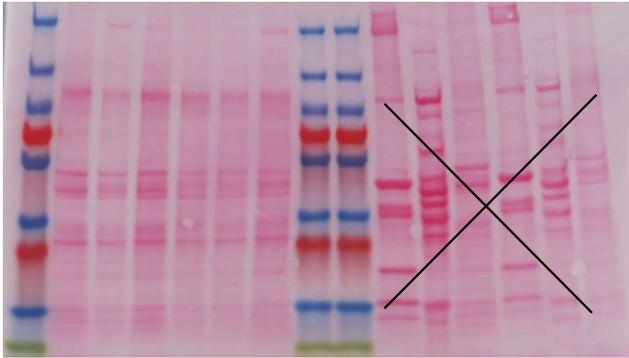
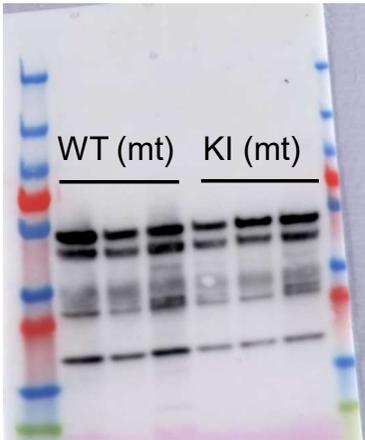


Full unedited blot for figure 5D

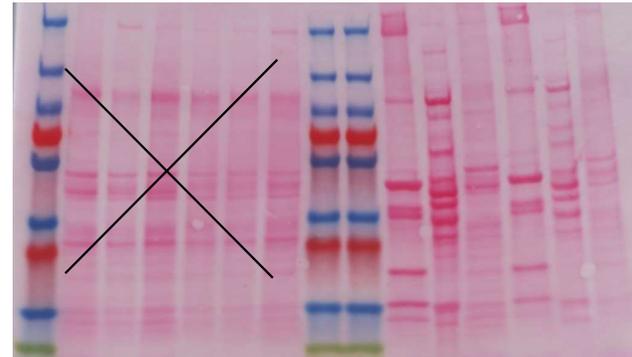
WT (mt) KI (mt)



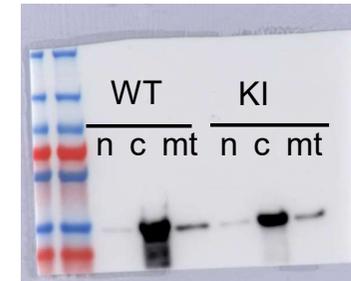
Primary antibody: anti-OXPHOS (mouse 1:1000, Thermofisher Scientific, #45-8099)



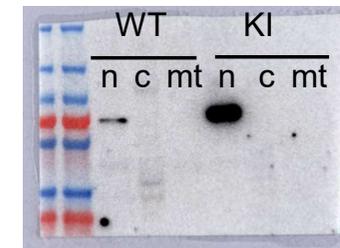
WT KI
n c mt n c mt



Primary antibody: anti-GAPDH (mouse, 1:1000, MERCK, #MAB374)

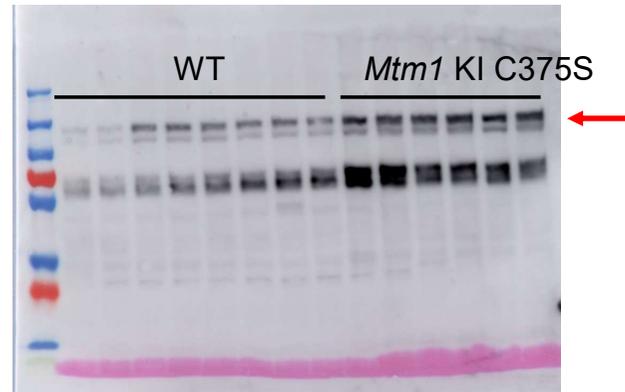
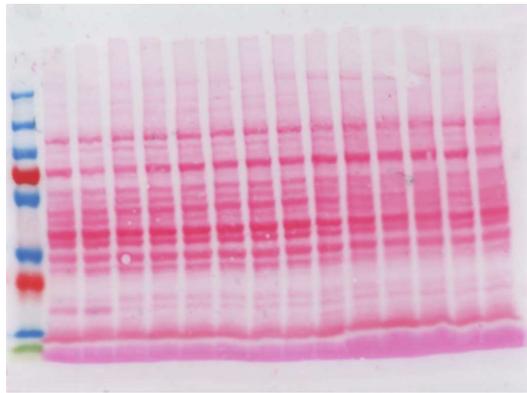


Primary antibody: anti-Lamin A (rabbit, 1:800, abcam, ab26300)



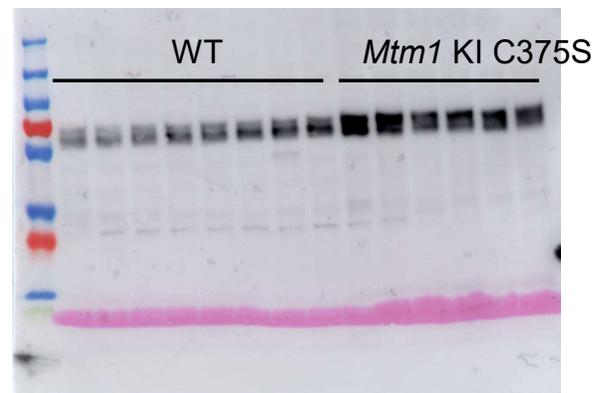
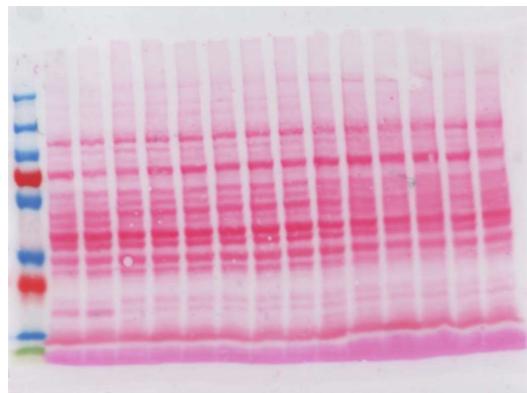
Full unedited blot for figure 6A

Primary antibody: anti-DNM2 (rabbit 1:1000, homemade targeting the proline-rich domain, 2865)



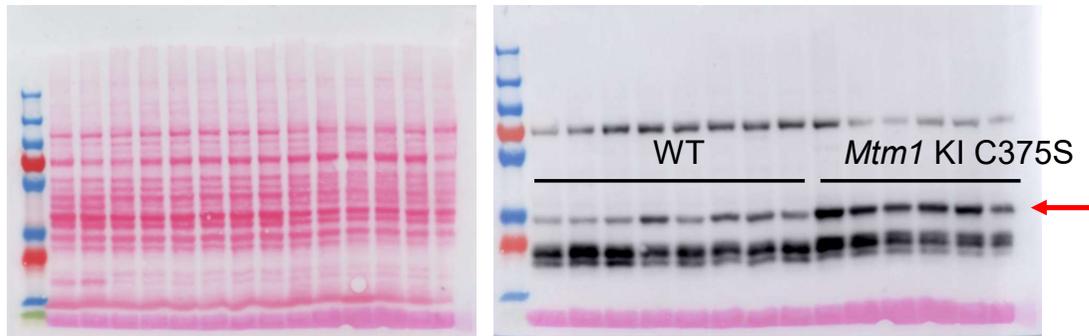
Full unedited blot for figure 6C

Primary antibody: anti-BIN1 (rabbit, 1:1000, R3623; homemade targeting the SH3 domain, #3623)



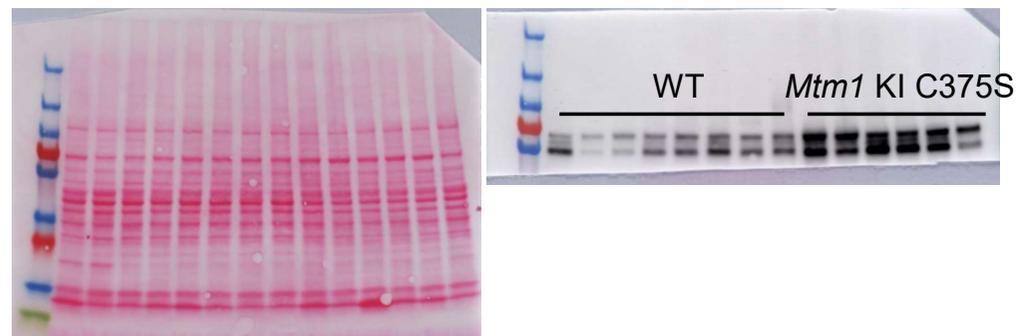
Full unedited blot for figure 7A

Primary antibody: anti-phospho-S6 Ribosomal Protein (Ser235/236) (rabbit, 1:1000, Cell Signaling Technology, #2211)

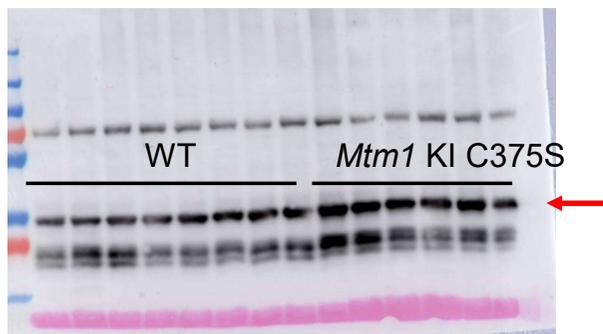


Full unedited blot for figure 7B

Primary antibody: anti-phospho-p70S6 (mouse, 1:1000, Cell Signaling Technology, #9206)



Primary antibody: anti-S6 Ribosomal Protein (rabbit, 1:1000, Cell Signaling Technology, #2217)

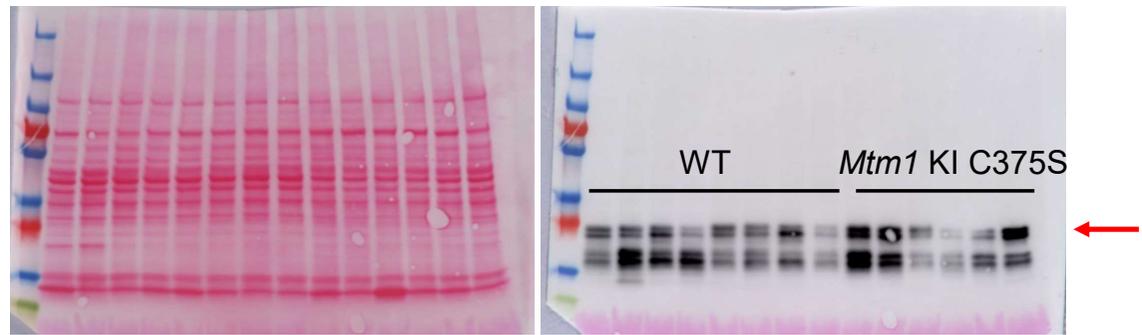


Primary antibody: anti-p70S6 (rabbit, 1:1000, Cell Signaling Technology, #2708)



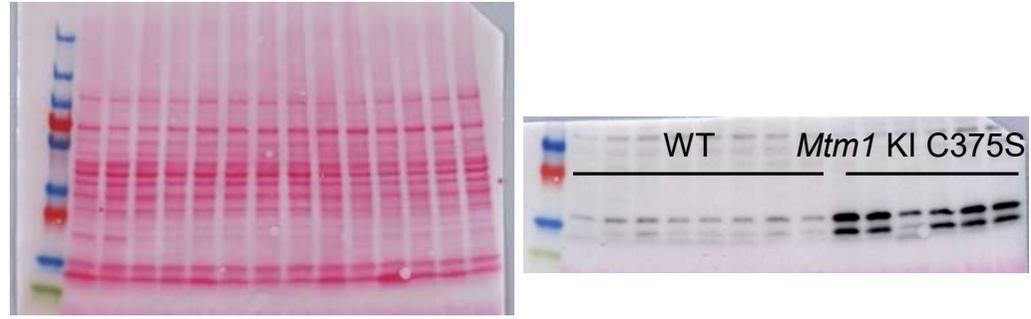
Full unedited blot for figure 7C

Primary antibody: anti-phospho-4EBP1 (rabbit, 1:1000, Cell Signaling Technology, #9459)

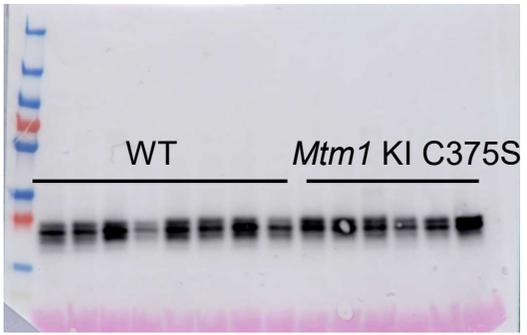


Full unedited blot for figure 7D

Primary antibody: anti-LC3 (rabbit, 1:1000, Cell Signaling Technology, #9206)

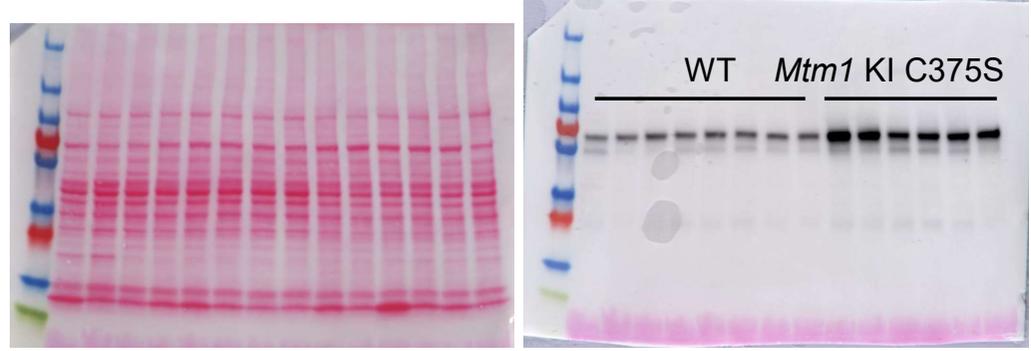


Primary antibody: anti-4EBP1 (rabbit, 1:1000, Cell Signaling Technology, #9644),



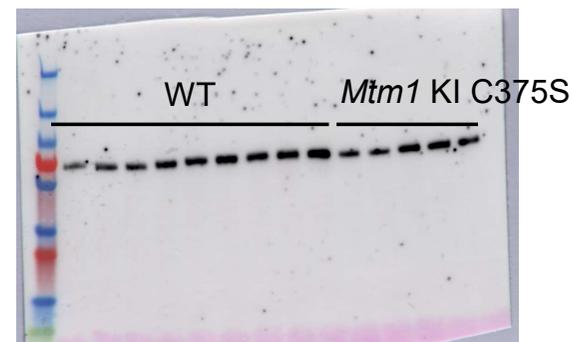
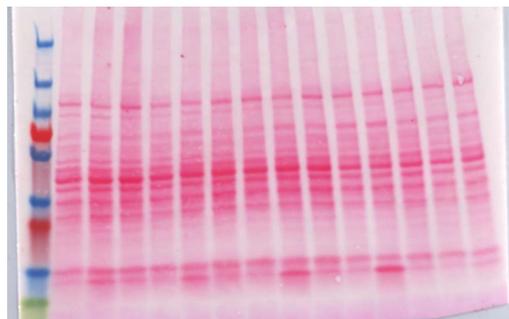
Full unedited blot for figure 7E

Primary antibody: anti-p62 (mouse, 1:1000, Novus Biologicals, #H00008878-M01)

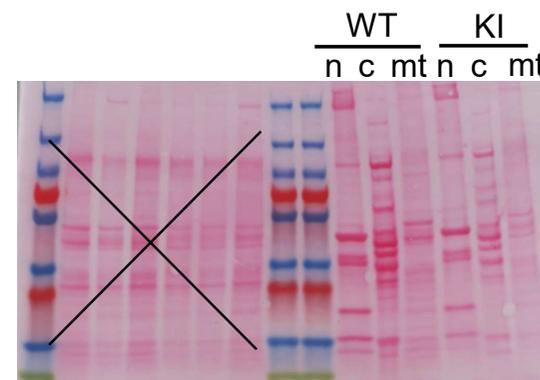
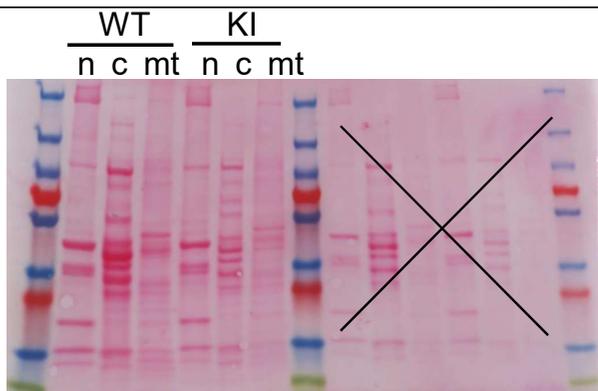


Full unedited blot for supplementary Figure 1A

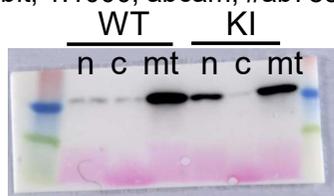
Primary antibody: anti-MTM1 (rabbit, 1:700, homemade targeting the C-terminal end, #2827)



Full unedited blot for supplementary Figure 1B



Primary antibody: anti-TOMM20 (rabbit, 1:1000, abcam, #ab78547)



Primary antibody: anti-MTM1 (rabbit, 1:700, homemade targeting the C-terminal end, #2827)



Primary antibody: anti-Lamin A (rabbit, 1:800, abcam, ab26300)

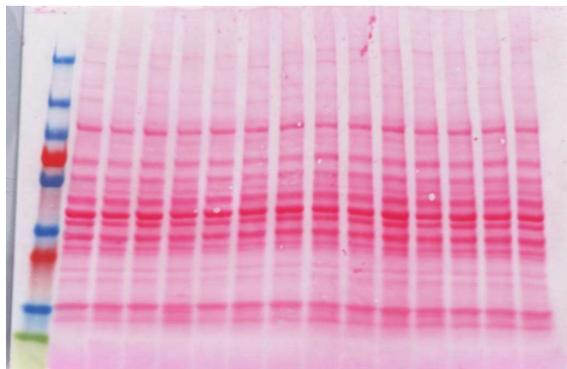


Primary antibody: anti-GAPDH (mouse, 1:1000, MERCK, #MAB374)



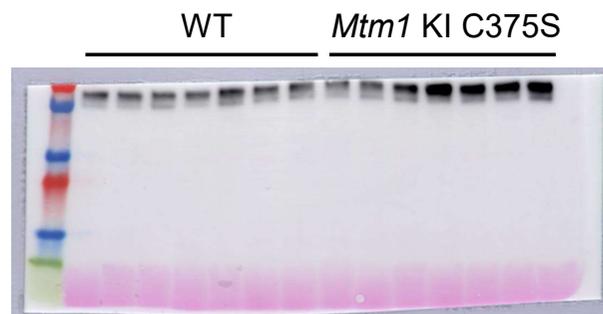
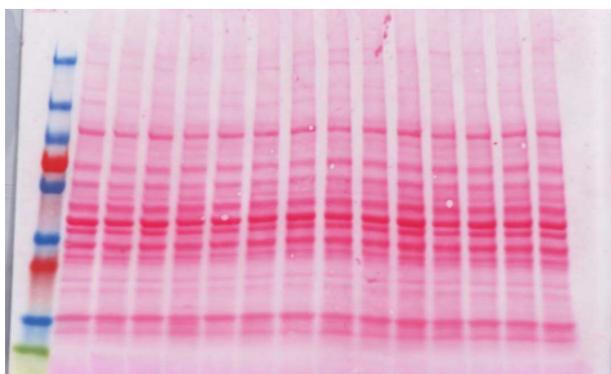
Full unedited blot for supplementary Figure 5F

Primary antibody: anti-DNM2 (rabbit 1:1000, homemade targeting the proline-rich domain, 2865)



Full unedited blot for supplementary Figure 5G

Primary antibody: anti-BIN1 (rabbit, 1:1000, R3623; homemade targeting the SH3 domain, #3623)



Full unedited blot for supplementary Figure 7A

Primary antibody: anti-prohibitin (rabbit 1:1000, abcam, #ab28172)

