Supplementary Figure 1- Uncropped scans.

Main Figures

Figure 1a

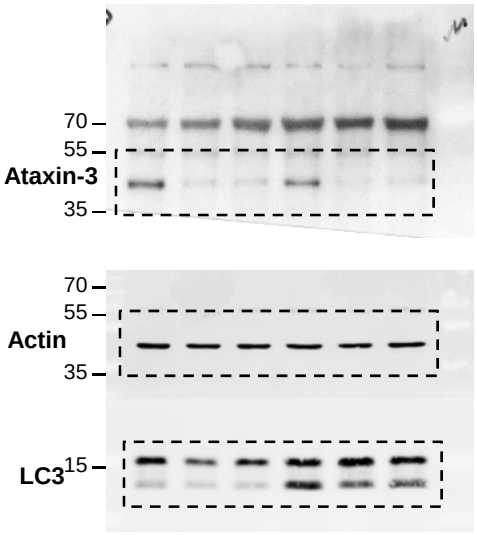


Figure 1b

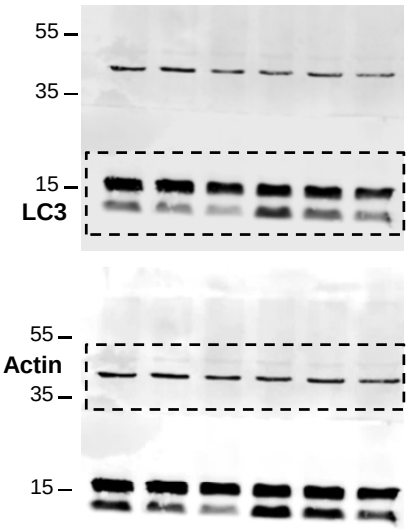


Figure 1c

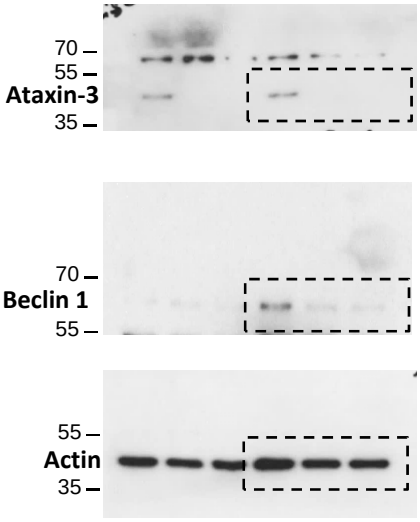


Figure 2a

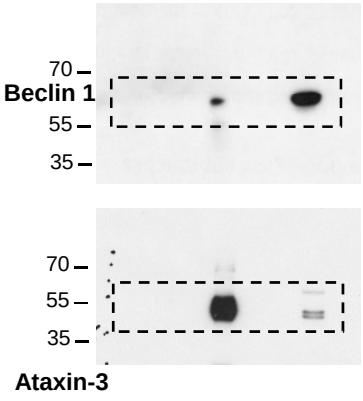


Figure 2b

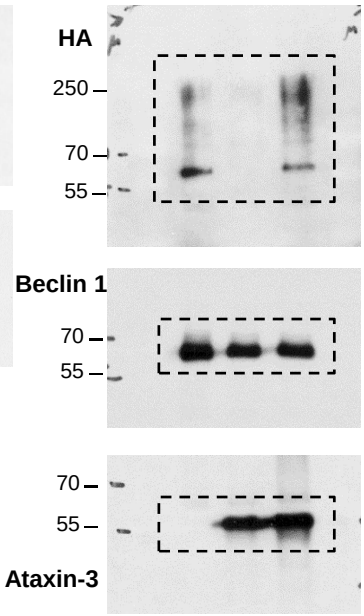
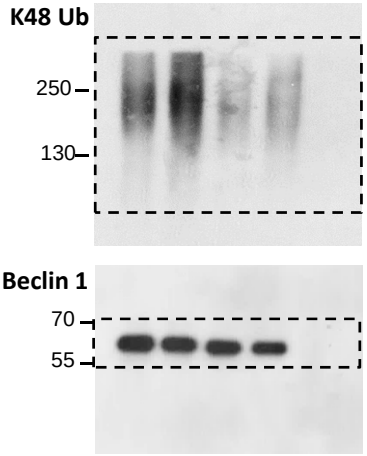


Figure 2d (IP)



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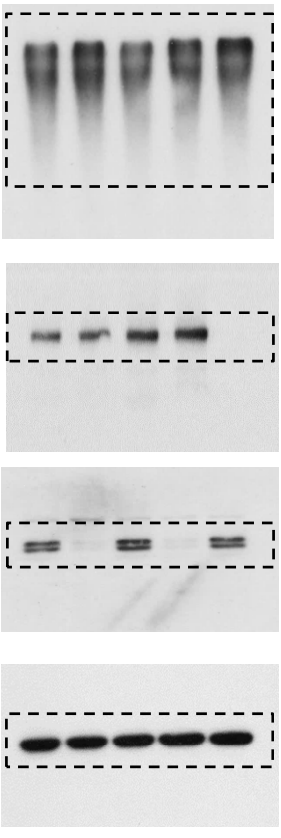


Figure 3a

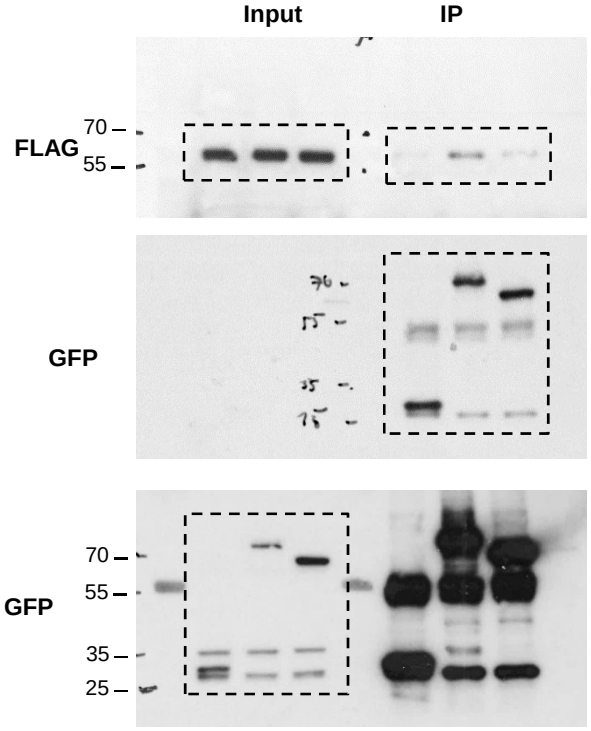


Figure 3b

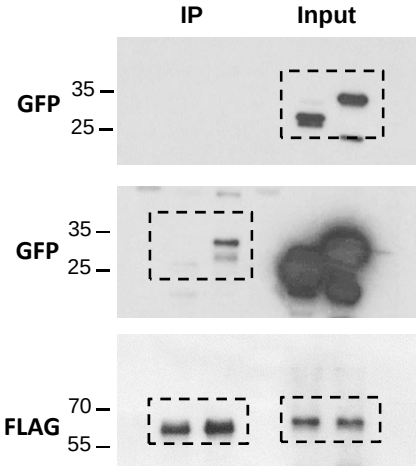


Figure 3c (input)

Figure 3c (IP)

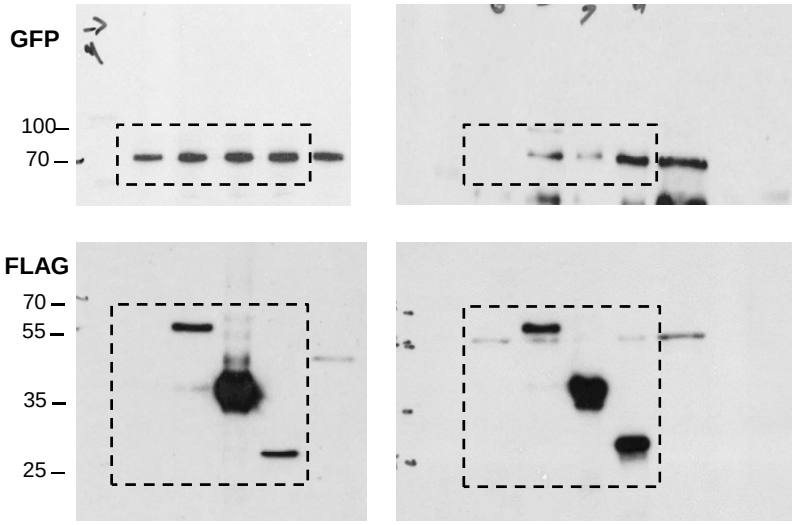


Figure 4a

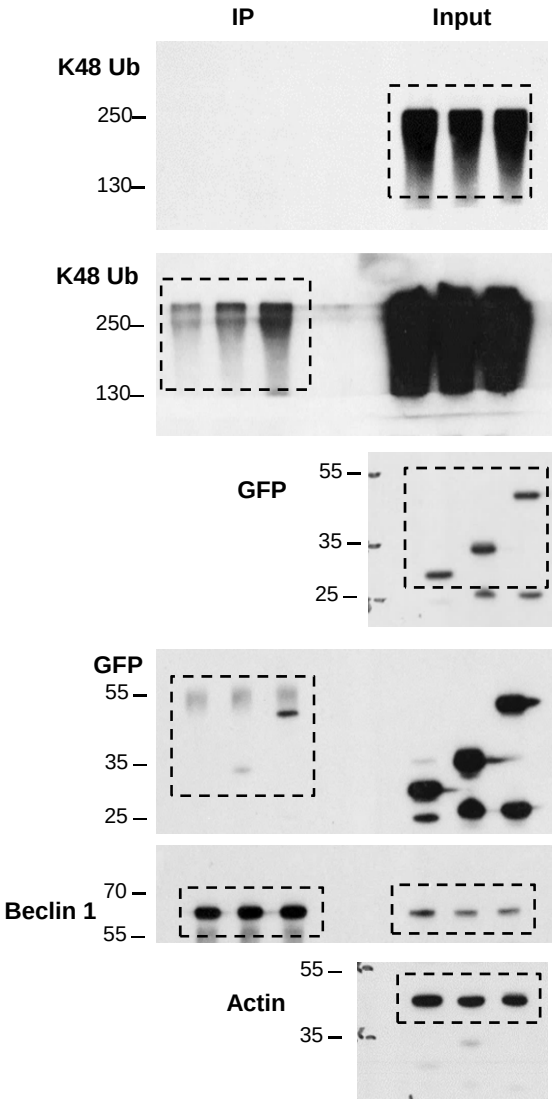


Figure 4b

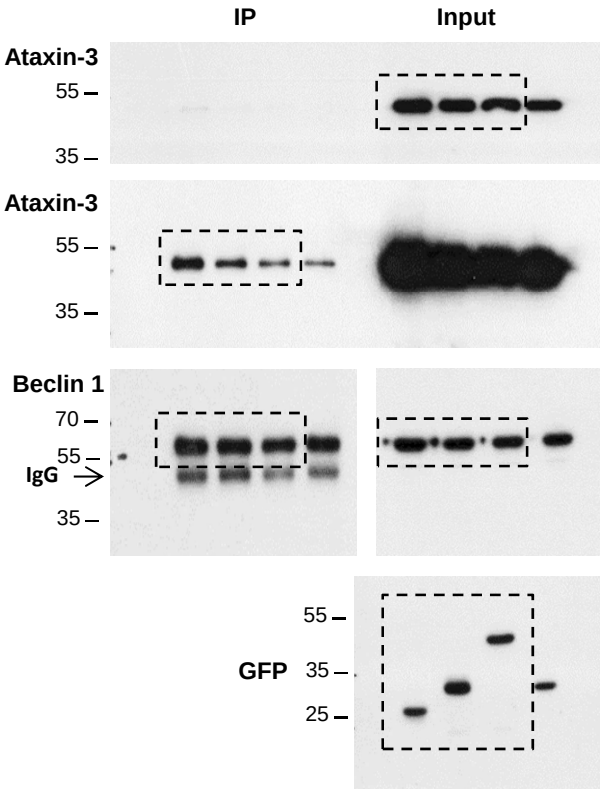


Figure 4e

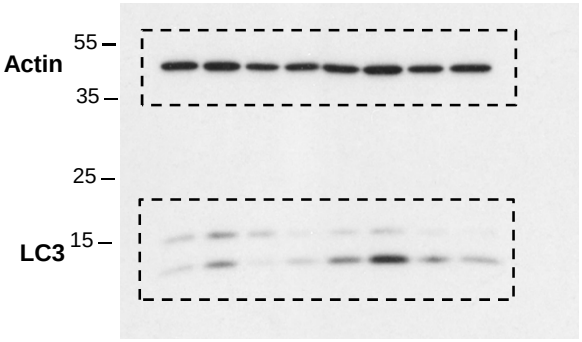


Figure 4f

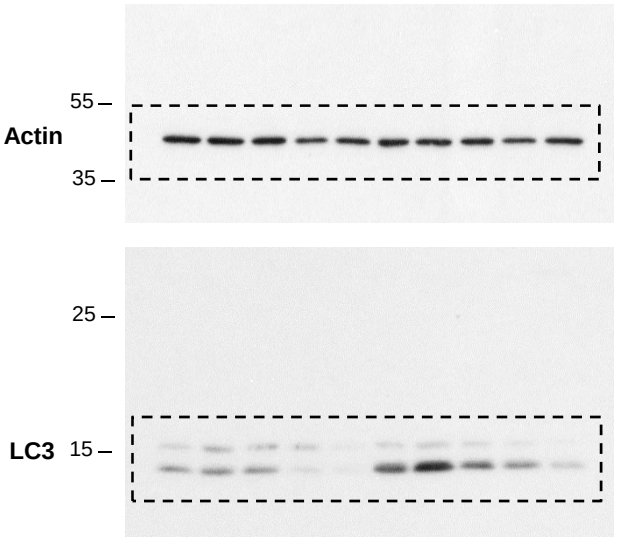
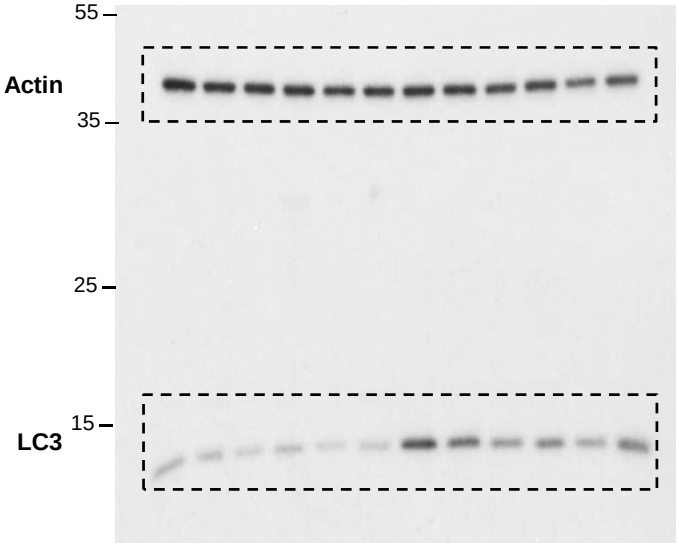
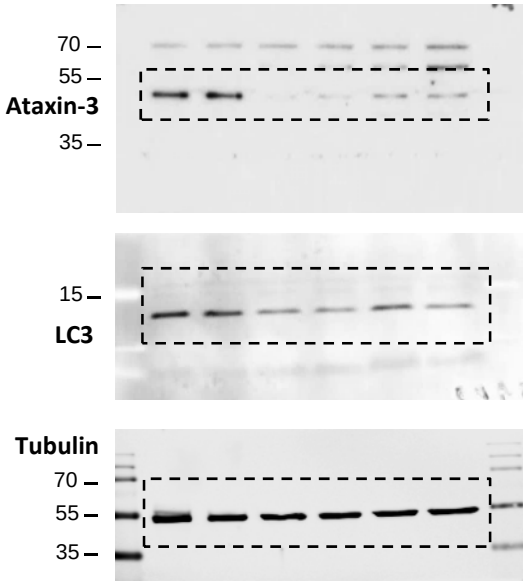


Figure 4g

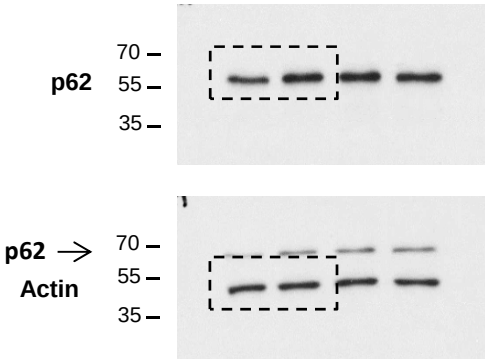


Extended Data

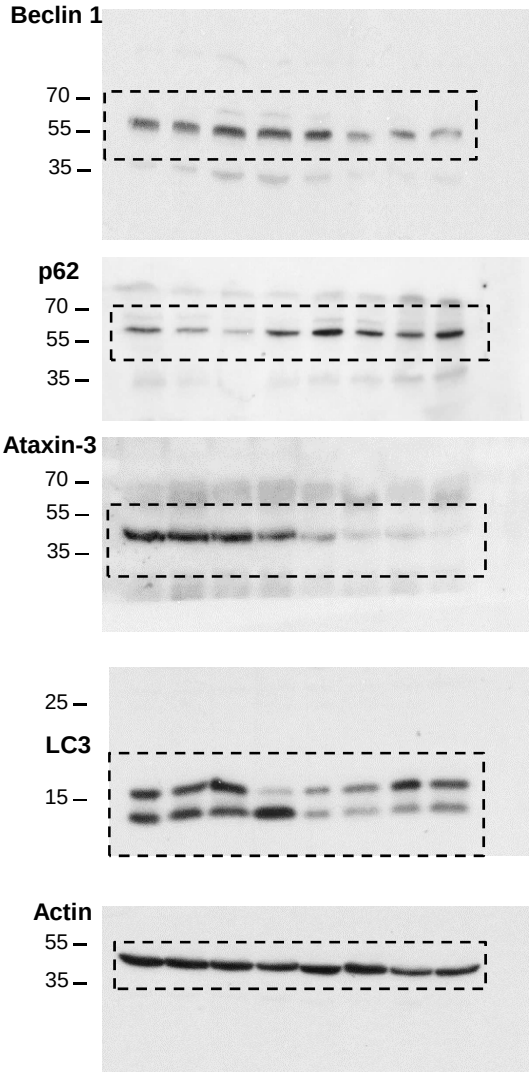
Ext Data Figure 1b



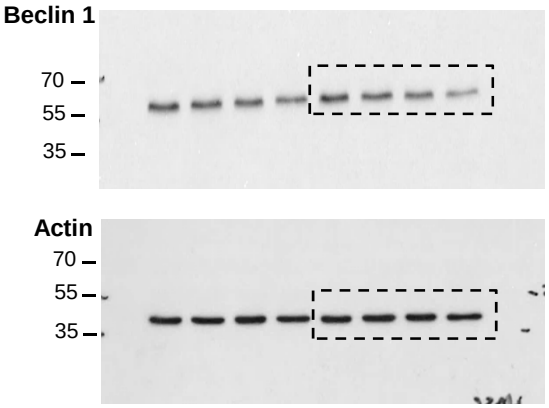
Ext Data Figure 1c



Ext Data Figure 2d



Ext Data Figure 3a



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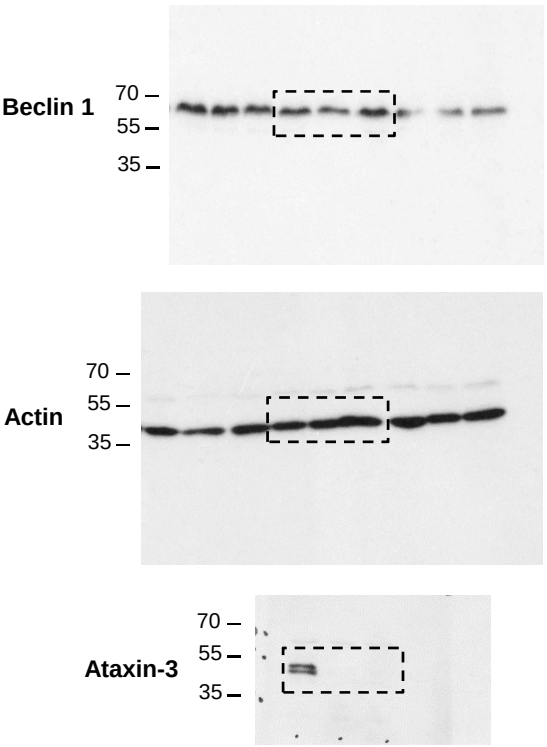

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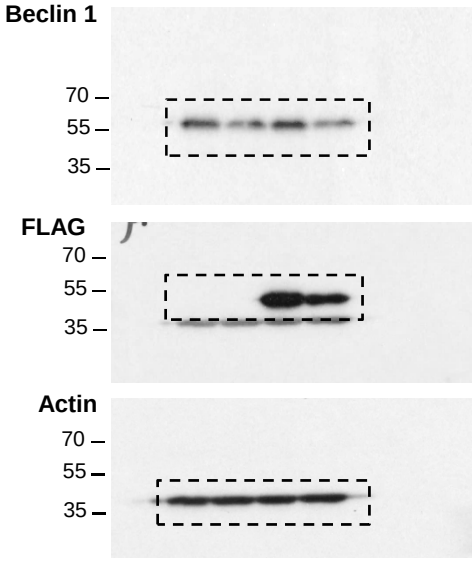

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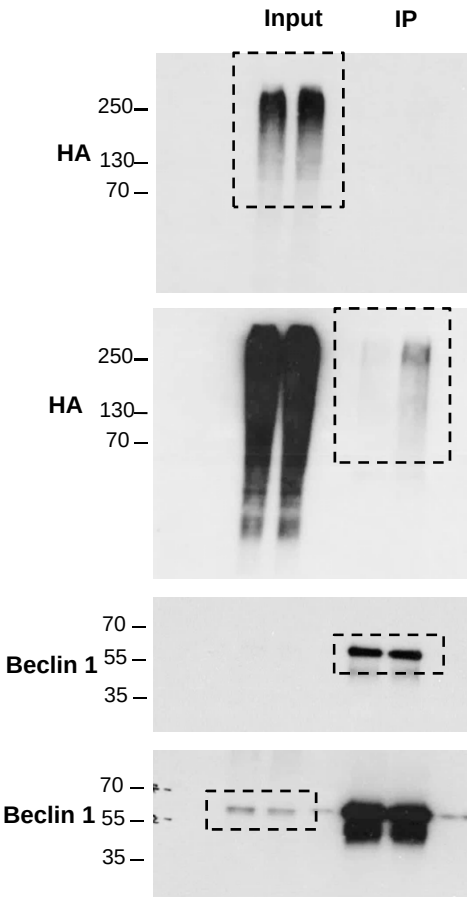
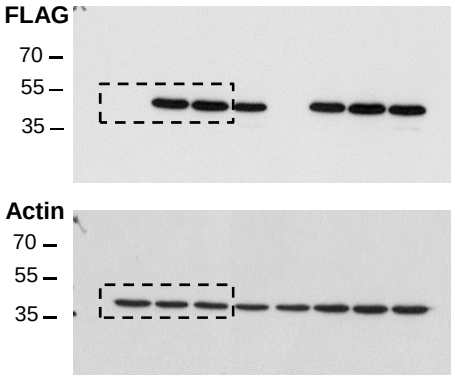


Ext Data Figure 3g



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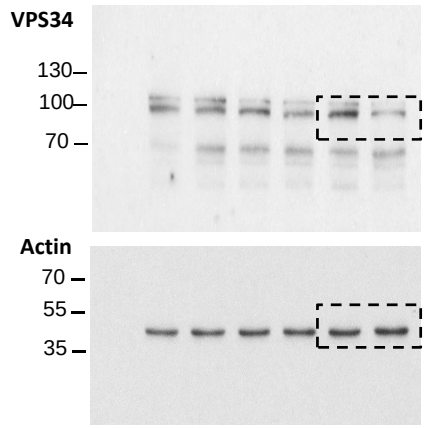

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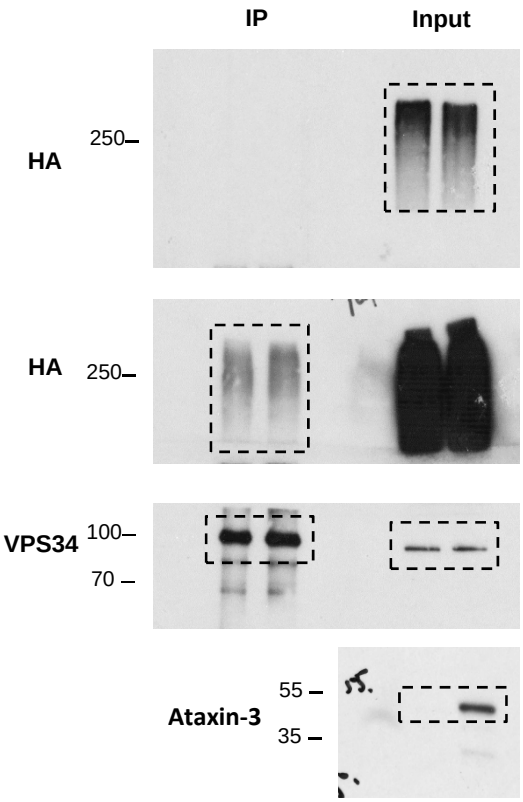

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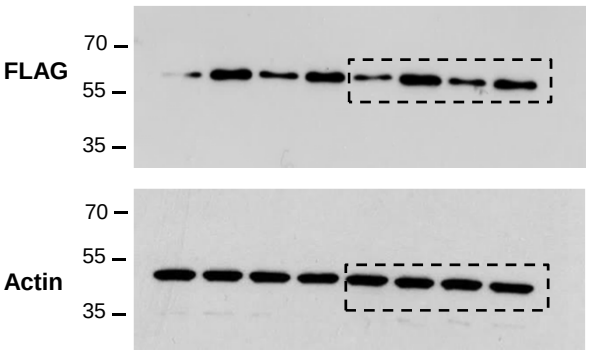

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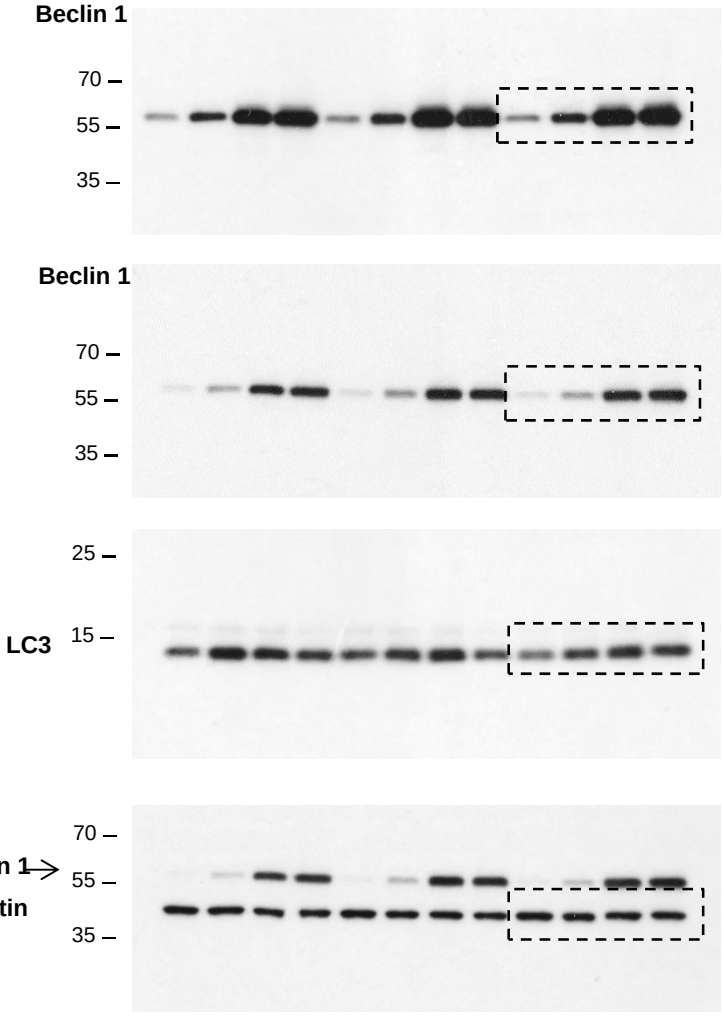
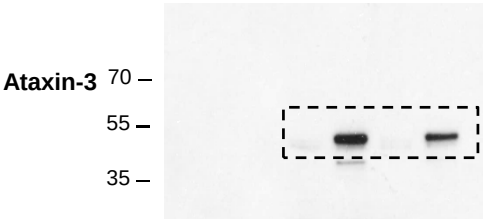
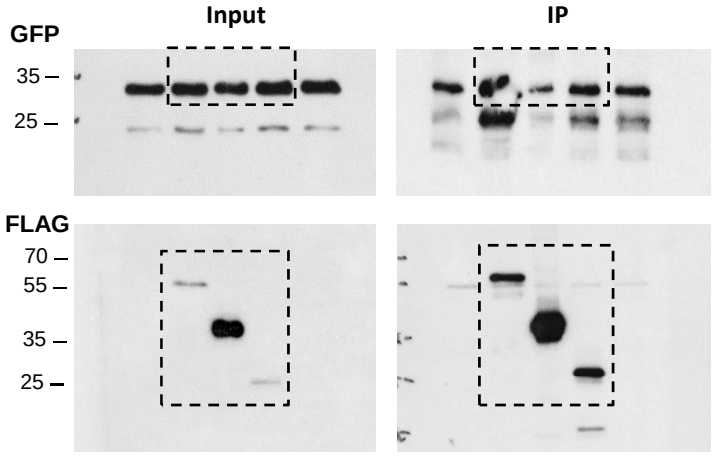
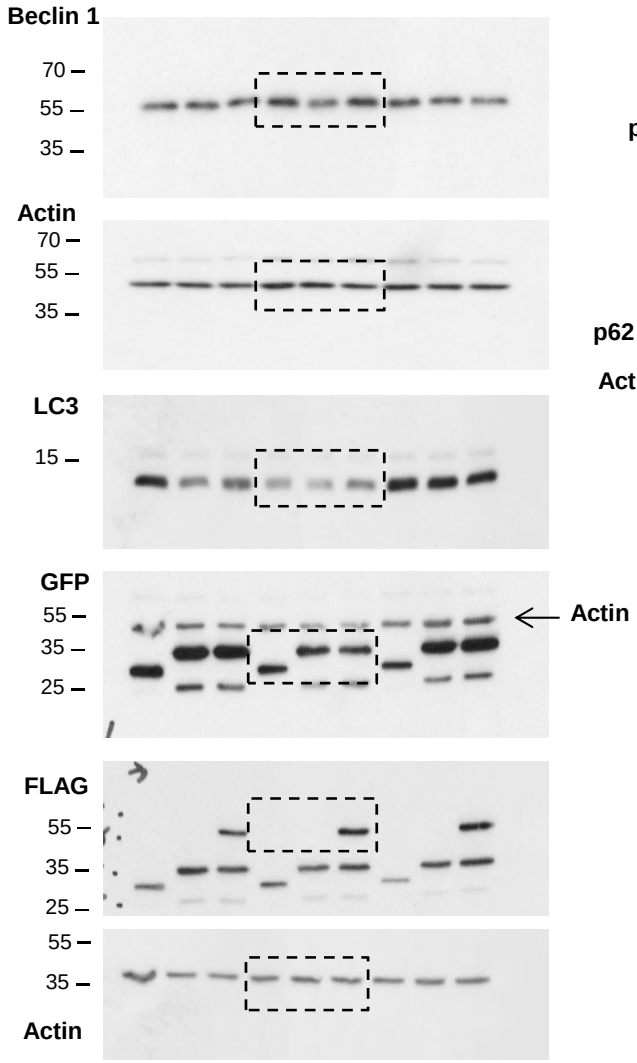




Ext Data Figure 5a



Ext Data Figure 6a



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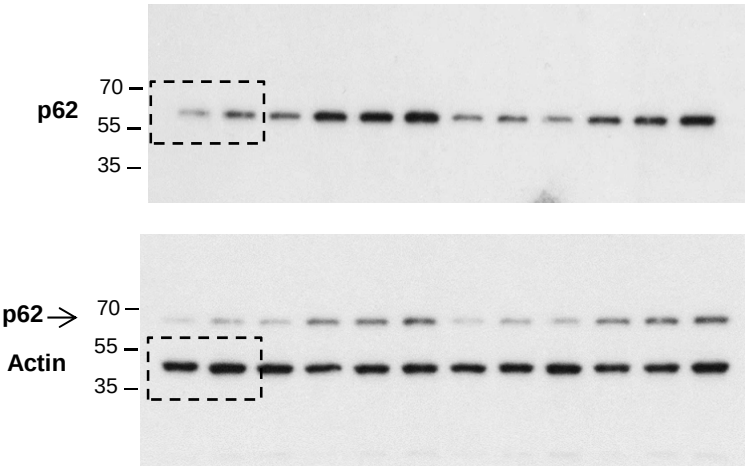

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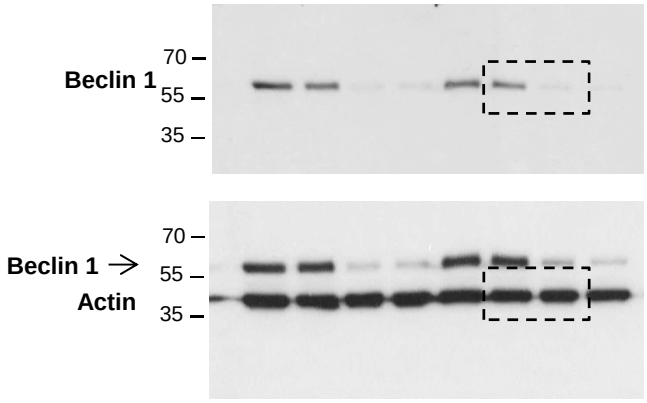

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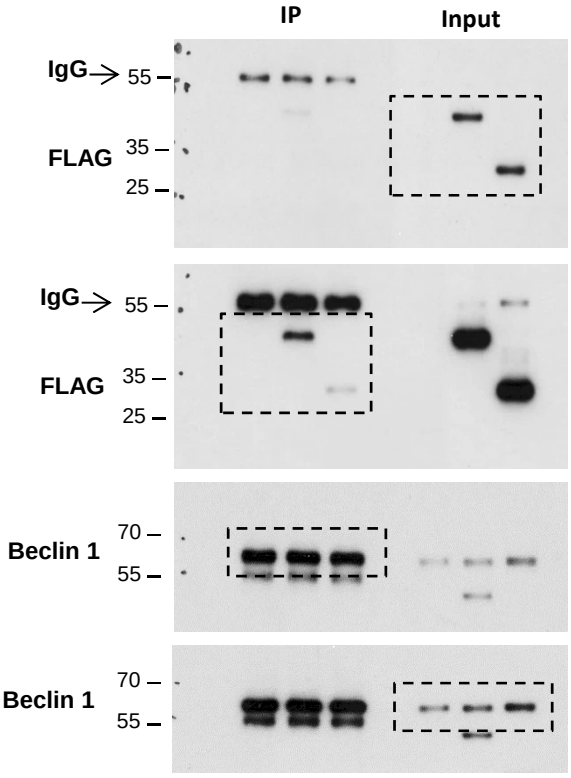

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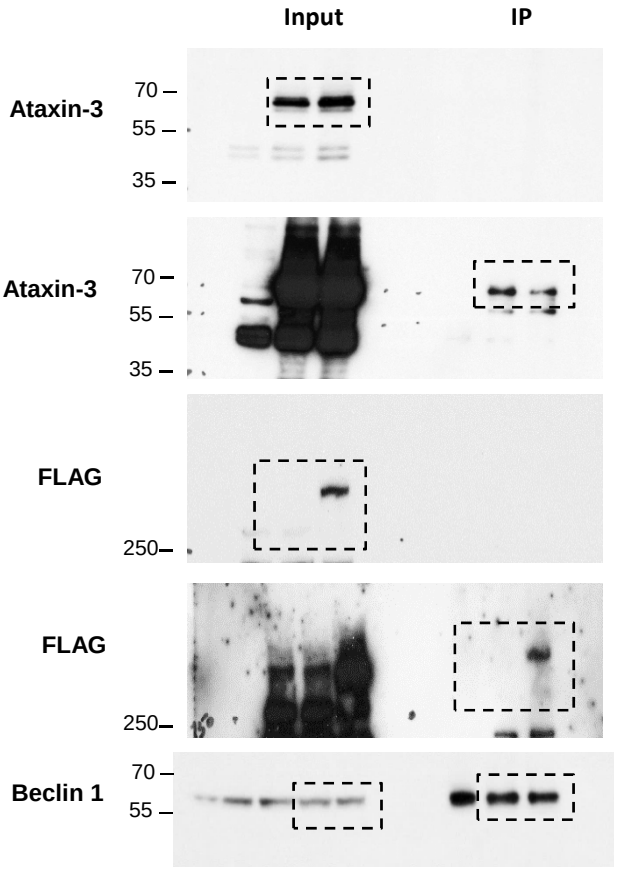

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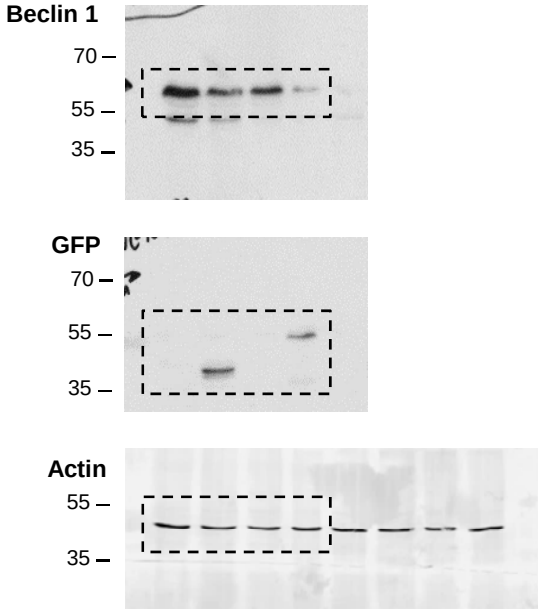
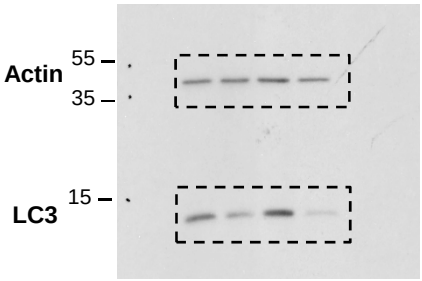


Ext Data Figure 8b



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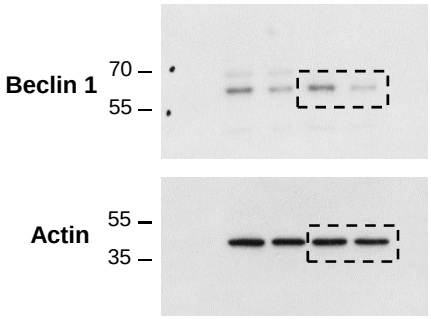
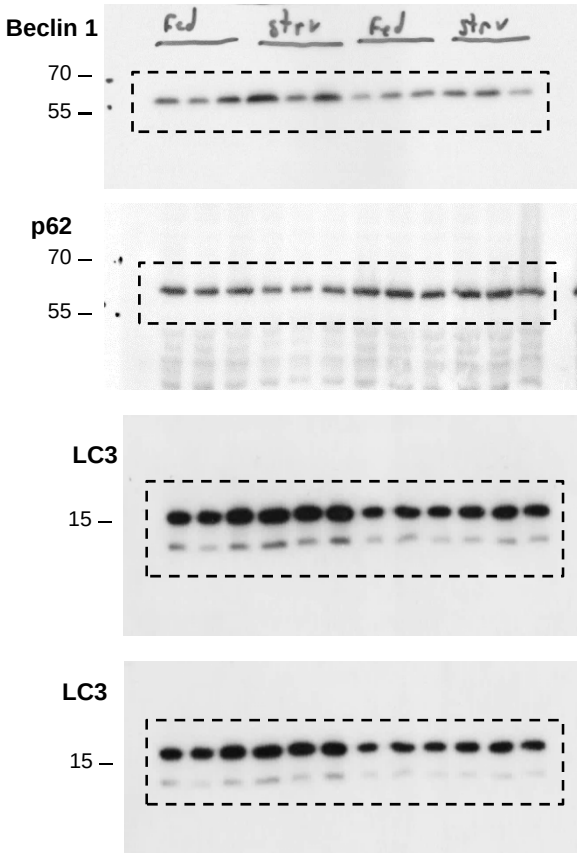
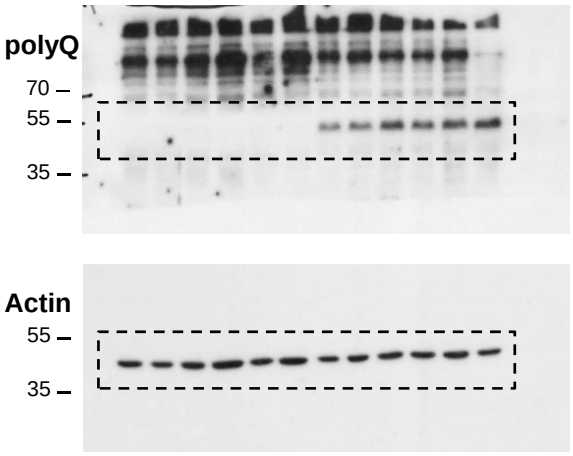


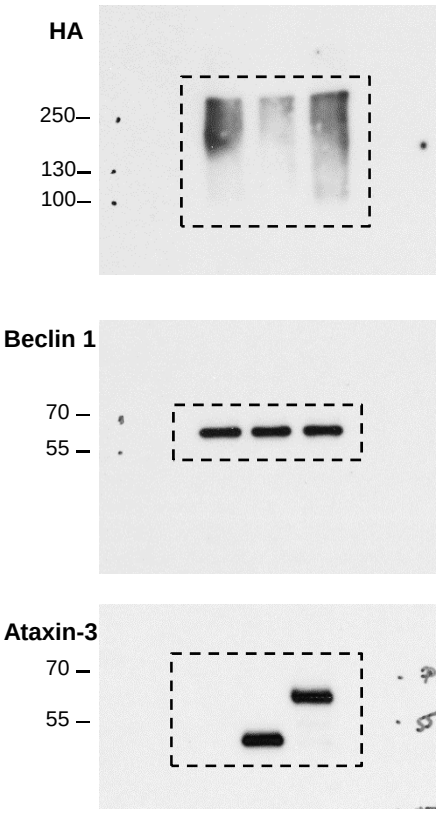
Ext Data Figure 8e



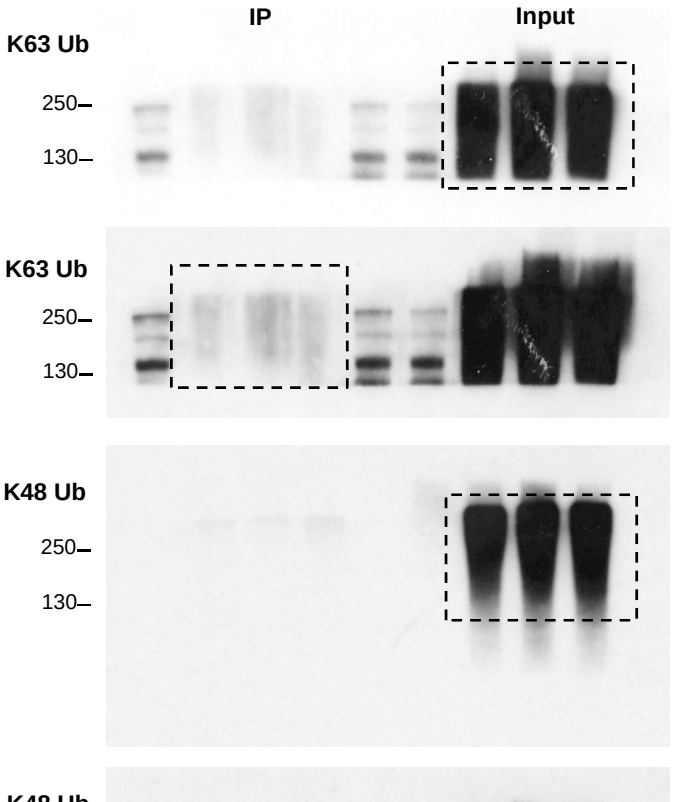
Ext Data Figure 8e (continue)



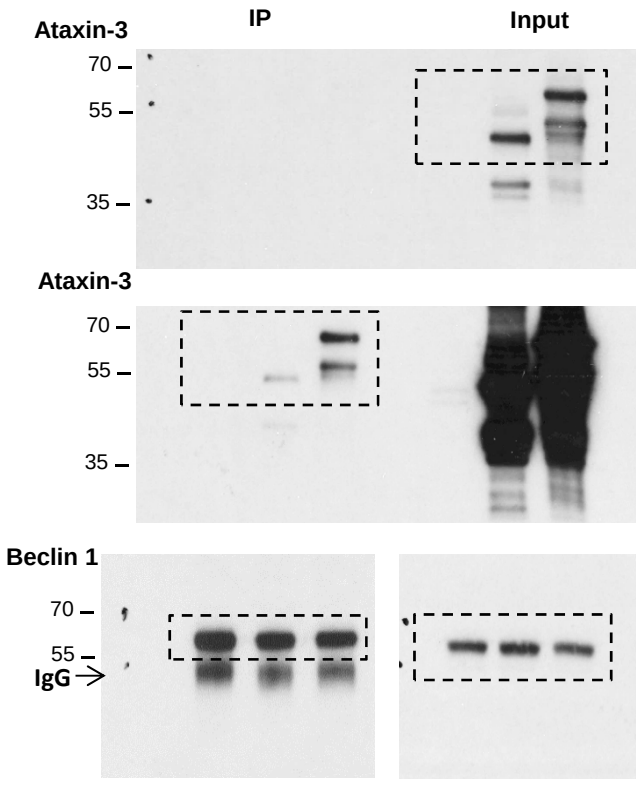
Ext Data Figure 9a

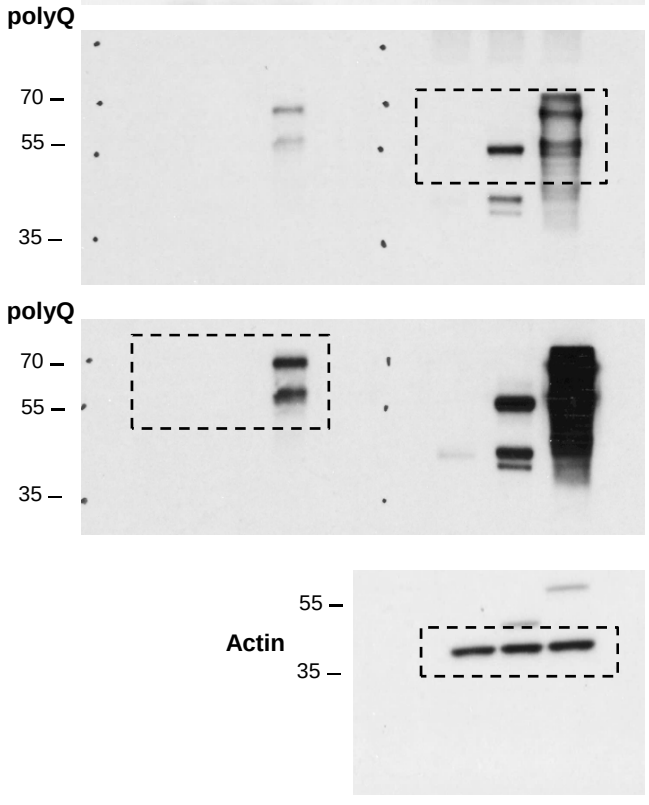


Ext Data Figure 9d

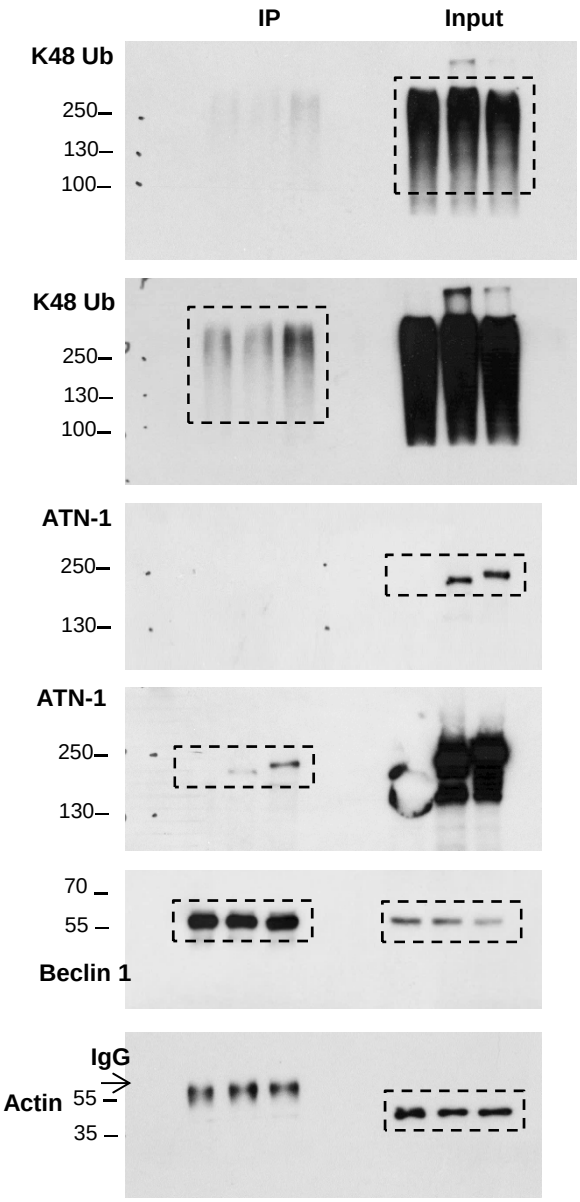


Ext Data Figure 9d (continue)

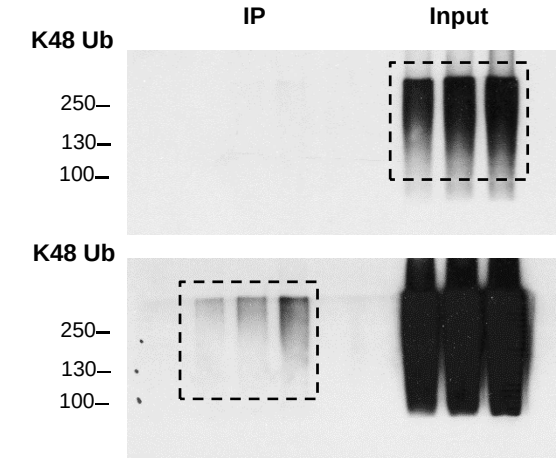




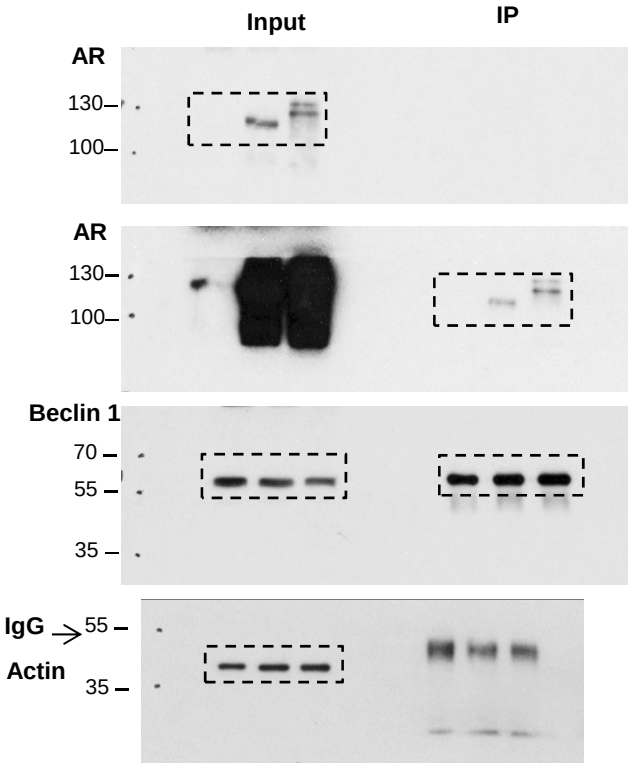
Ext Data Figure 10a



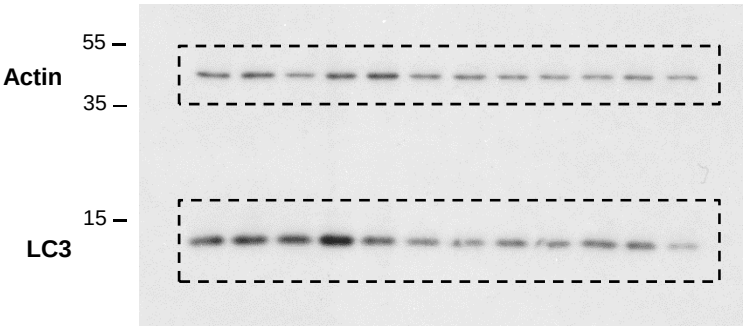
Ext Data Figure 10b



Ext Data Figure 10b (continue)



Ext Data Figure 10c



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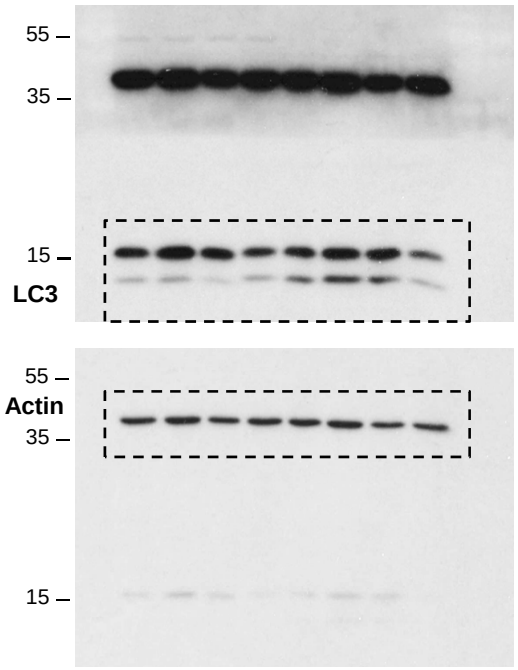
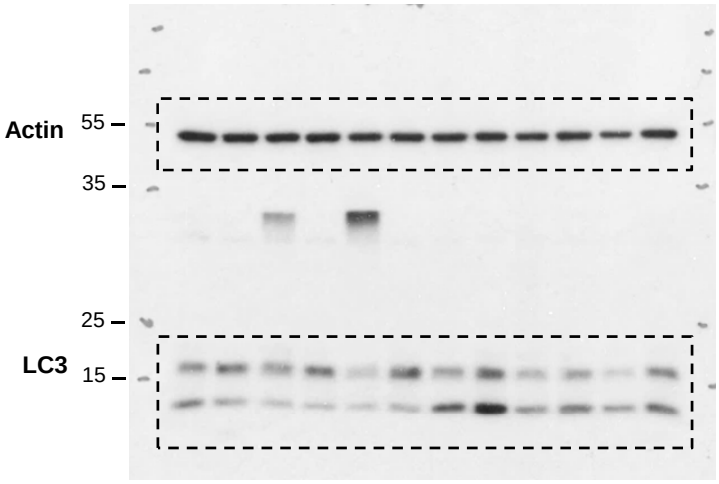
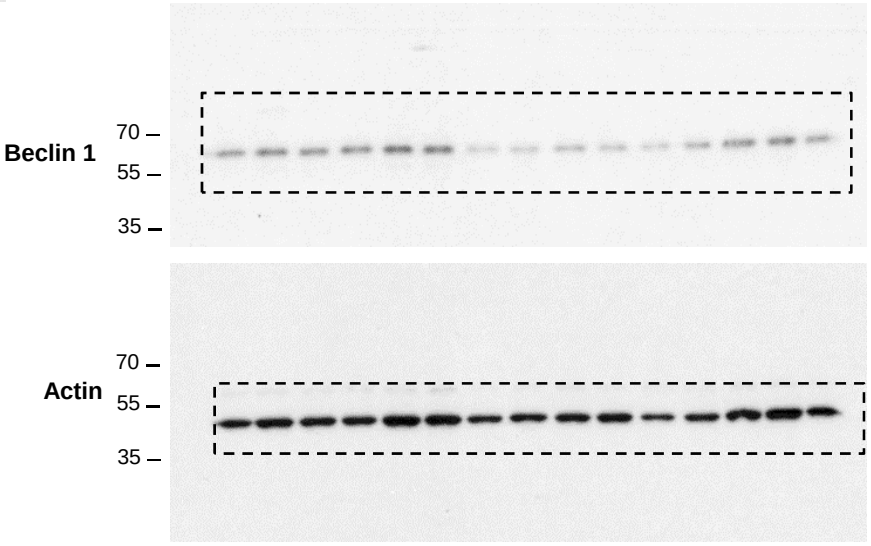


Ext Data Figure 10f



Ext Data Figure 10g



Ext Data Figure 10e

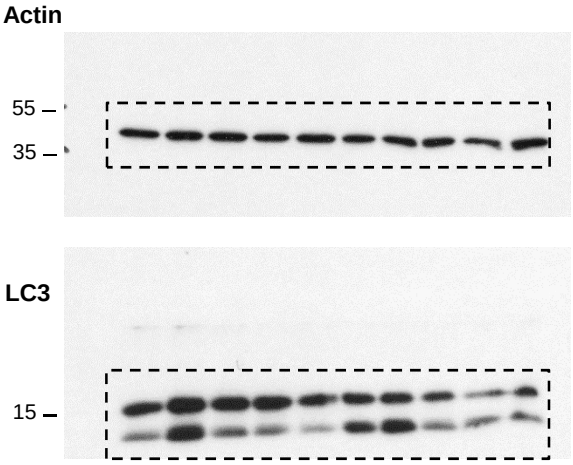


Table S1. Full statistical analysis of the data from Figure 1 and Figure 4.

Figure	P value for test	P value for post-test
Figure 1a	Two-way ANOVA (column factor shRNA *** P<0.001, row factor BafA1 *** P<0.001, interaction * P<0.05).	Bonferroni's post-test (* P<0.05, *** P<0.001, N.S, not significant).
Figure 1b	Two-way ANOVA (column factor shRNA ** P<0.01, row factor BafA1 *** P<0.001, interaction P value N.S).	Bonferroni's post-test (** P<0.01, *** P<0.001, N.S).
Figure 1c	One-way ANOVA (** P<0.01).	Post-hoc Tukey's test (* P<0.05, ** P<0.01).
Figure 1d	Two-way ANOVA (column factor siRNA ** P<0.01, row factor fasting ** P<0.01, interaction P value N.S).	Bonferroni's post-test (* P<0.05, ** P<0.01, N.S).
Figure 1e	Two-way ANOVA (column factor siRNA * P<0.05, row factor fasting ** P<0.01, interaction P value N.S).	Bonferroni's post-test (* P<0.05, ** P<0.01, N.S).
Figure 4 c	Two-way ANOVA (column factor HD ** P<0.01, row factor fasting N.S, interaction P value N.S).	Bonferroni's post-test (** P<0.01, N.S).
Figure 4 d	Two-way ANOVA (column factor HD *** P<0.001, row factor fasting * P<0.05, interaction * P<0.05).	Bonferroni's post-test (** P<0.01, *** P<0.001, N.S).

Table S2. List of patient-derived fibroblasts analysed in this study.

Disease	Catalogue number	Ref in the paper
HD	GM04285	HD1
	GM04287	HD 2
	GM04476	HD 3
	GM04867	HD 4
	HD 940-01	HD 5
	HD960-01	HD 6
	HD305-01	HD 7
DRPLA	AT2140102	DRPLA 1
	GM13716	DRPLA 2
	GM13717	DRPLA 3
SCA3	GM06151	SCA3 1
	GM06153	SCA3 2
SCA7	GM03561	SCA7 1