
Supplementary information

Mechanisms of APOBEC3 mutagenesis in human cancer cells

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SI Guide

Mechanisms of APOBEC3 mutagenesis in human cancer cells

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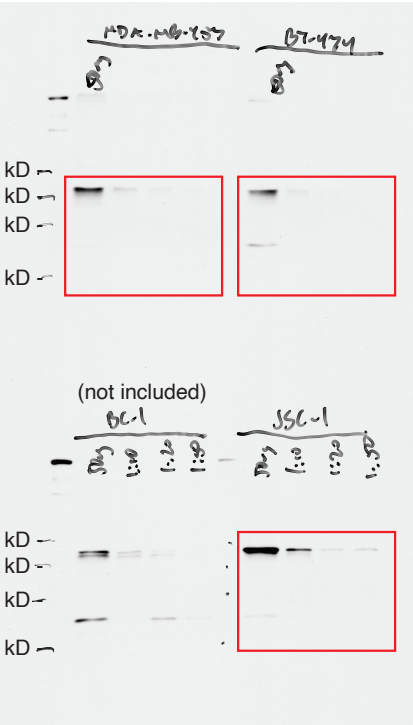
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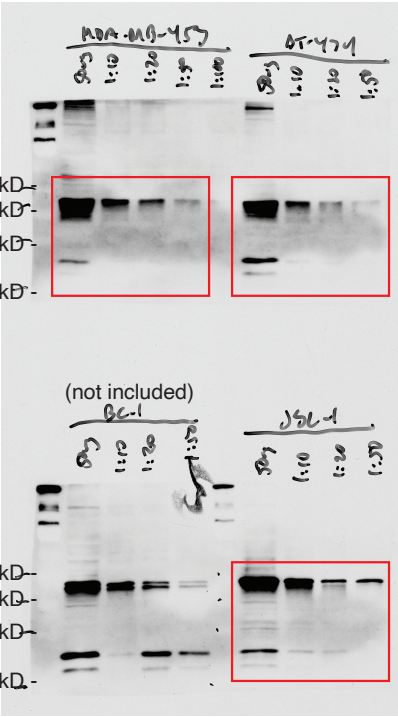
SI Table 10 | Rearrangement calls.

SI Figure 1. Petljak et al.

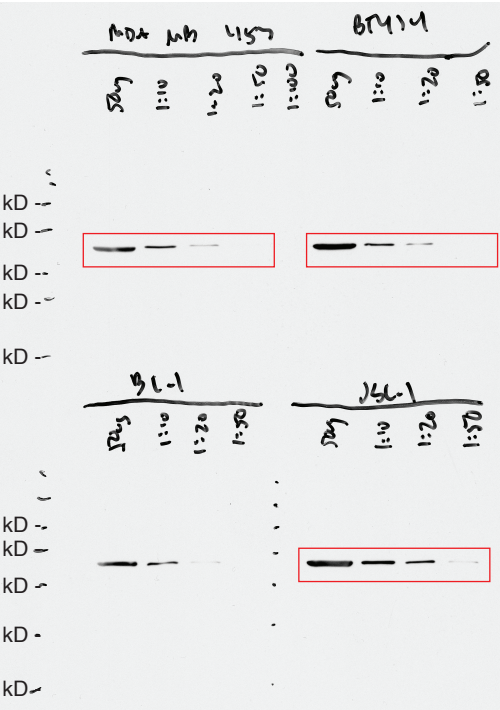
anti-A3A/A3B/A3G (04A04)
short exposure



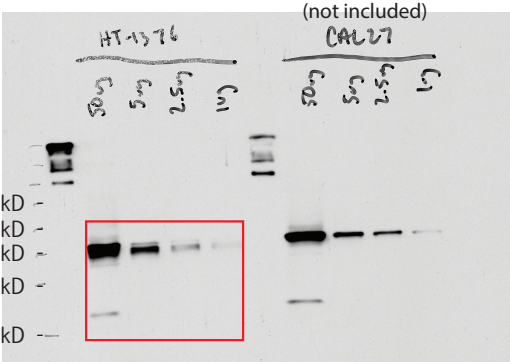
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long exposure



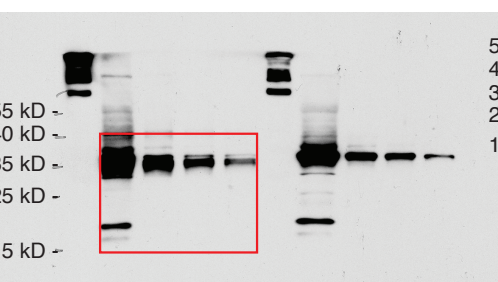
anti-actin (re-probed)



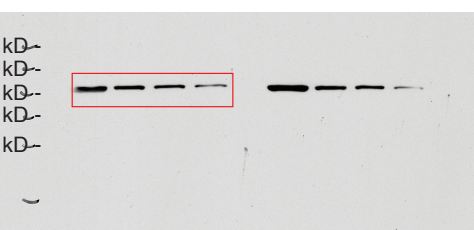
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short exposure



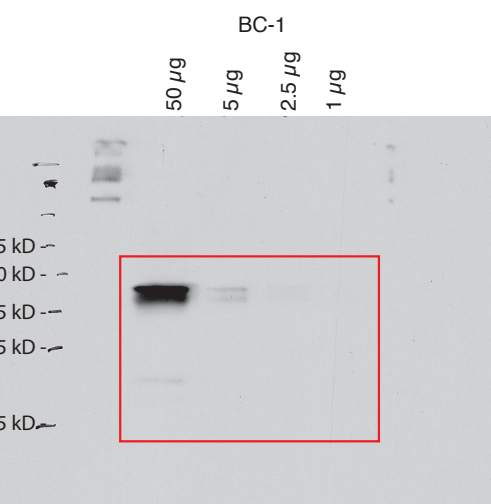
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long exposure



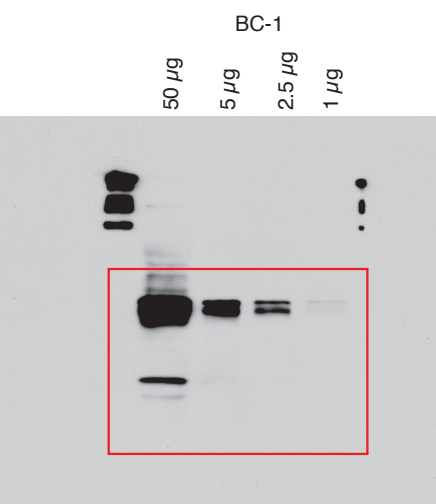
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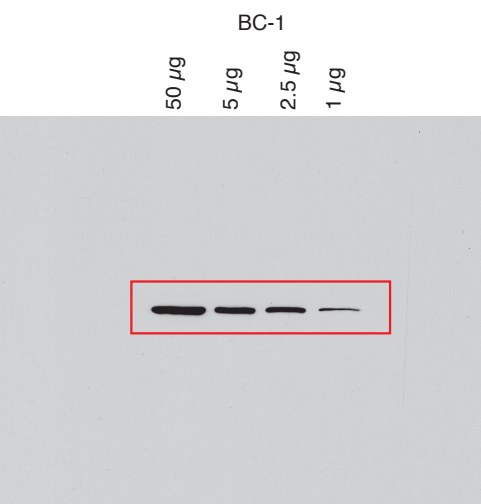
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short exposure



anti-A3A/A3B/A3G (04A04)
long exposure



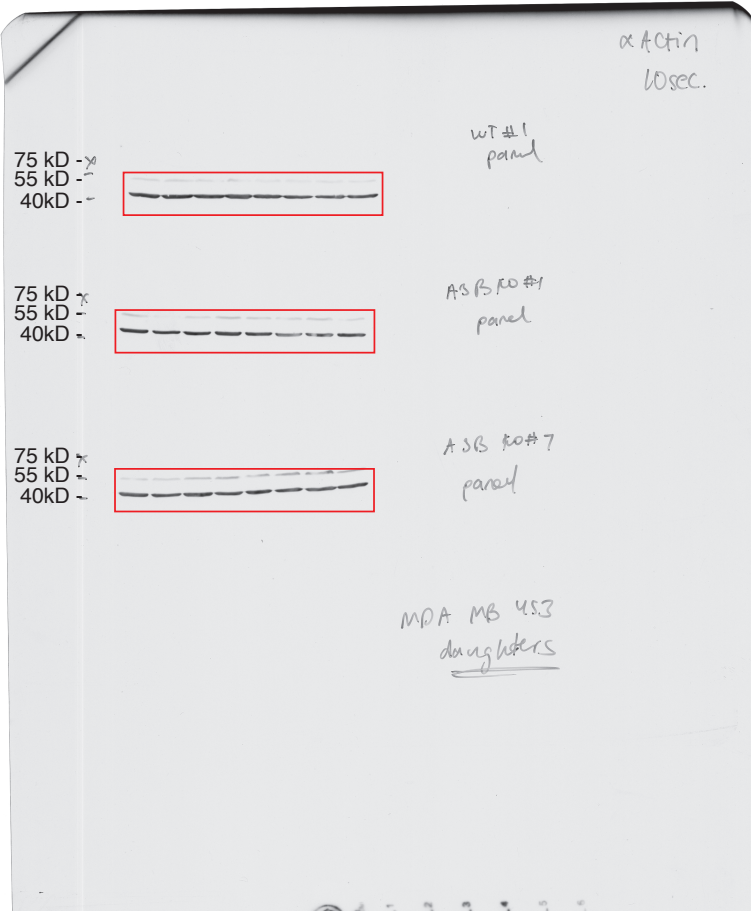
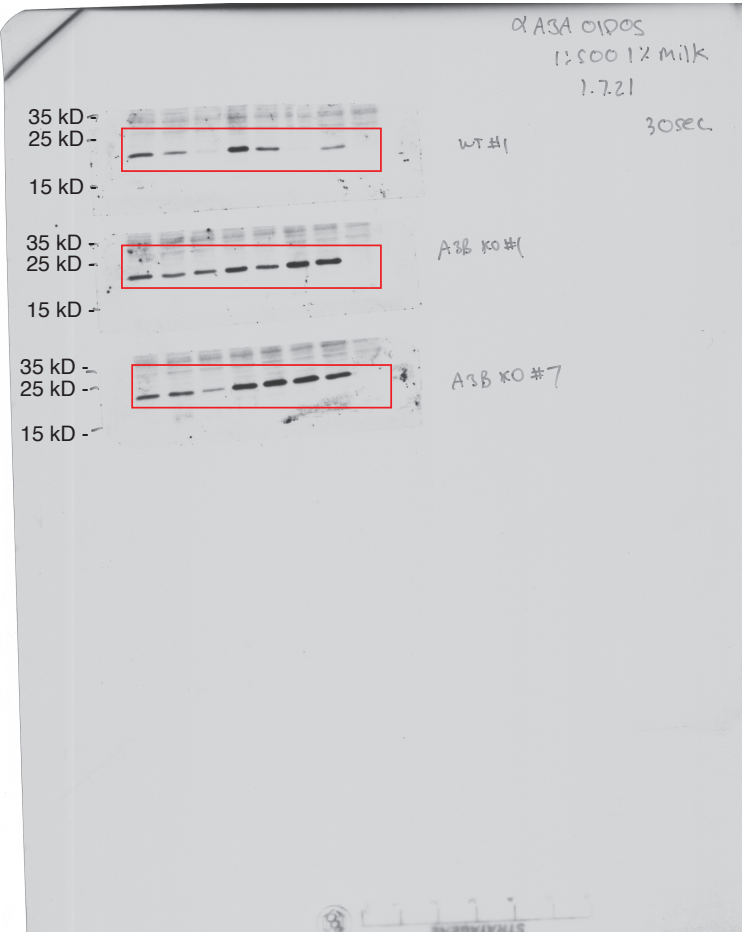
anti-actin (re-probed)



SI Figure 2. Petljak et al.

anti-A3A (01D05)

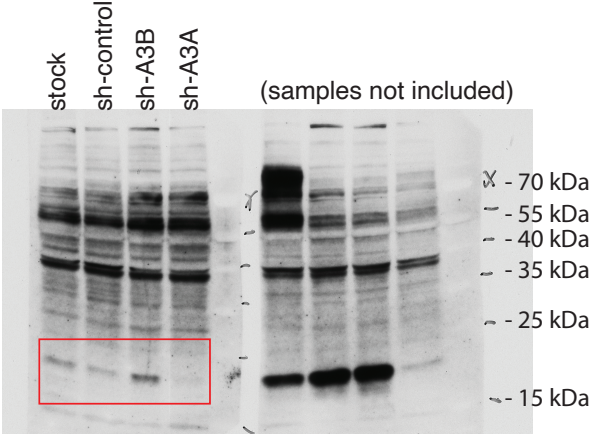
anti-actin (re-probed)



SI Figure 3. Petljak et al.

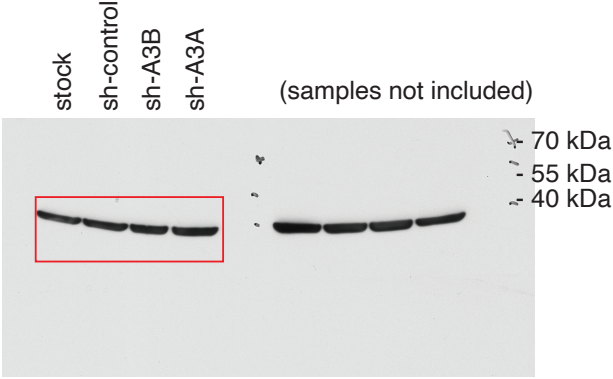
anti-A3A (01D05)

MDA MB 453



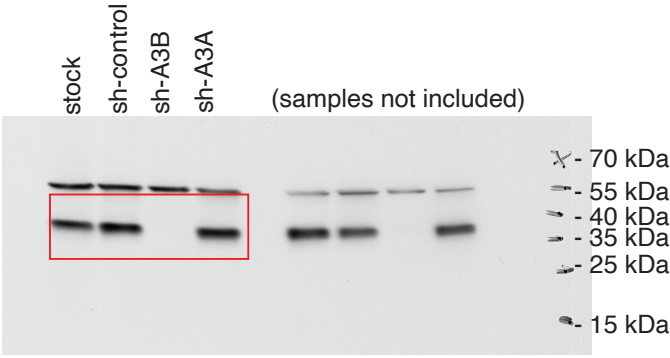
anti-actin (re-probed)

MDA MB 453

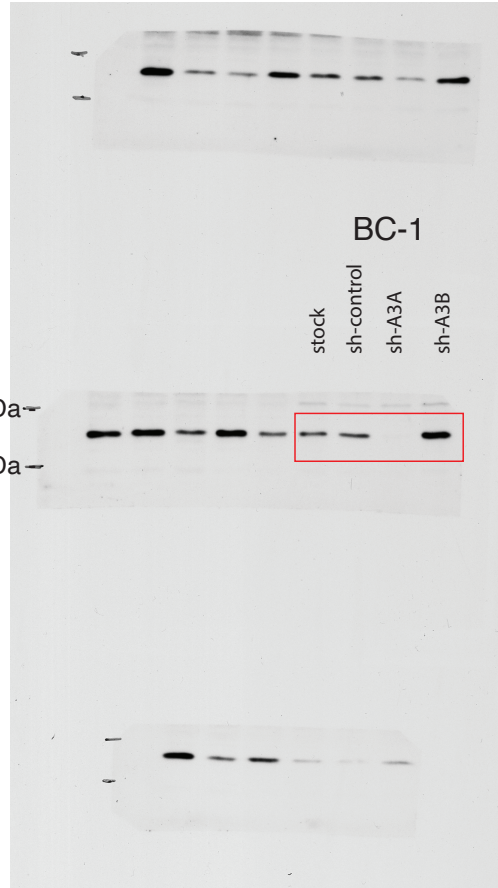


anti-A3B (Abcam)

*same samples as above, run on different SDS PAGE gel

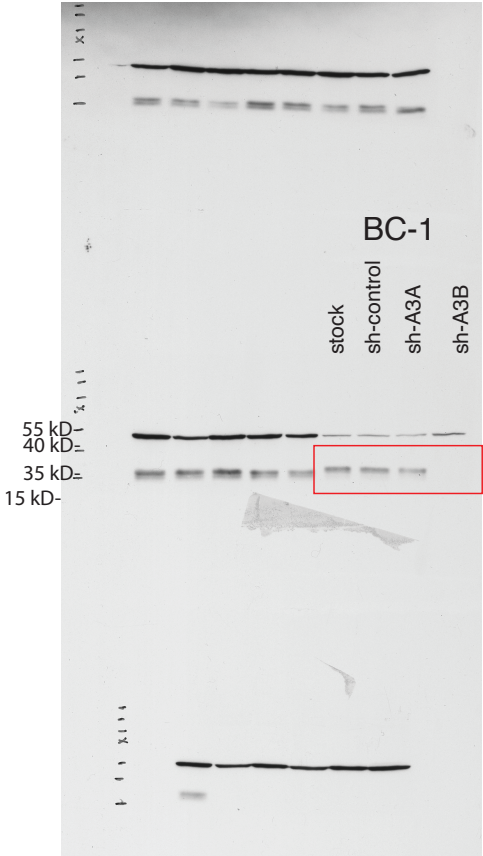


anti-A3A (01D05)



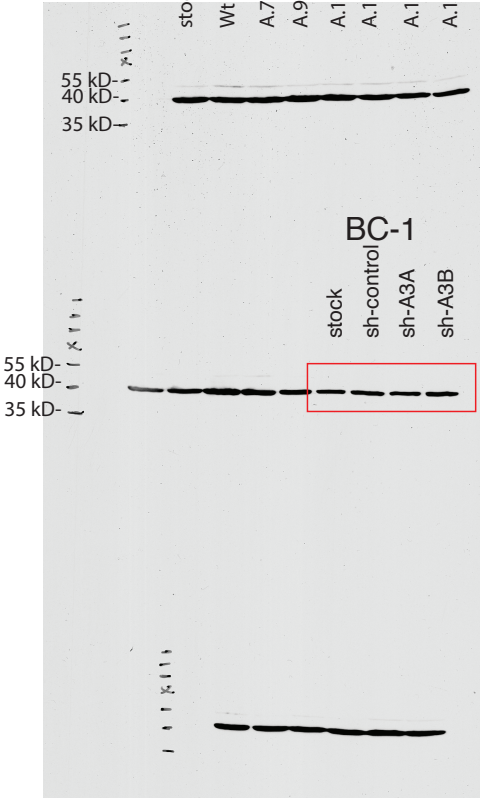
anti-A3B (Abcam)

*reprobed



anti-actin

*reprobed



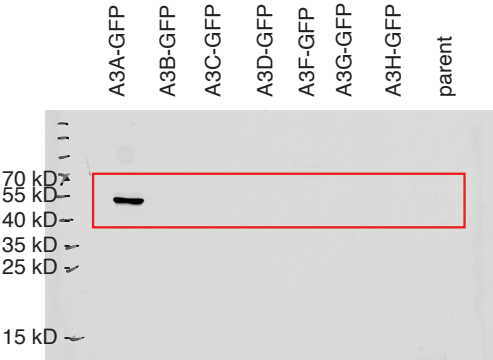
SI Figure 4. Petljak et al.



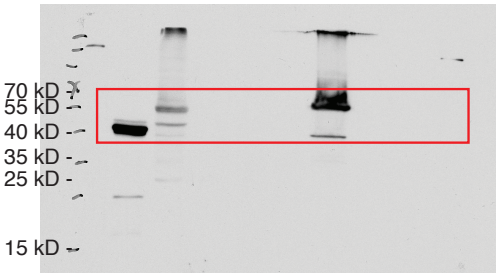
SI Figure 5. Petljak et al.

anti-A3A (01D05)

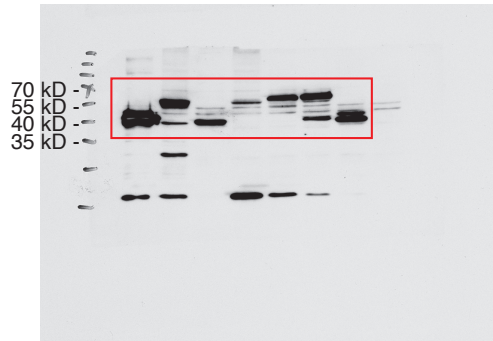
HEK293



anti-A3A/B/G (04A04)

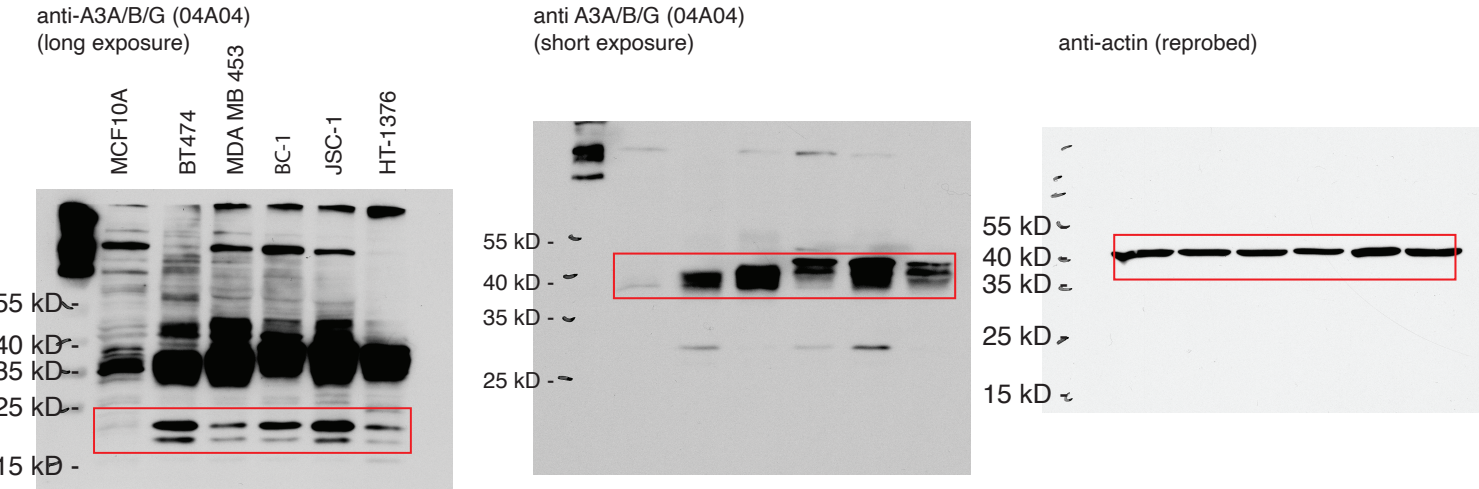


anti-GFP

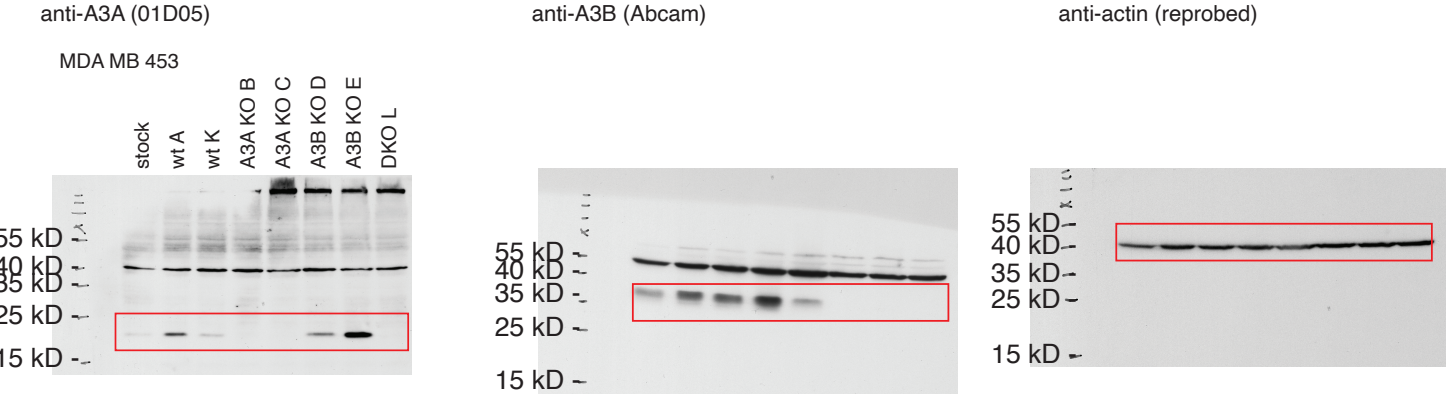


SI Figure 6. Petljak et al.

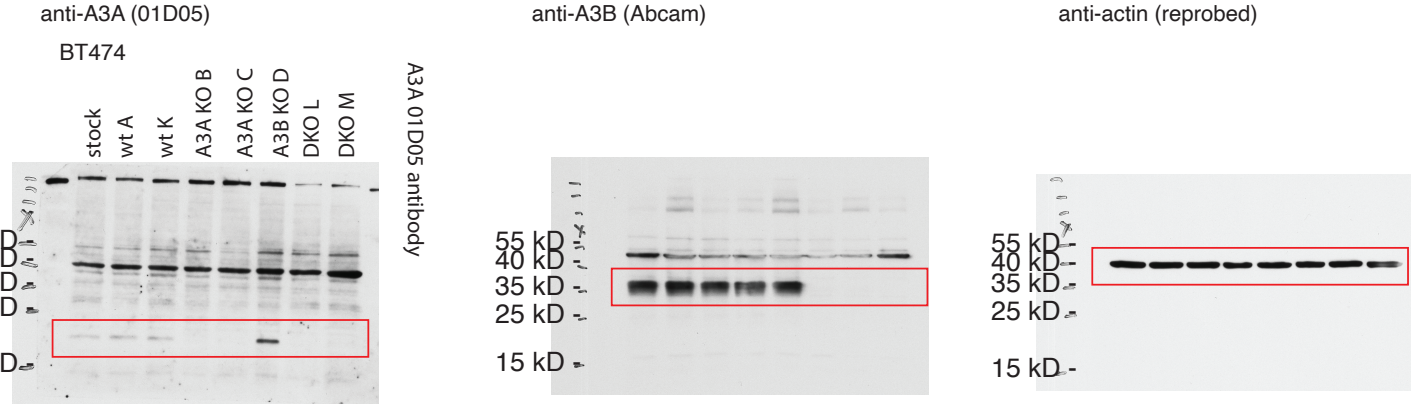
Related to Extended Data Fig. 1h



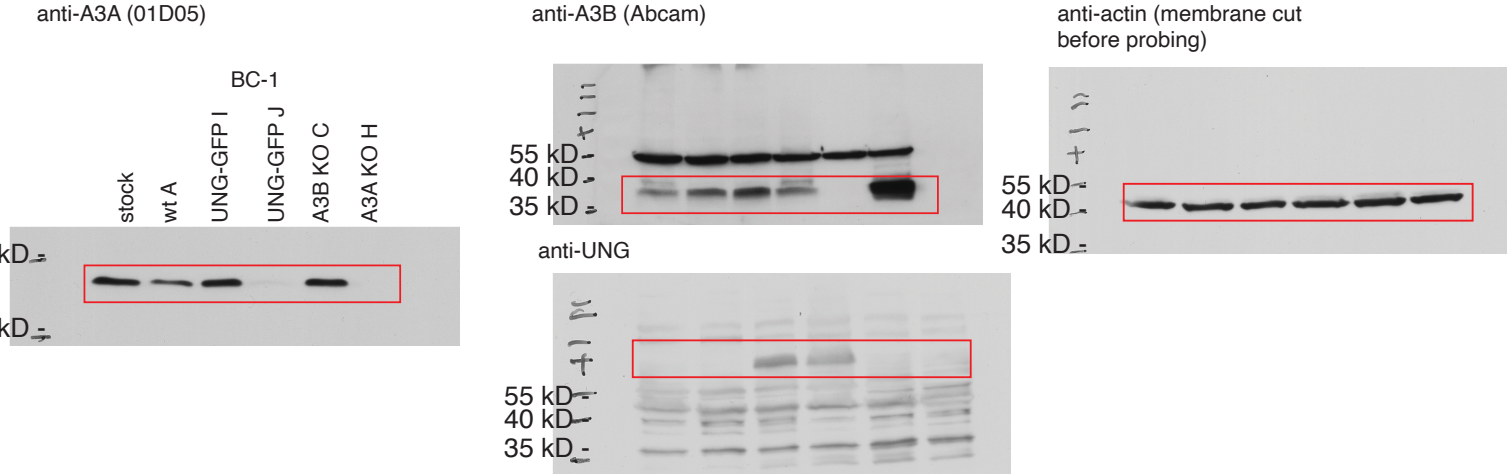
Related to Extended Data Fig. 1i



Related to Extended Data Fig. 1j



Related to Extended Data Fig. 1k



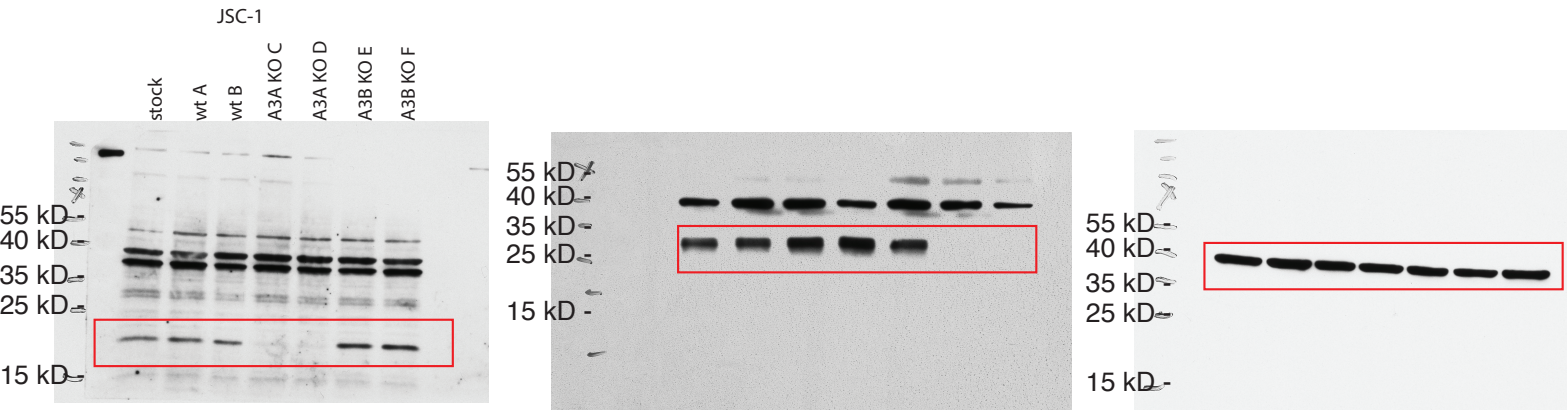
SI Figure 7. Petljak et al.

Related to Extended Data Fig. 1l

anti-A3A (01D05)

anti-A3B (Abcam)

anti-actin (reprobed)

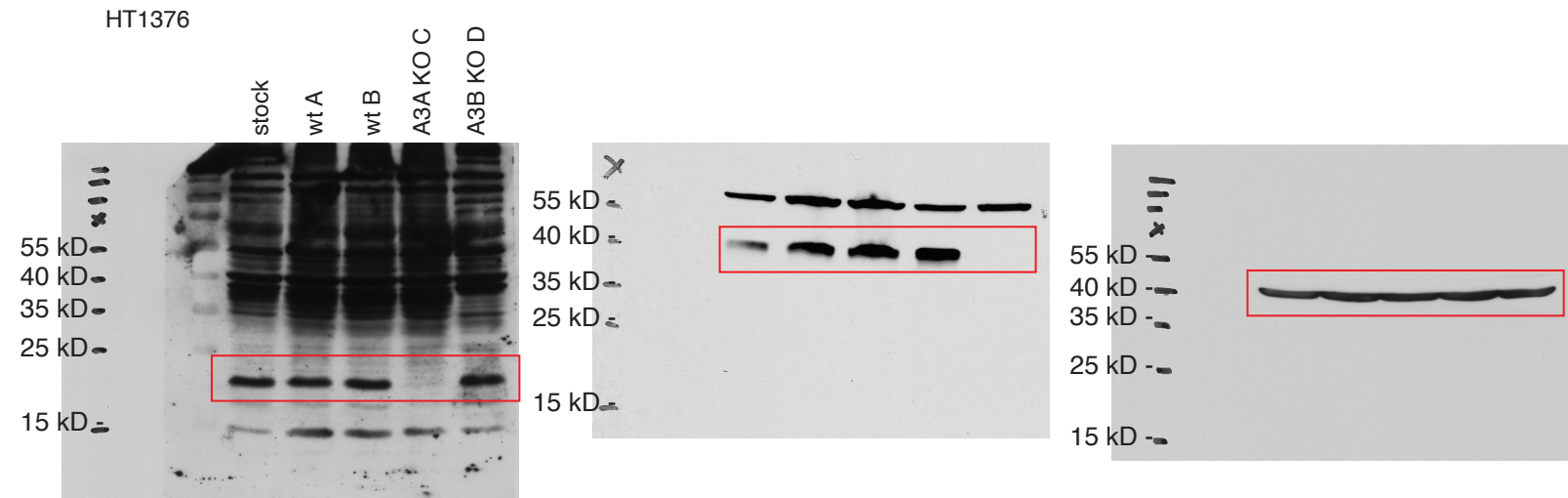


Related to Extended Data Fig. 1m

anti-A3A (01D05)

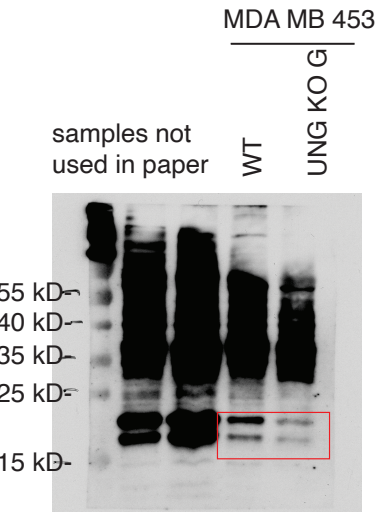
anti-A3B (Abcam)

anti-actin (reprobed)

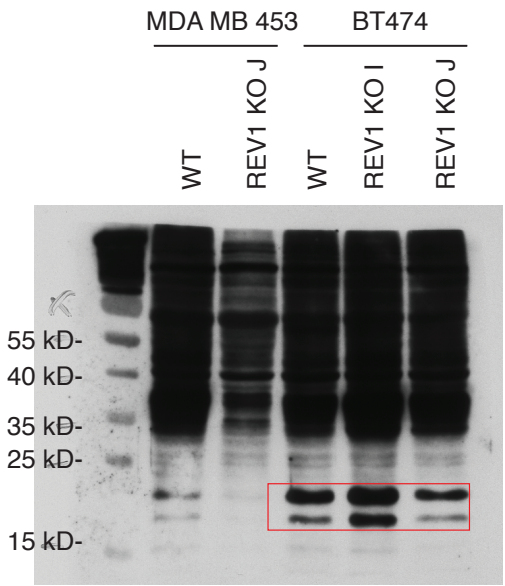


SI Figure 8. Petljak et al.

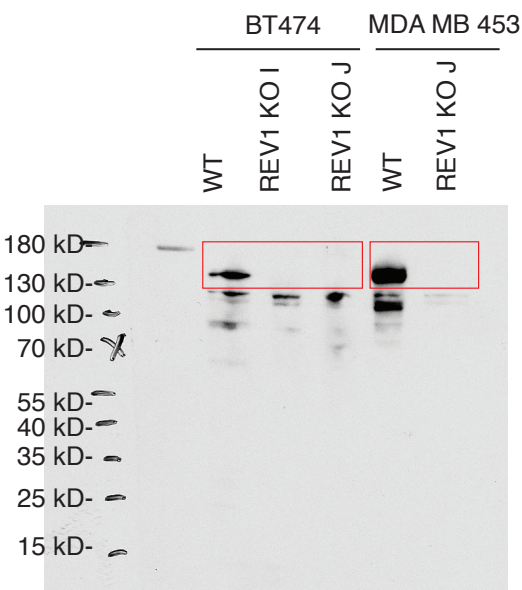
anti-A3A/B/G (04A04)
long exposure



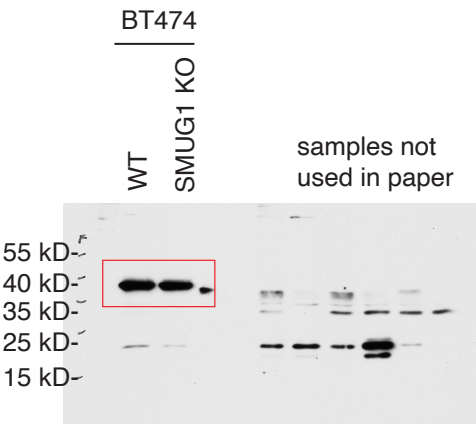
anti-A3A/B/G (04A04)



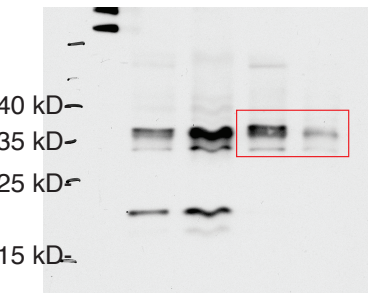
anti-REV1
(same samples as anti-A3A/B blots but
different PAGE gel)



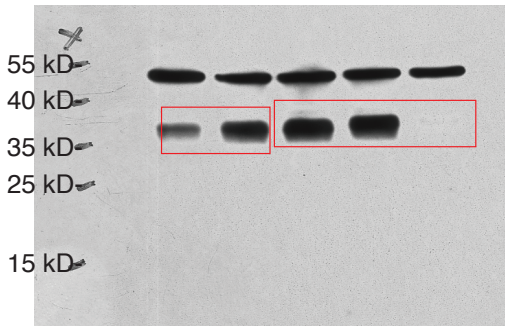
anti-A3A/B/G (04A04)
short exposure



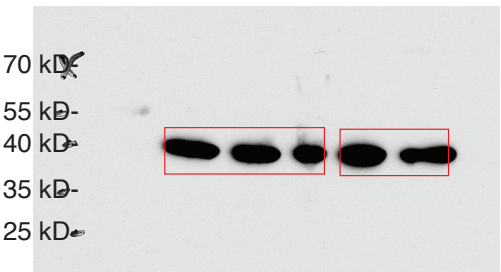
anti-A3A/B/G (04A04)
short exposure



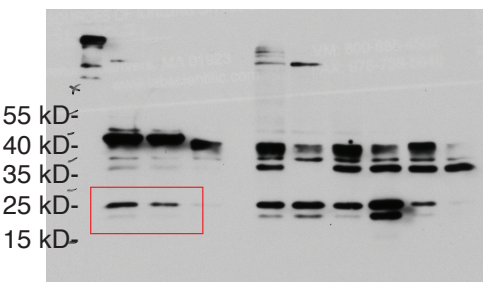
anti-A3B (Abcam)



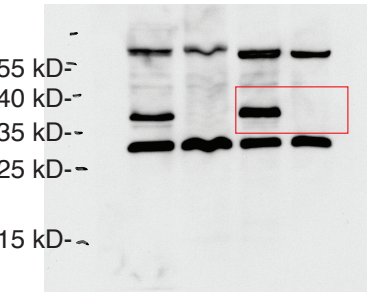
anti-actin



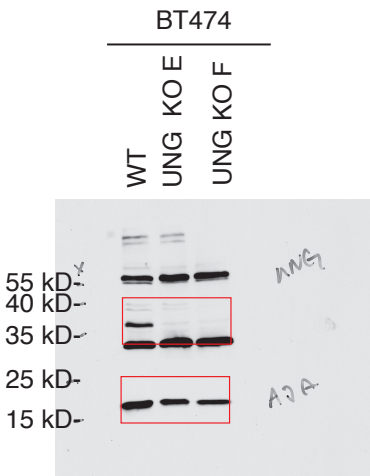
anti-A3A/B/G (04A04)
long exposure



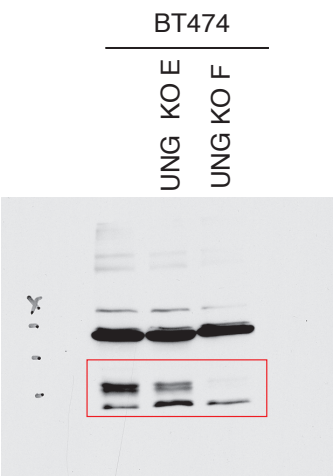
anti-UNG



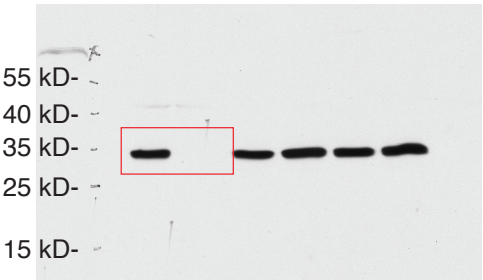
anti-A3A(01D05)



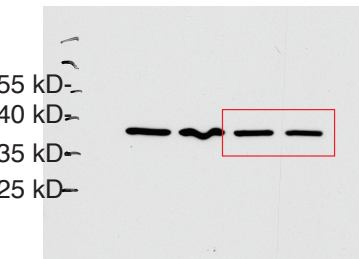
anti-A3B(Abcam)



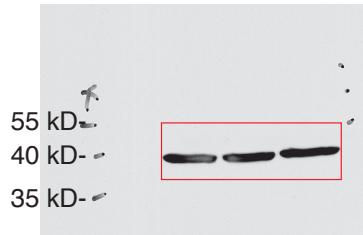
anti-SMUG1



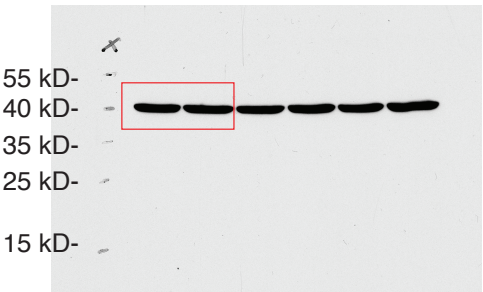
anti-actin



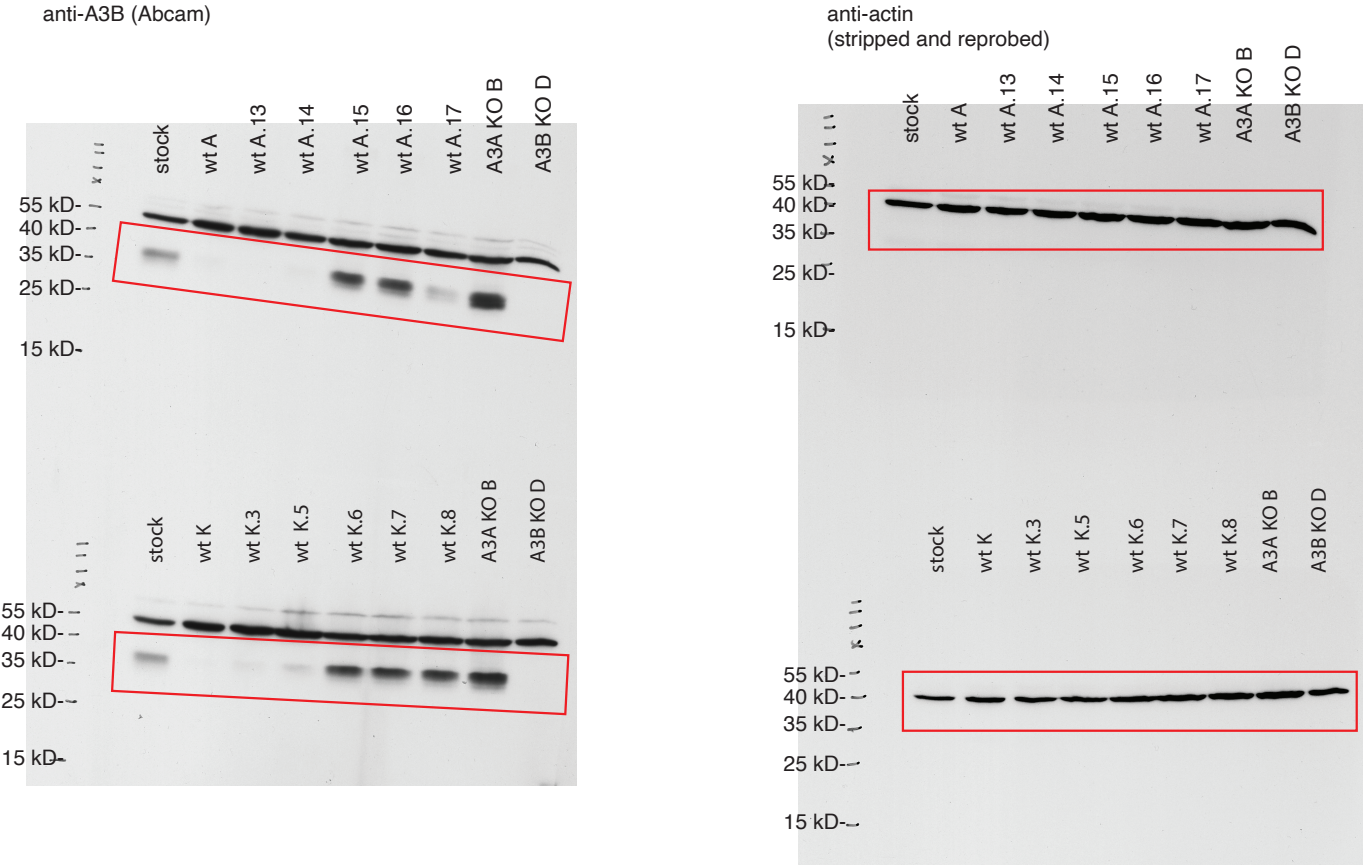
anti-actin



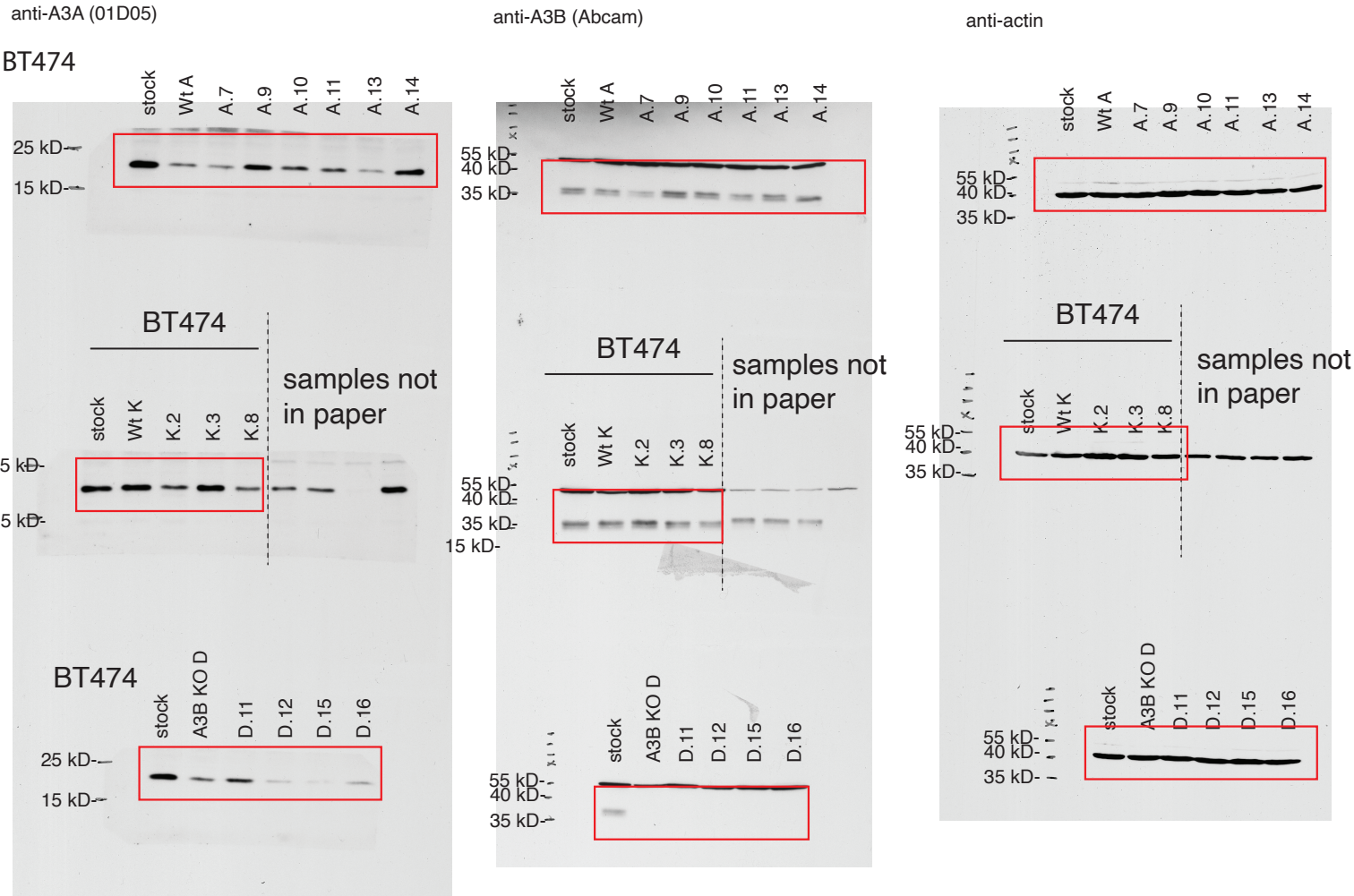
anti-actin



SI Figure 9. Petljak et al.
Related to Extended Data Fig. 7b

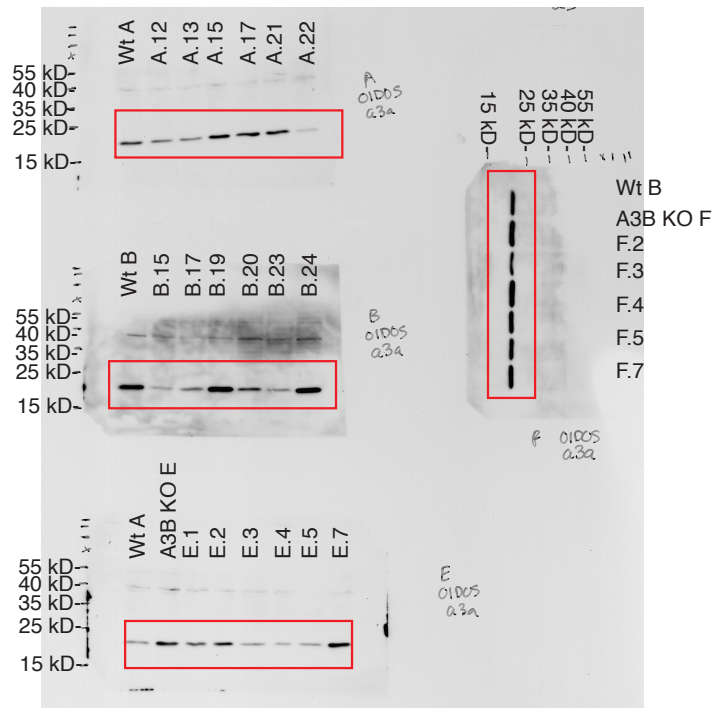


Related to Extended Data Fig. 7c

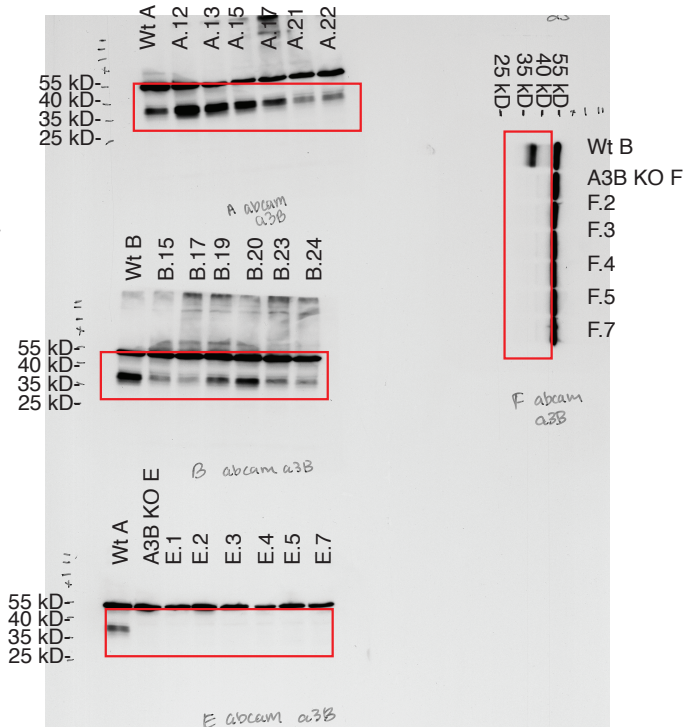


SI Figure 10. Petljak et al.

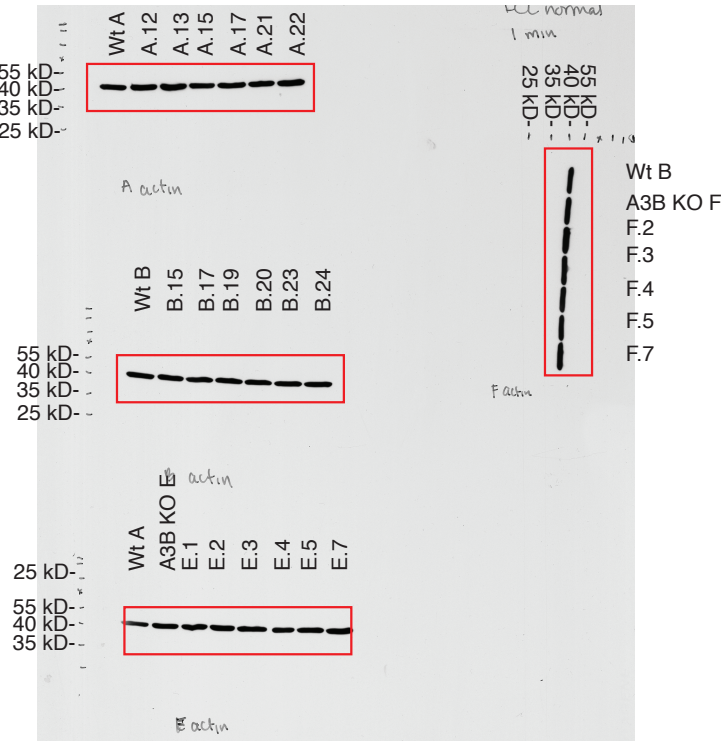
anti-A3A (01D05)



anti-A3B (Abcam)
(same samples as anti-A3A, anti-actin blots
but different PAGE gel)



anti-actin
(reprobed after anti-A3A)

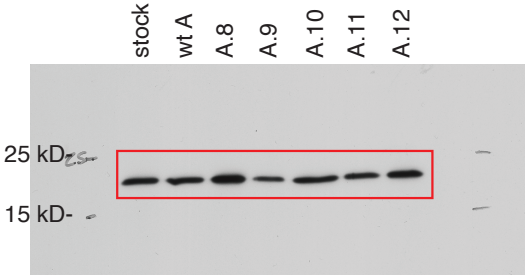


SI Figure 11. Petljak et al.

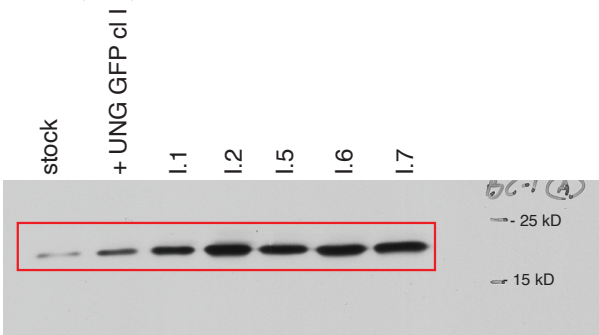
Related to Extended Data Fig. 7e

anti-A3A (01D05)

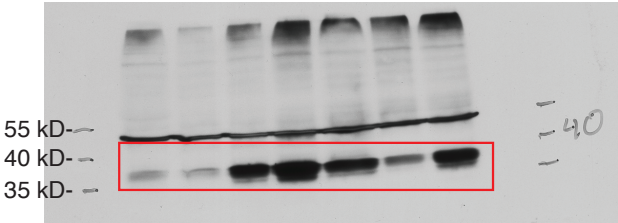
BC-1



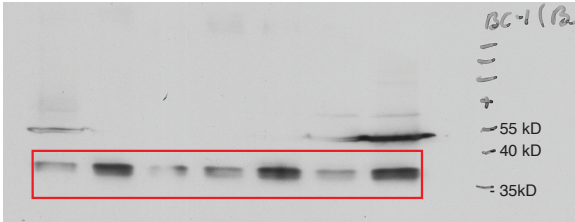
anti-A3A (01D05)



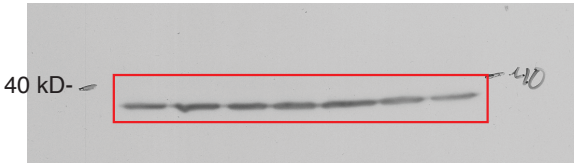
anti-A3B
(probed after anti-A3A)



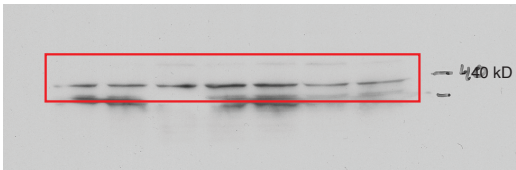
anti-A3B
(probed after anti-A3A)



anti-actin (probed after anti-A3A, anti-A3B)



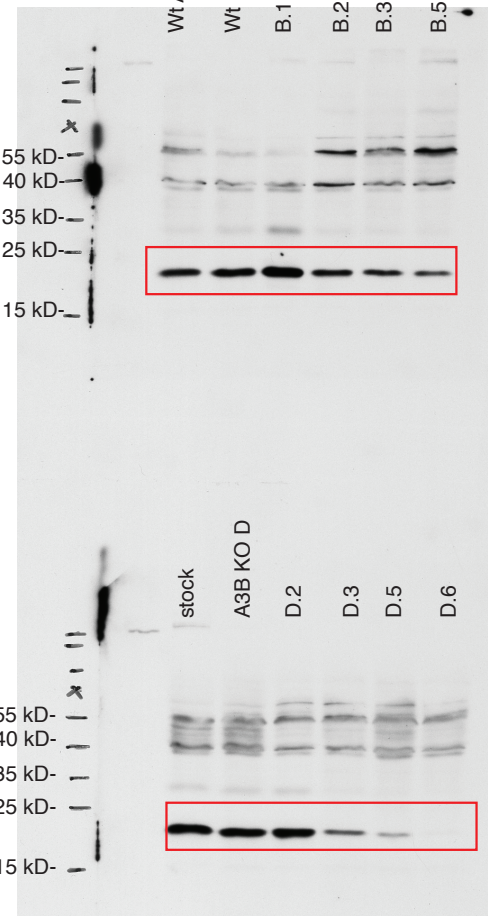
anti-actin (probed after anti-A3A, anti-A3B)



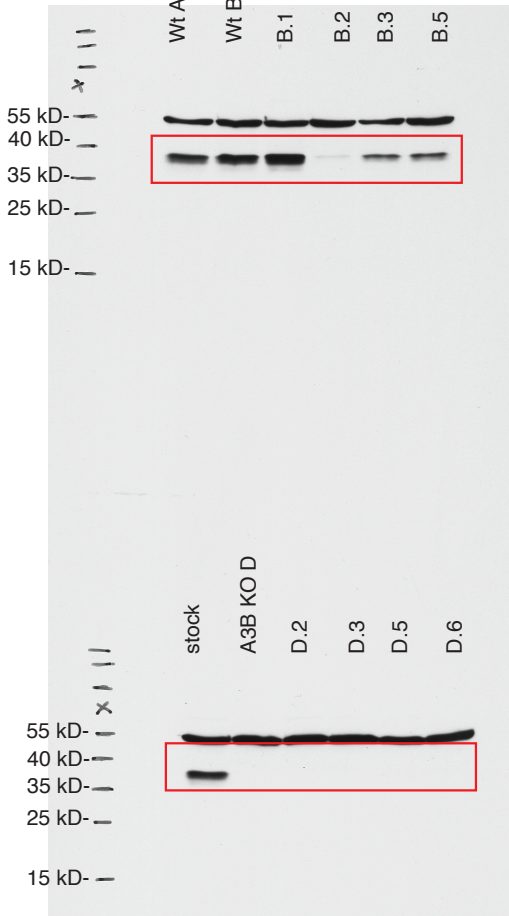
Related to Extended Data Fig. 7f

anti-A3A (01D05)

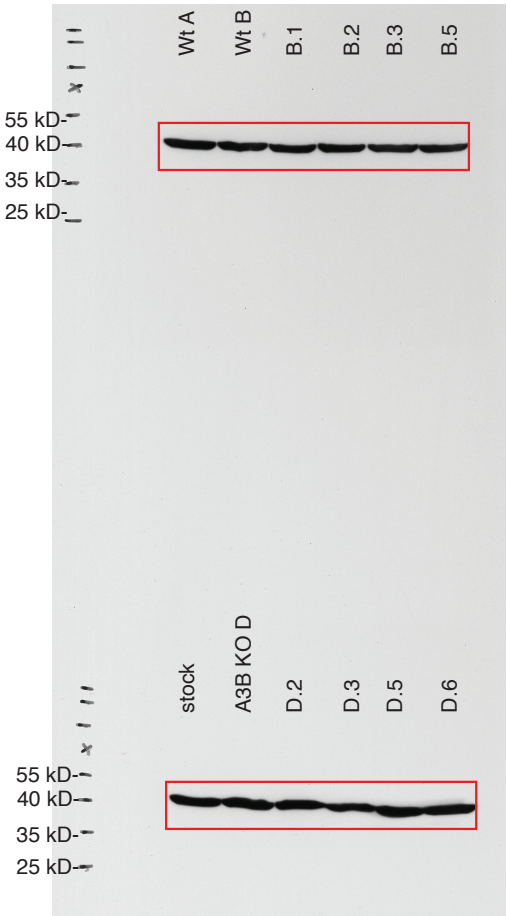
HT1376



anti-A3B (Abcam)
(probed after anti-A3A)



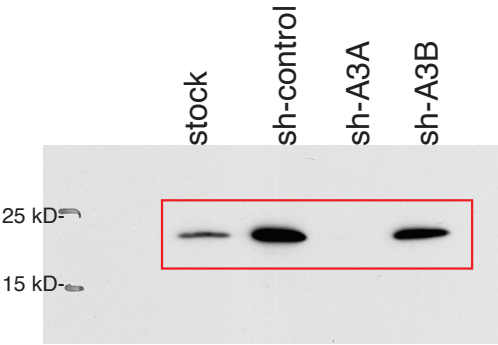
anti-actin
(probed after anti-A3A, anti-A3B)



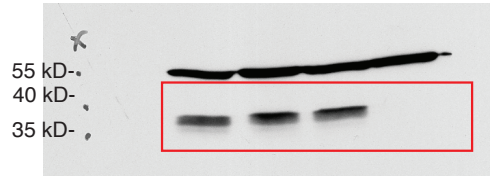
SI Figure 12. Petljak et al.

anti-A3A (01D05)

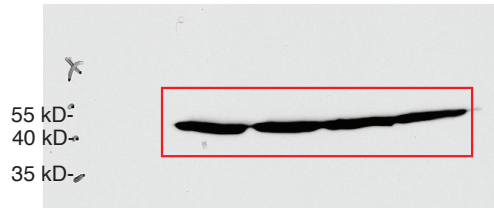
JSC-1



anti-A3B (Abcam)
(reprobed)

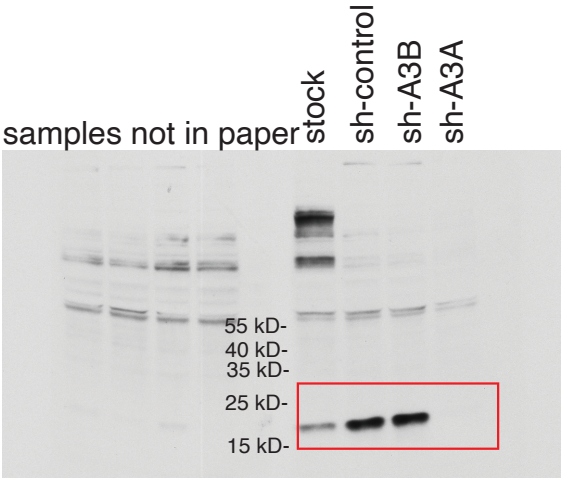


anti-actin

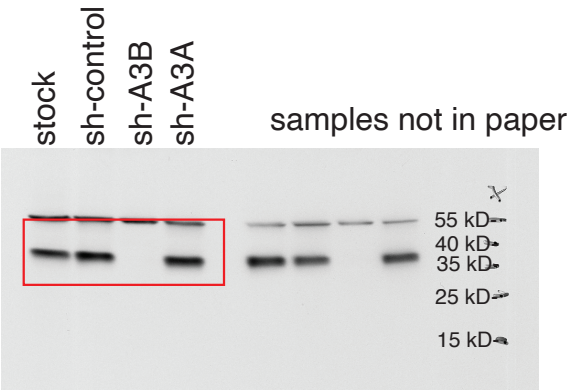


anti-A3A (01D05)

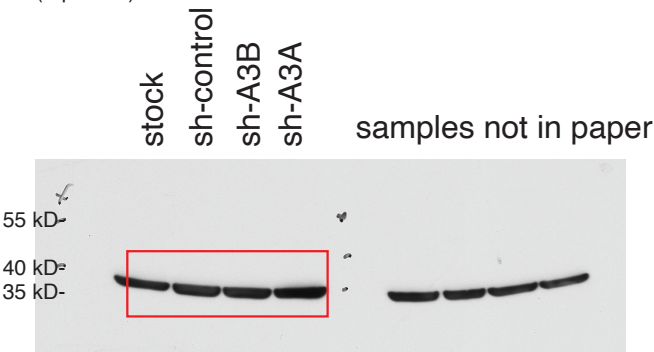
BT474



anti-A3B (Abcam)
(reprobed)

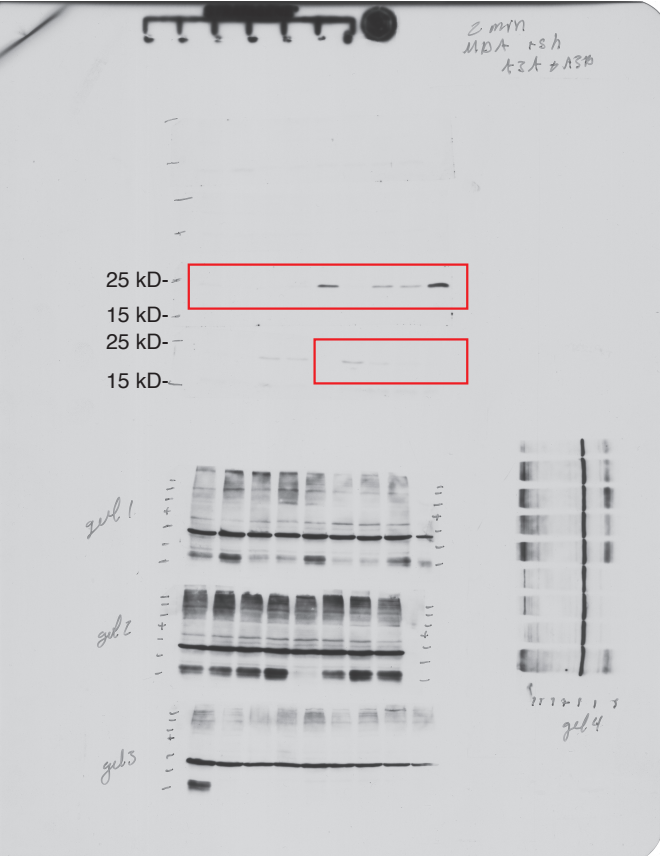


anti-actin
(reprobed)

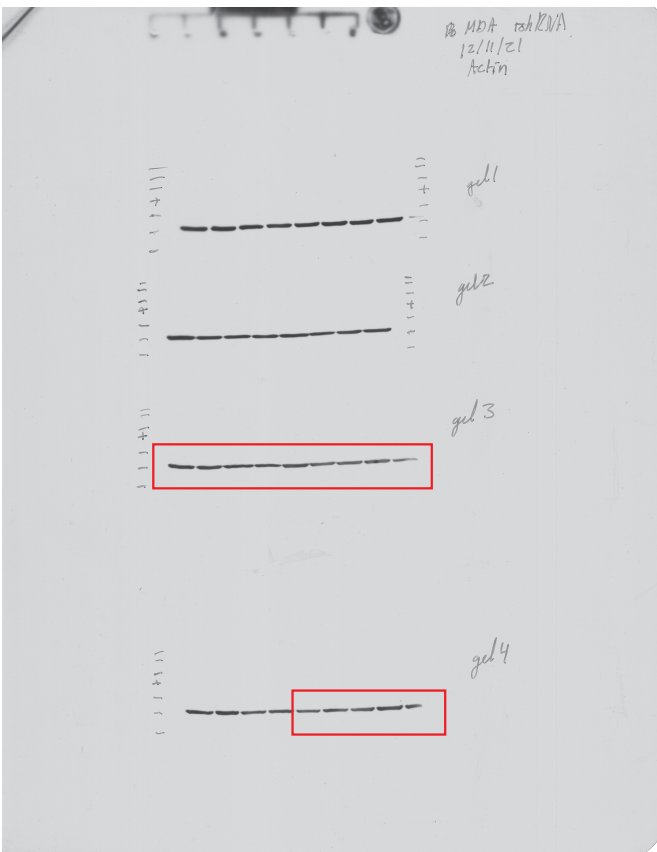


SI Figure 13. Petljak et al.

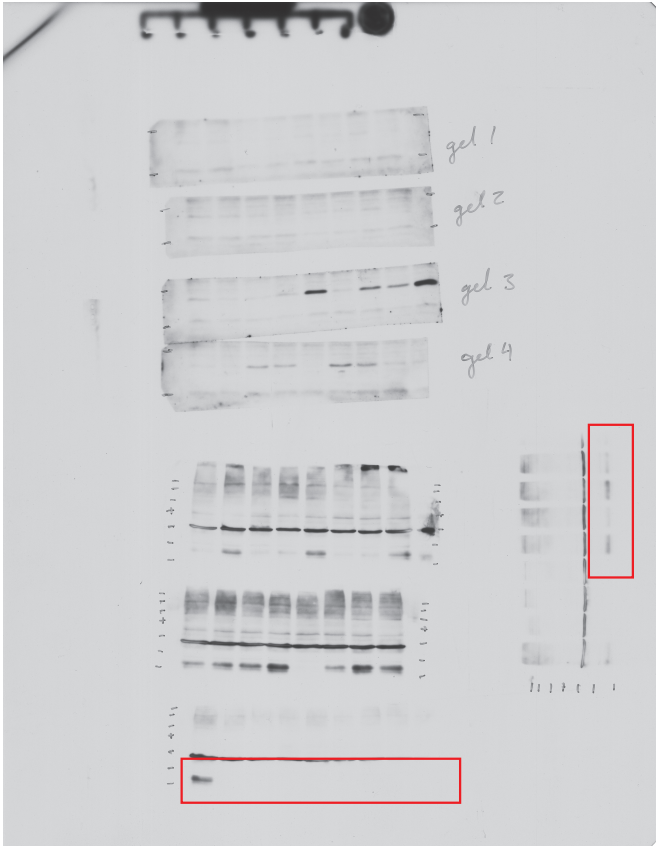
top: anti-A3A (01D05)



anti-actin

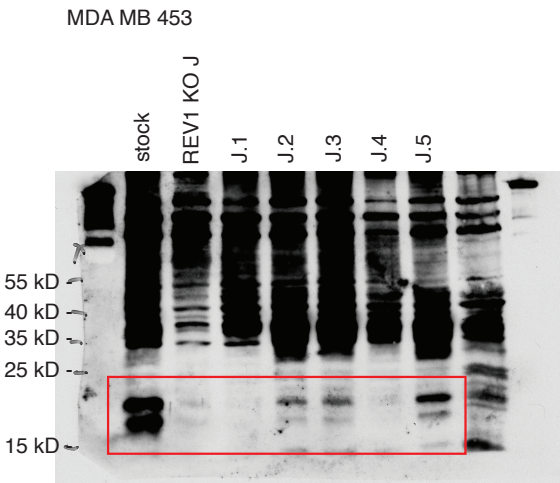


bottom: anti-A3B (Abcam)



SI Figure 14. Petljak et al.

anti-A3A/B/G (04A04)



anti-actin (reprobed)

