
Supplementary information

**Defining mitochondrial protein functions
through deep multiomic profiling**

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Supplementary Information for: Defining mitochondrial protein functions through deep multi-omic profiling

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Supplementary Table Guide

Supplementary Table 1: Knockout targets, cell density measurements, KO cell class categories, and level of KO protein target in respective KO cells

Supplementary Table 2: MITOMICS quantitative dataset ($\log_2$ biomolecule intensities)

Supplementary Table 3: MITOMICS quantitative dataset ($\log_2$ fold-changes, standard deviations, and p-values)

Supplementary Table 4: IP-MS PYURF interactome

Supplementary Table 5: t-SNE MXP analysis results

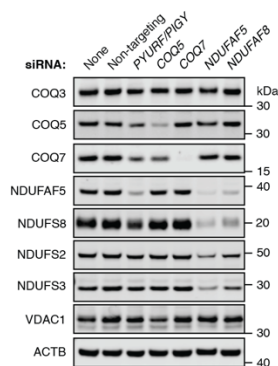
Supplementary Table 6: KO-specific phenotype (outlier) analysis results

Supplementary Table 7: Knockout cell lines and reagent lists

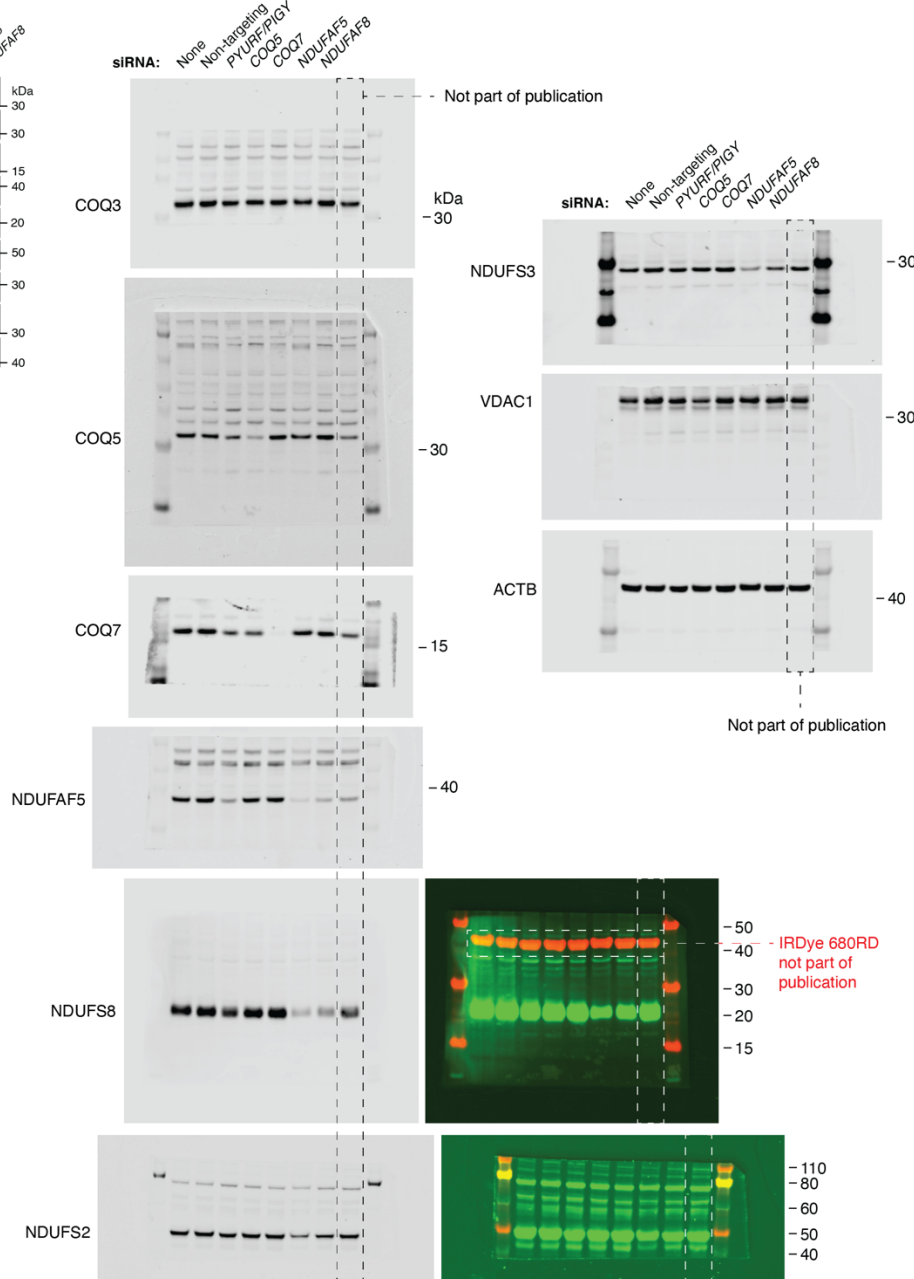
The tables above contain data underlying graphical representations used in figures.

Supplementary Figure 1
Related to: Figure 3e

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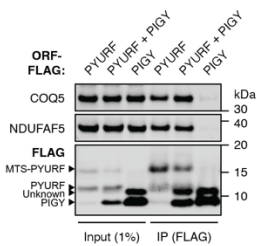
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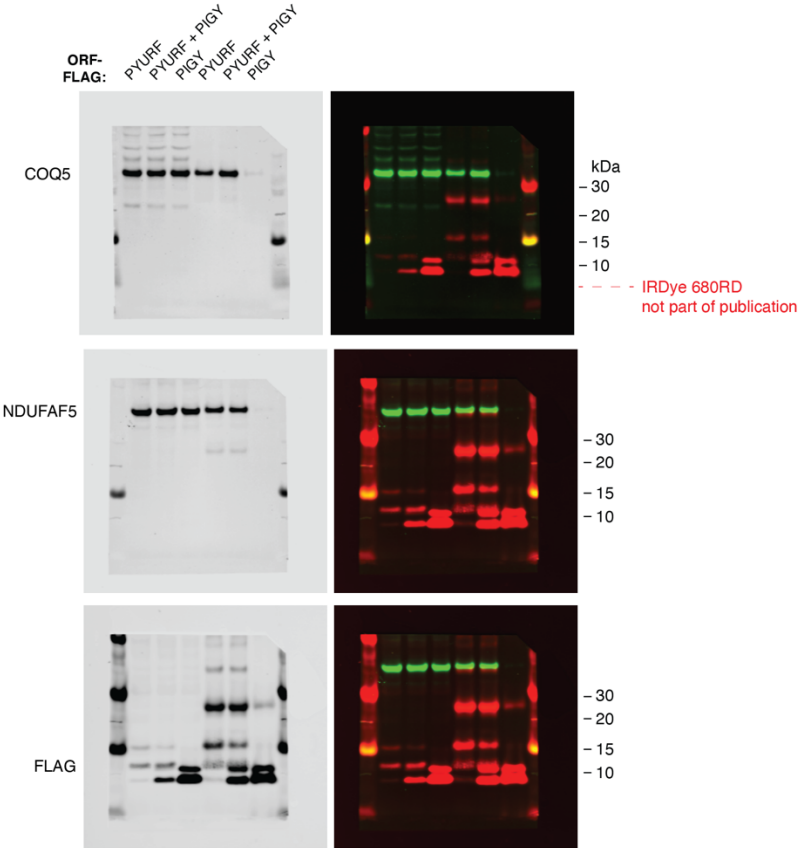
Supplementary Figure 1 | The uncropped versions of the cropped blots and gels in this study

Supplementary Figure 1, continued
 Related to: Figure 3g

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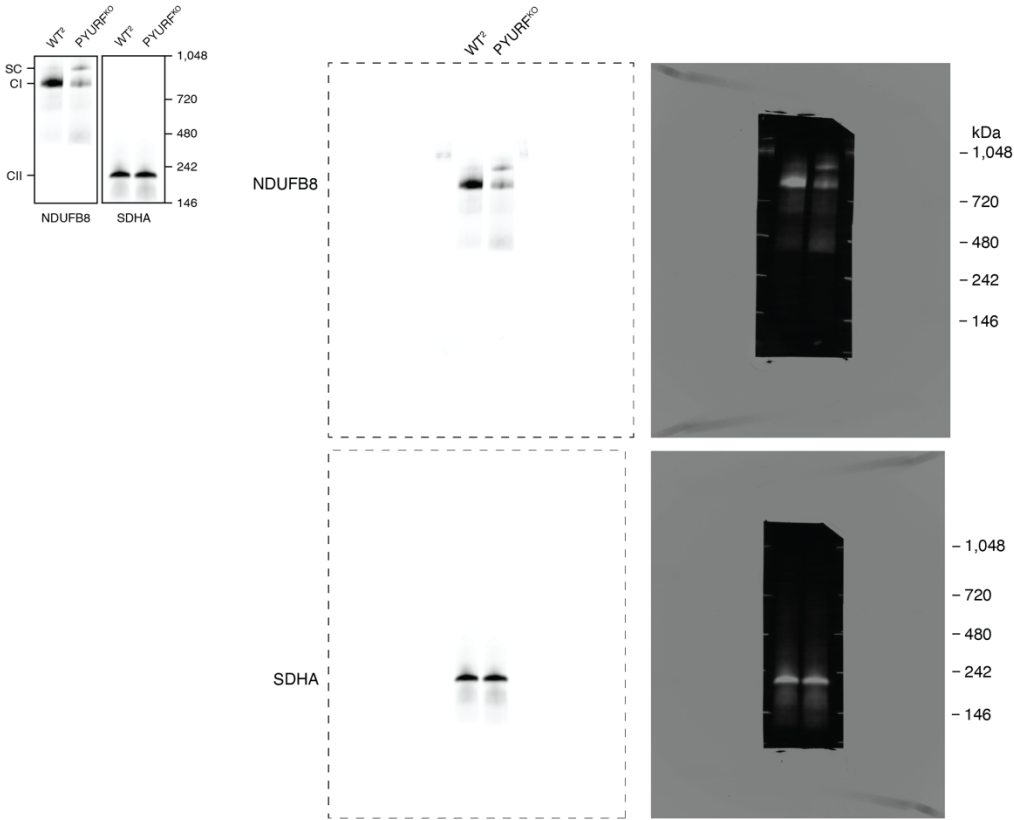
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Supplementary Figure 1, continued
Related to: Figure 3i

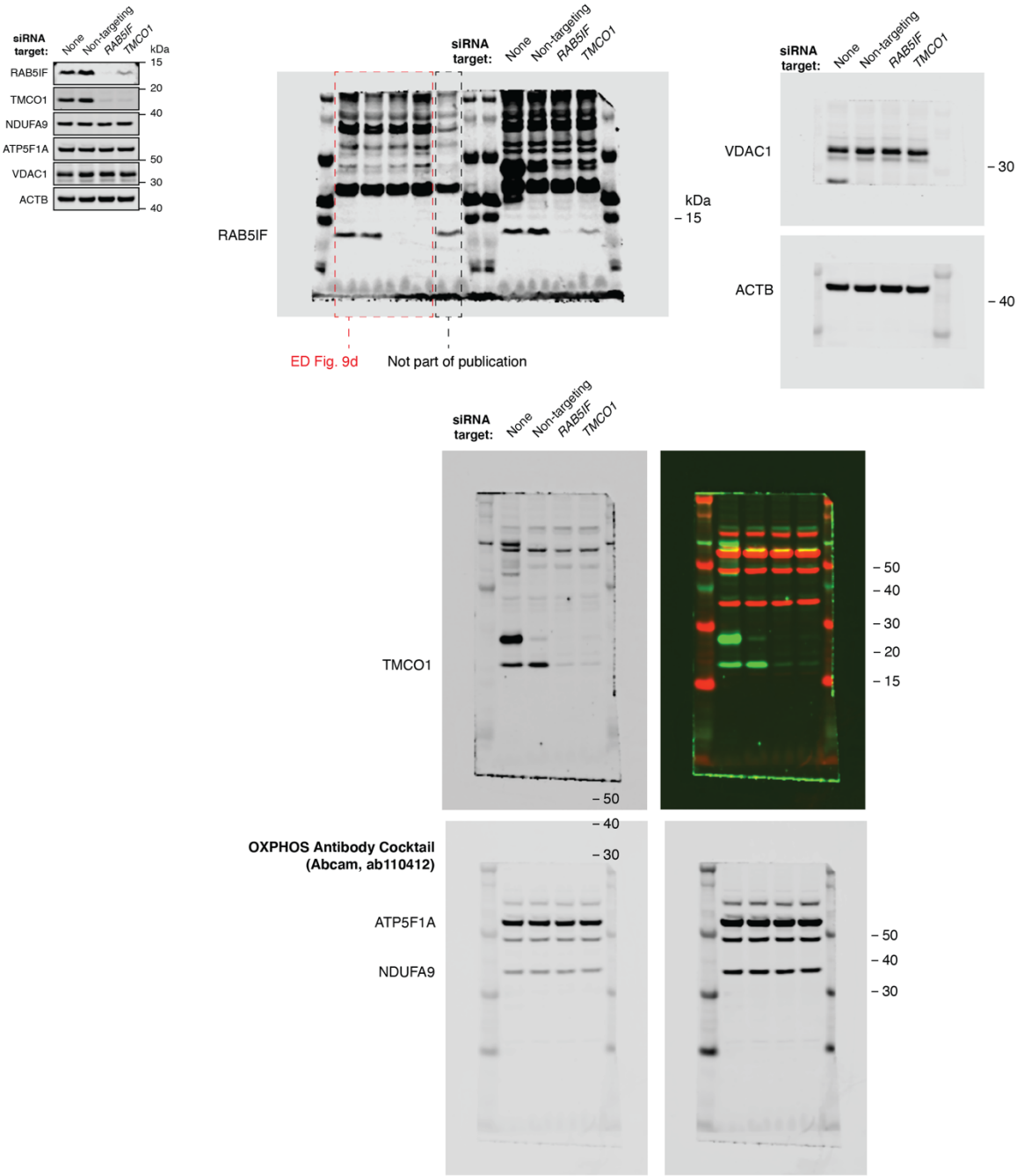
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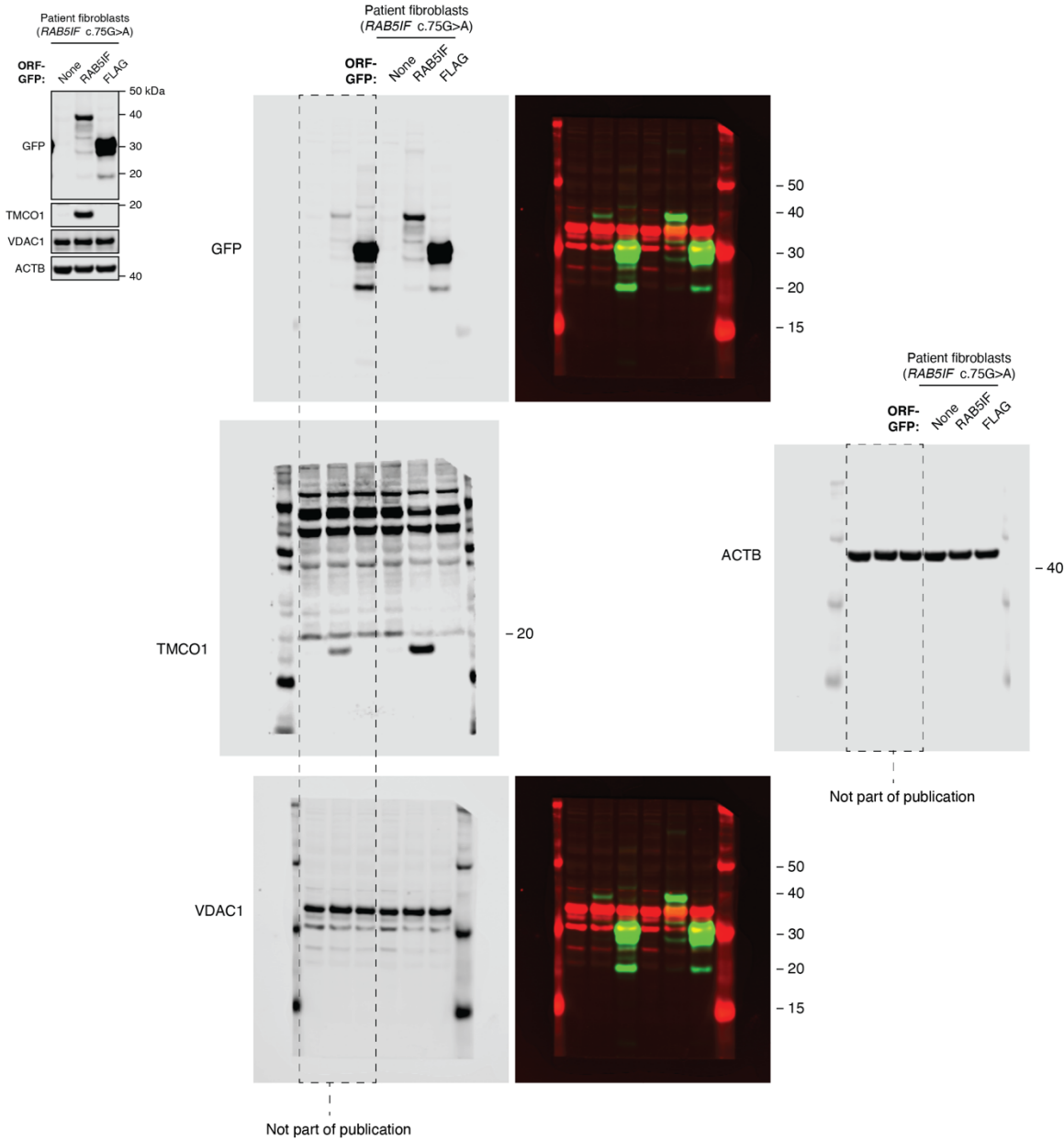
Supplementary Figure 1, continued
Related to: Figure 4h

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Supplementary Figure 1, continued
Related to: Figure 4I

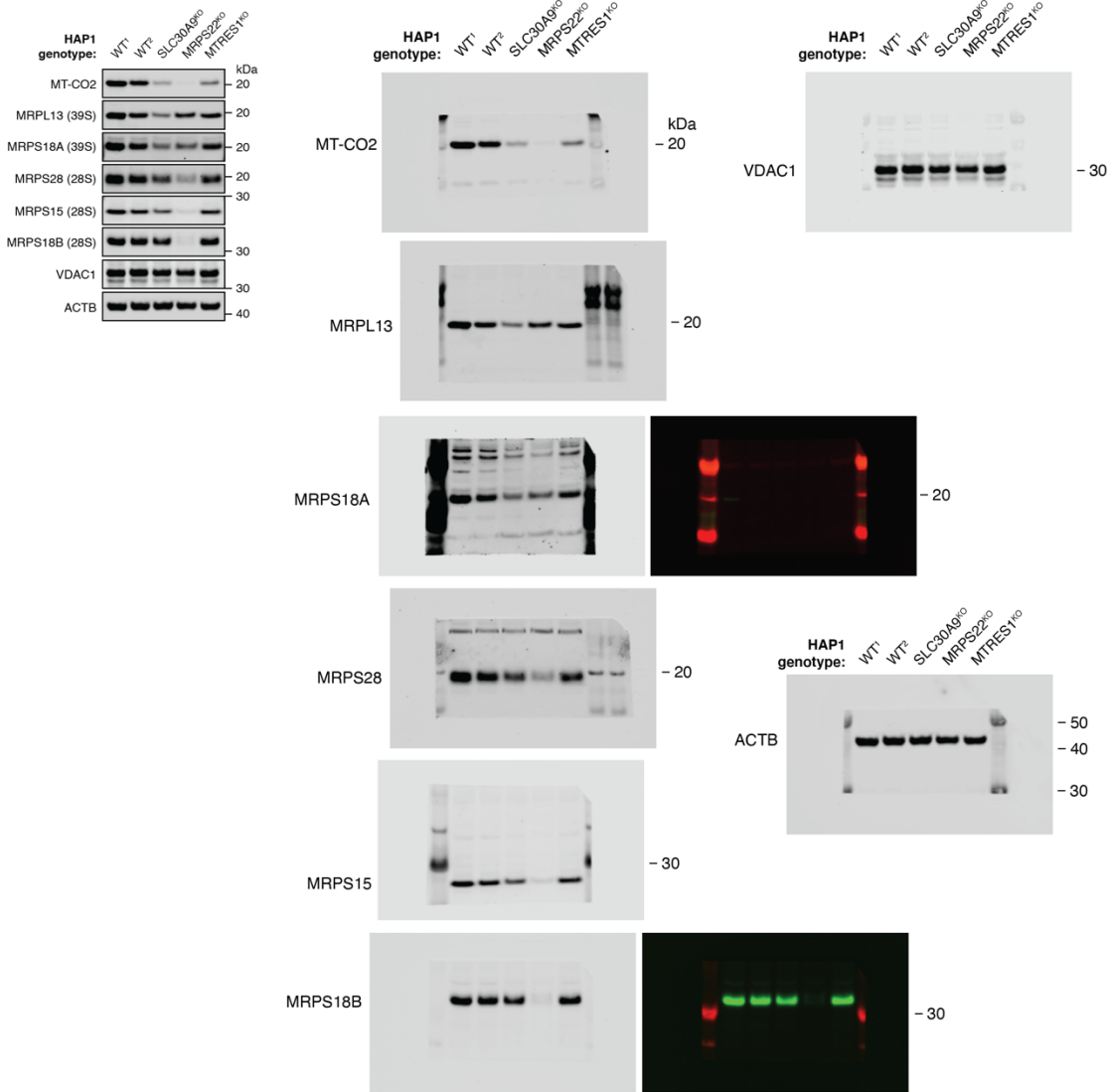
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Supplementary Figure 1, continued
Related to: Extended Data Figure 3b

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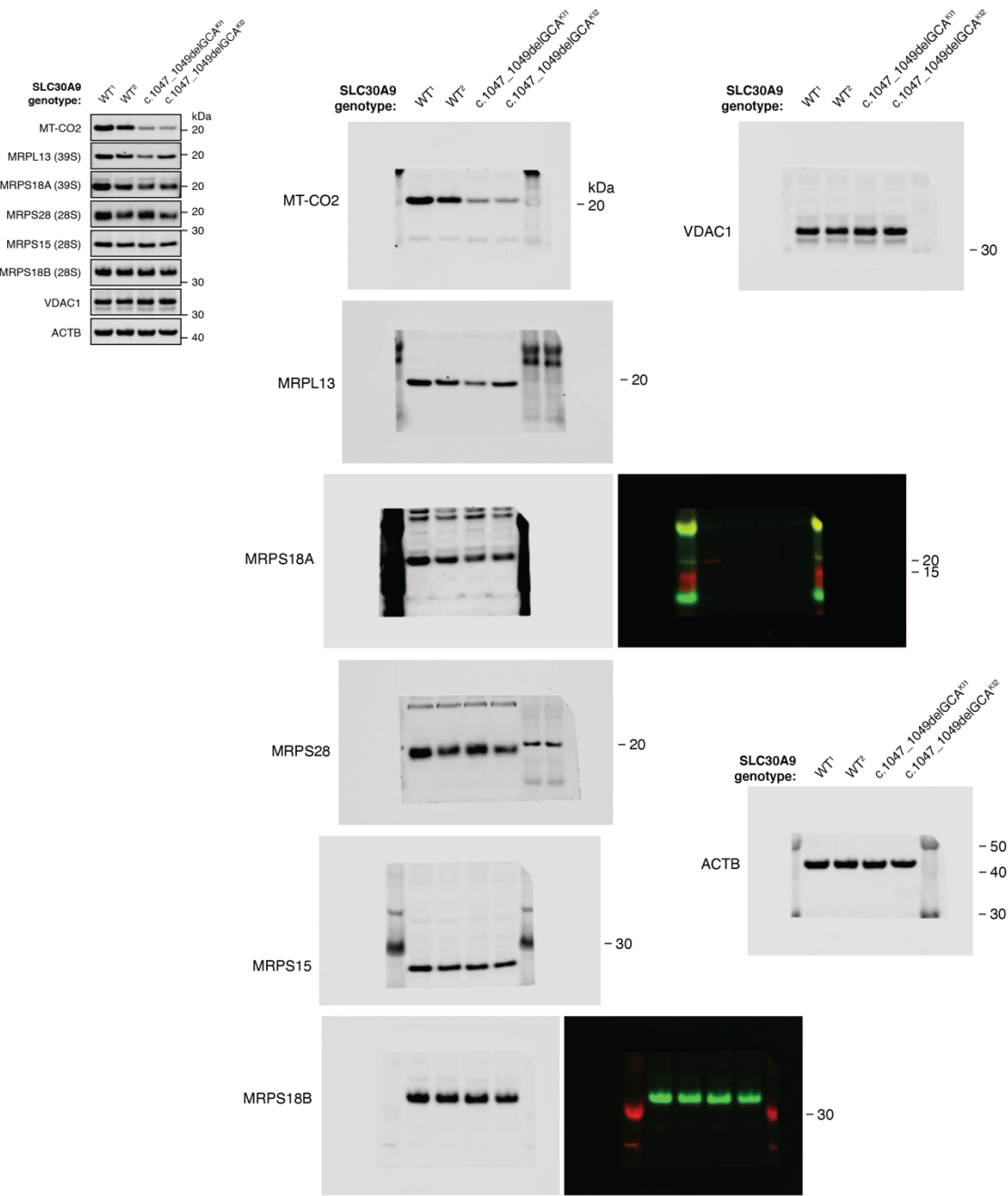
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Supplementary Figure 1, continued
Related to: Extended Data Figure 3c

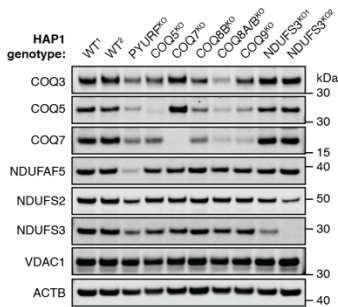
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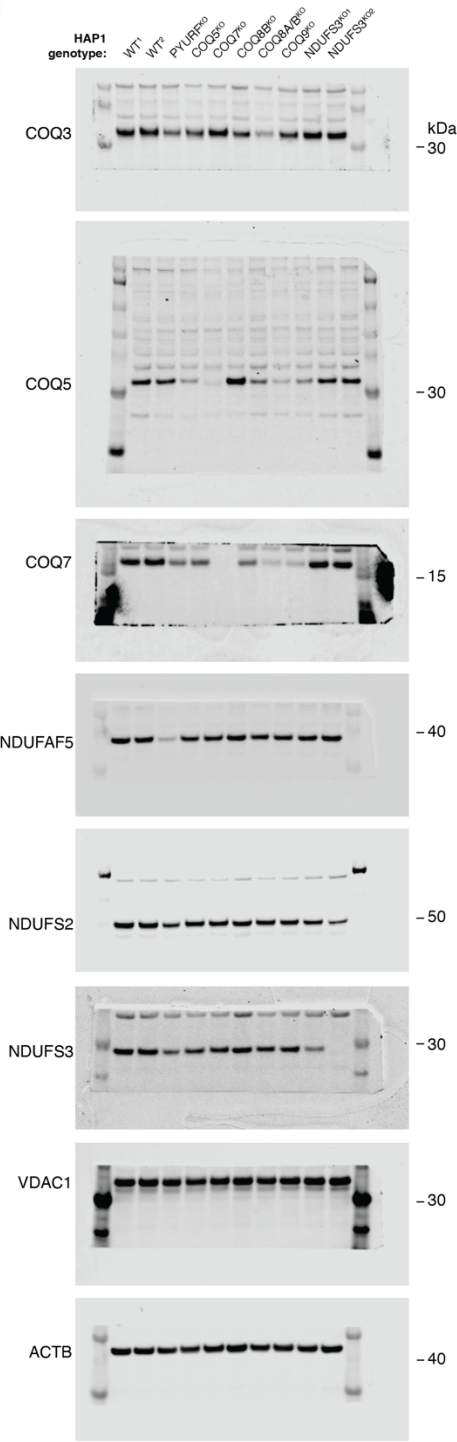


Supplementary Figure 1, continued
Related to: Extended Data Figure 5d

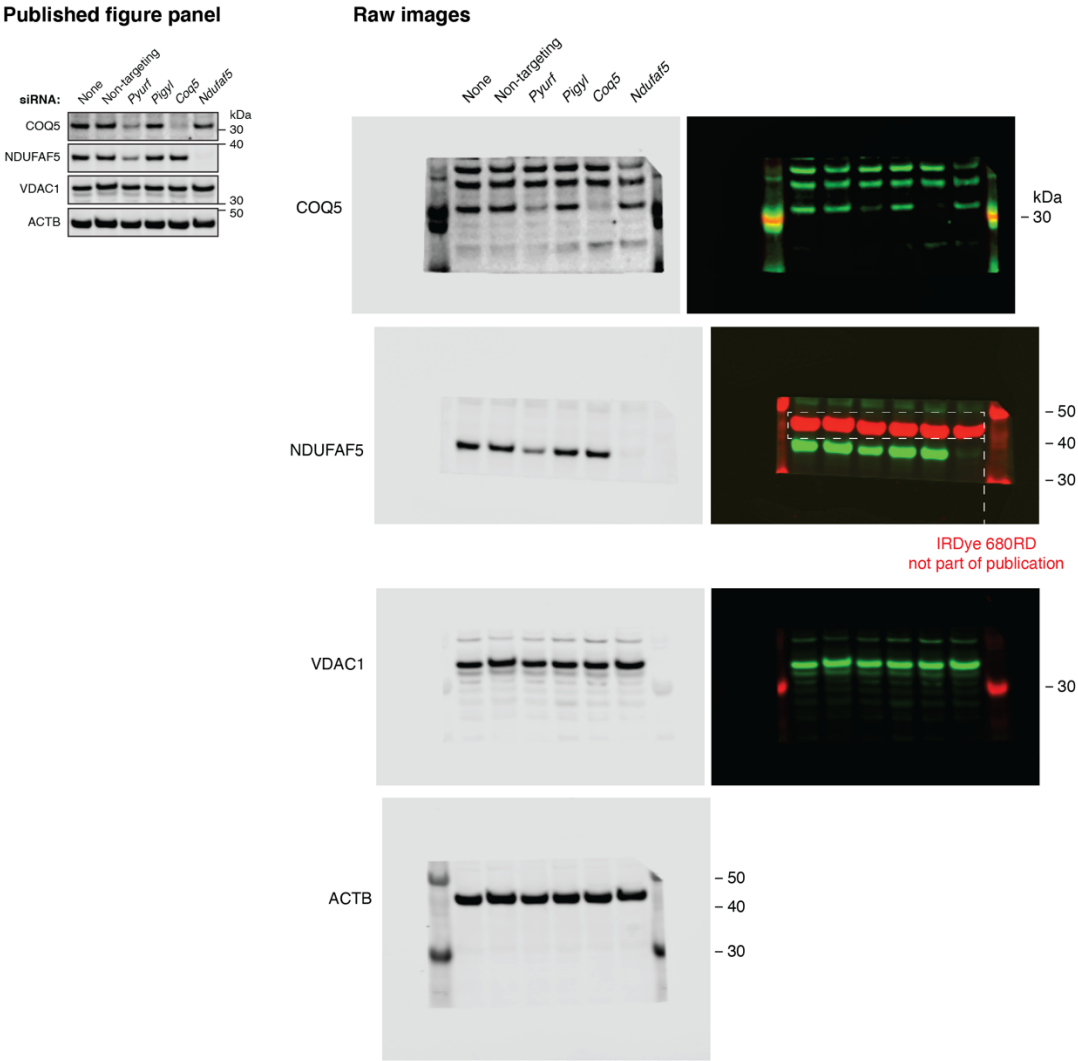
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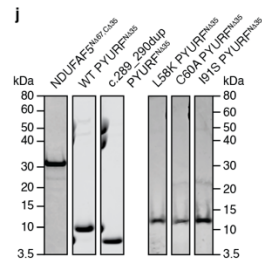
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 Related to: Extended Data Figure 5h



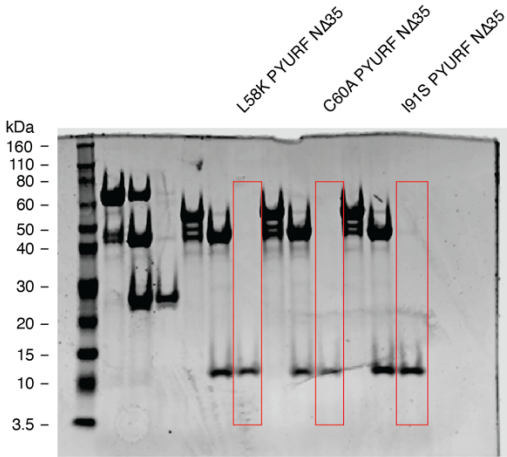
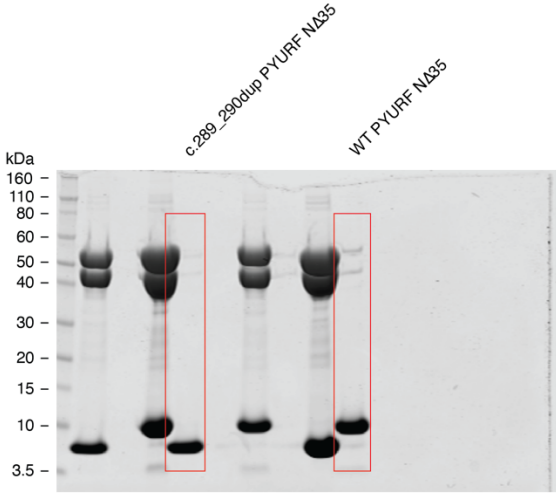
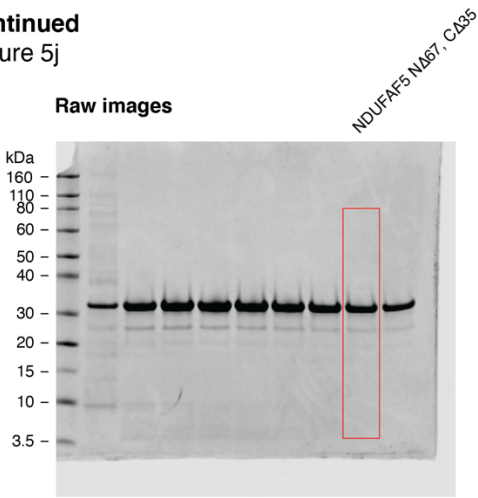
Supplementary Figure 1, continued

Related to: Extended Data Figure 5j

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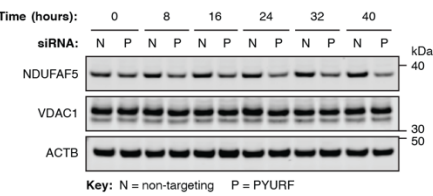


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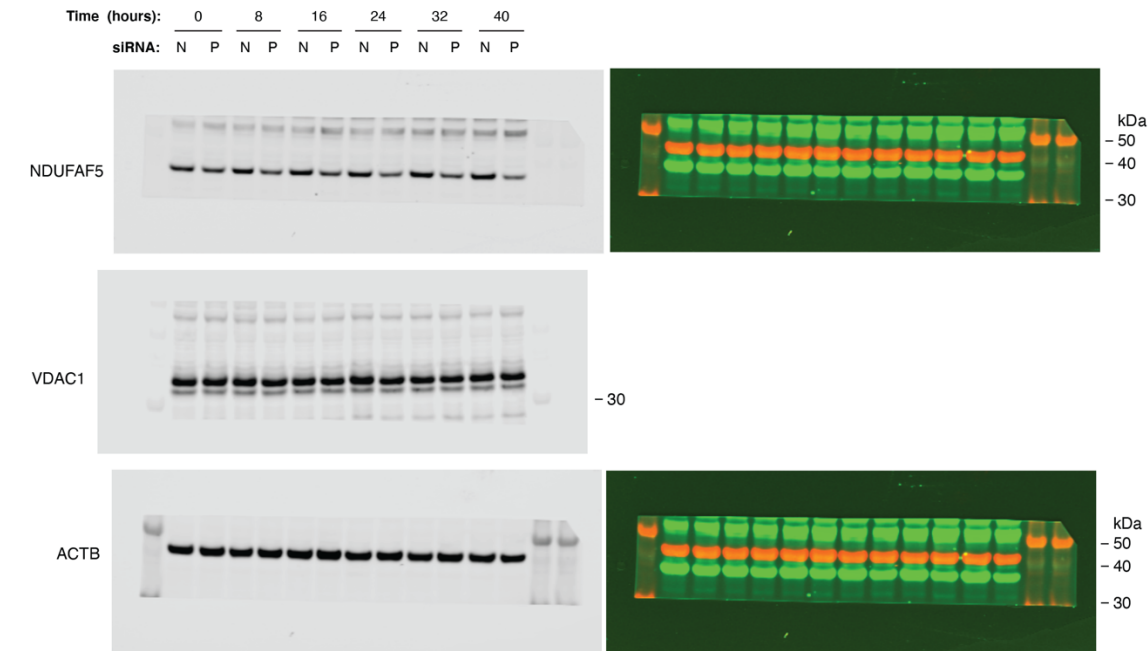


Supplementary Figure 1, continued
Related to: Extended Data Figure 7a

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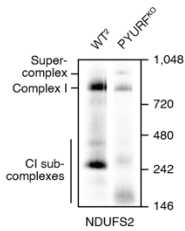


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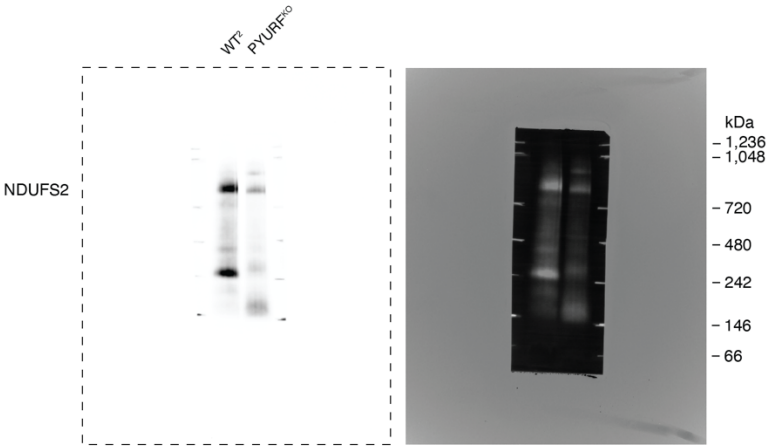


Supplementary Figure 1, continued
Related to: Extended Data Figure 7c

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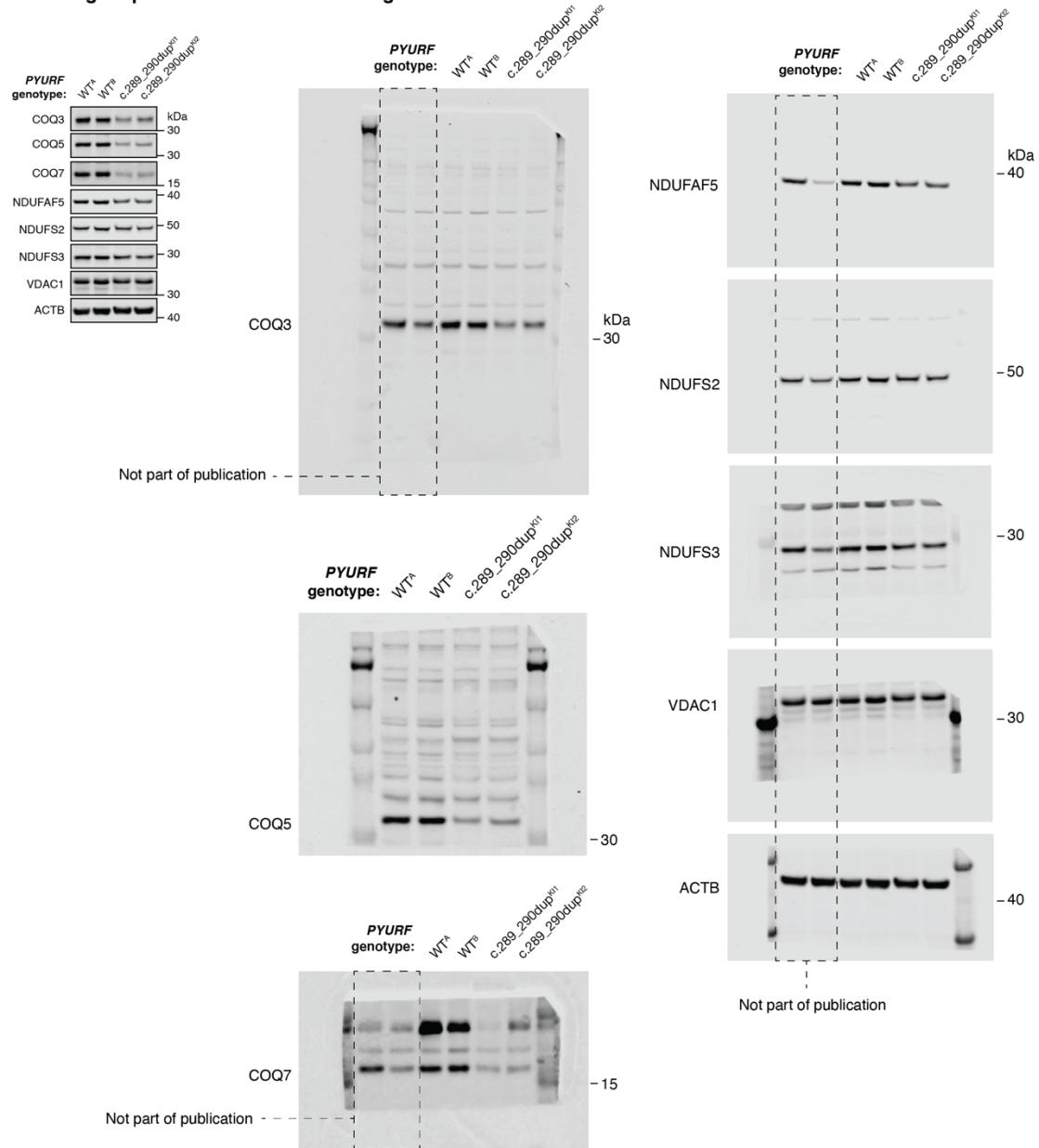
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Supplementary Figure 1, continued
Related to: Extended Data Figure 7g

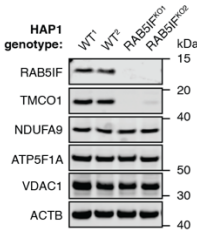
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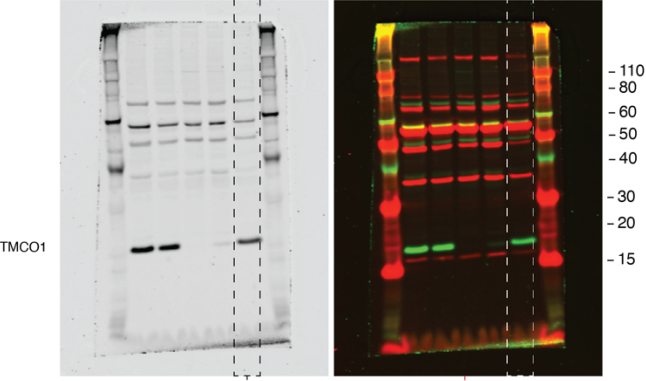
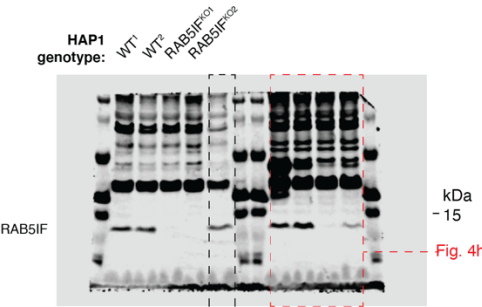


Supplementary Figure 1, continued
Related to: Extended Data Figure 9d

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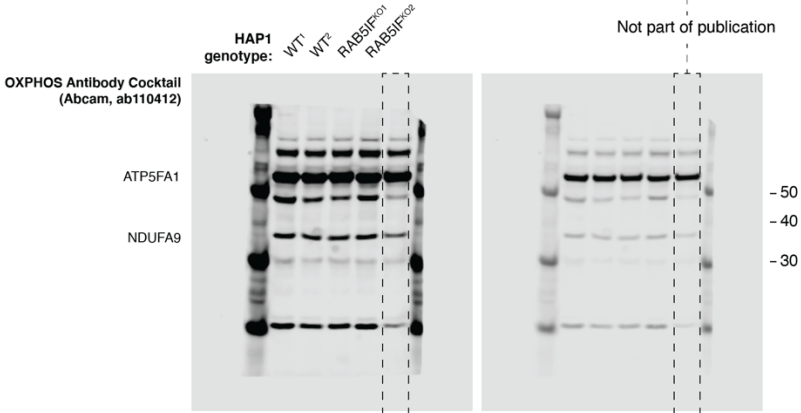


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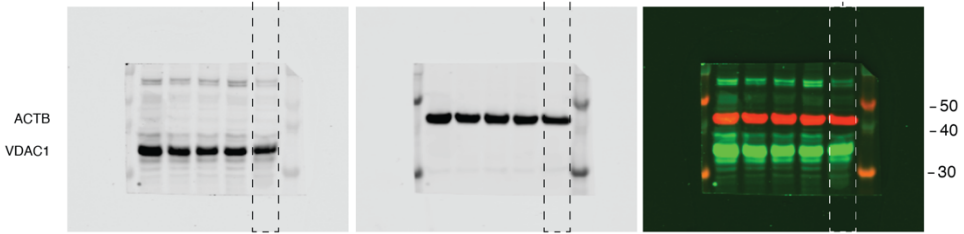


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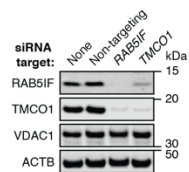


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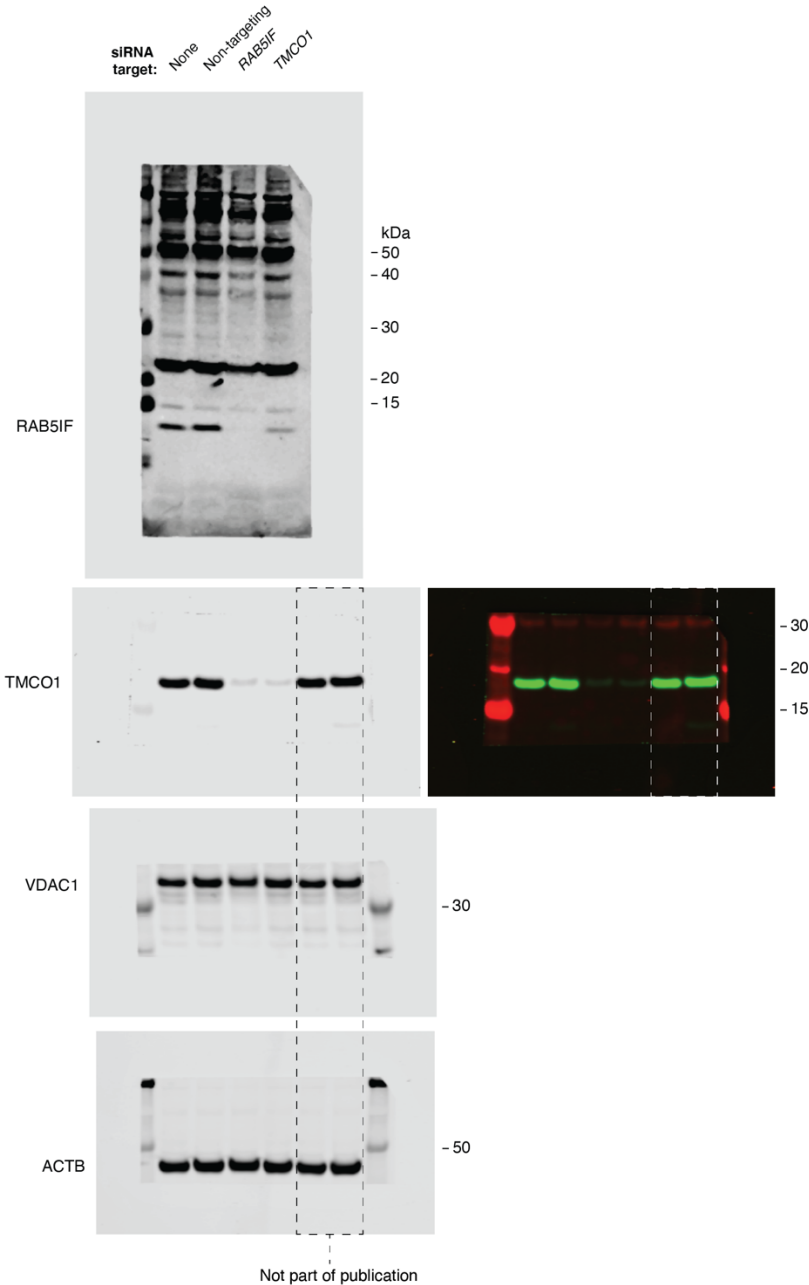


Supplementary Figure 1, continued
Related to: Extended Data Figure 9g

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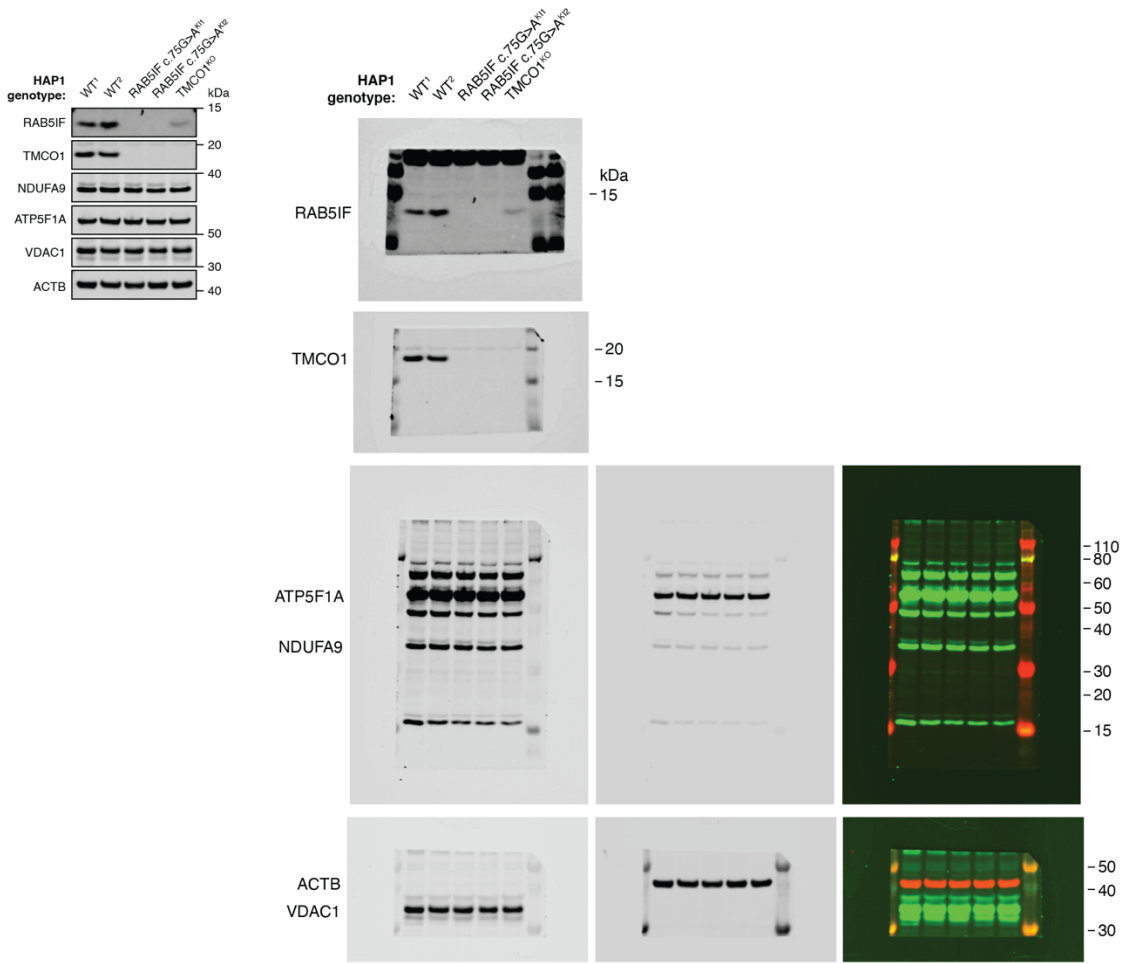
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Supplementary Figure 1, continued
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Supplementary Figure 1, continued

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