAC
	rev	GATTCTTCCTCTTCATTTCCAG
<i>DNAJA2</i>	fwd	ACAGGAACAAAACATAACCC
	rev	TTCGAGGCACTCCTAATATC
<i>DNAJB1</i>	fwd	TTAAGAGAGATGGCTCTGATG
	rev	CTTTGAATACGACGGGTATC
<i>NRF1</i>	fwd	CCACACATAGTATAGCTCATC
	rev	TACCAACCTGGATAAGTGAG
<i>HSPA1A</i>	fwd	AATTTCTGTGTTTGCAATG
	rev	AAAATGGCCTGAGTTAAGTG
<i>ATF5</i>	fwd	CATGGAGTCTTCCACTTTC
	rev	GGAGTGACATGGCTGTAG
<i>TRIB3</i>	fwd	GACCGTGAGAGGAAGAAG
	rev	GAGTATCTCAGGTCCCAC
<i>CHAC1</i>	fwd	TGAAGATCATGAGGGCTG
	rev	CGCAGCAAGTATTCAAGG