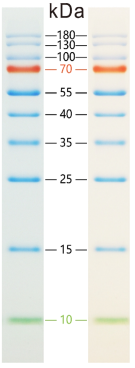
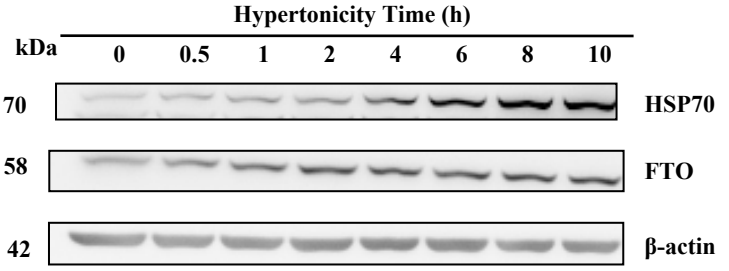
Additional file 1.
Uncropped immunoblot images for Figures 1–3

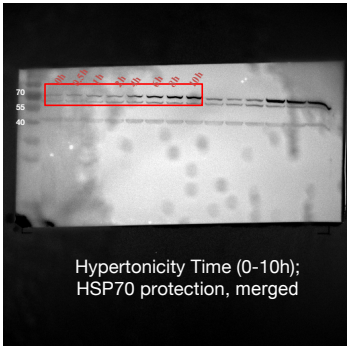
Figure 1-B

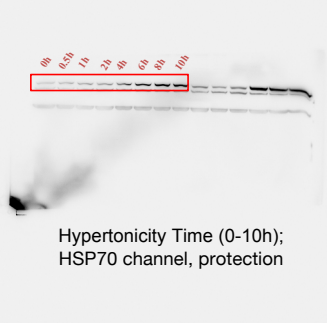


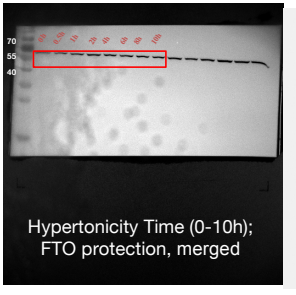


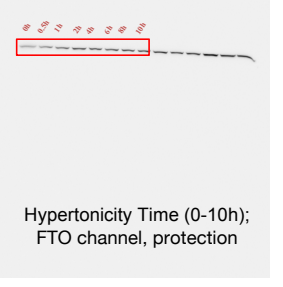
Replicate #1

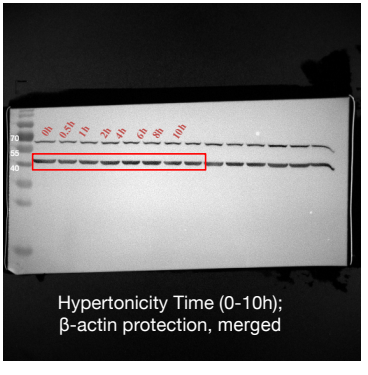
Uncropped immunoblots for Fig. 1B— Biological replicate 1. Red boxes indicate the regions displayed in Fig. 1B.











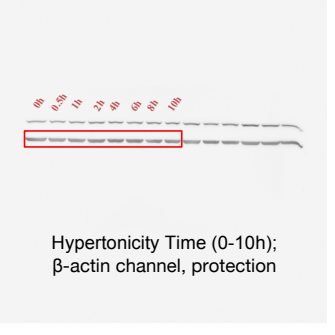
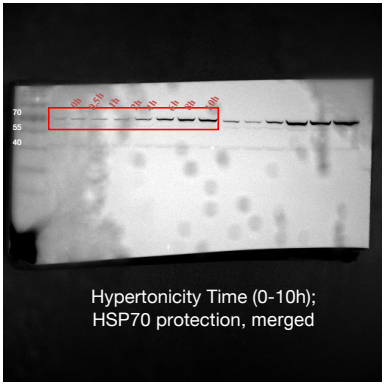


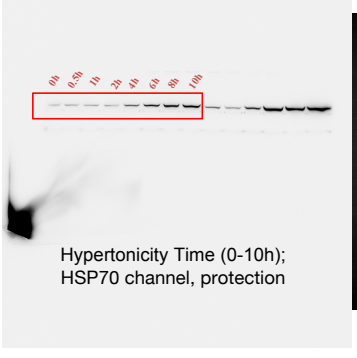
Figure 1-B

Replicate #2:

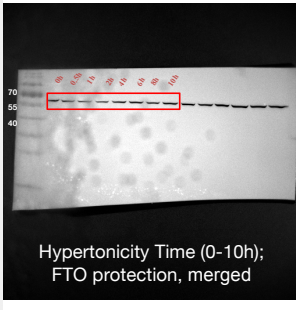
Uncropped immunoblots for Fig. 1B — Biological replicate 2



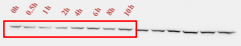
Hypertonicity Time (0-10h);
HSP70 protection, merged



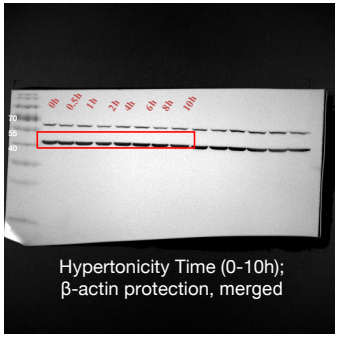
Hypertonicity Time (0-10h);
HSP70 channel, protection



Hypertonicity Time (0-10h);
FTO protection, merged



Hypertonicity Time (0-10h);
FTO channel, protection



Hypertonicity Time (0-10h);
β-actin protection, merged

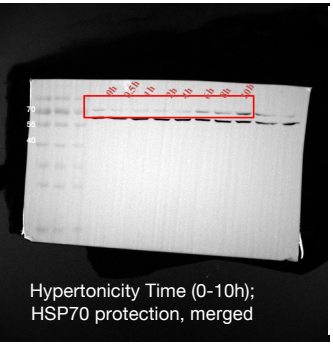


Hypertonicity Time (0-10h);
β-actin channel, protection

Figure 1- B

Replicate #3:

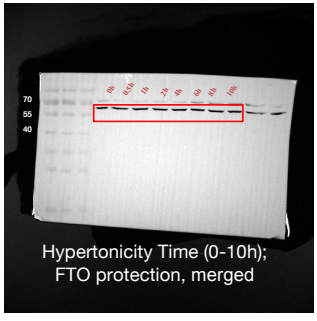
Uncropped immunoblots for Fig. 1B — Biological replicate 3



Hypertonicity Time (0-10h);
HSP70 protection, merged



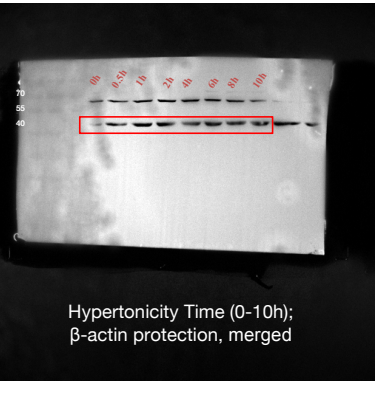
Hypertonicity Time (0-10h);
HSP70 channel, protection



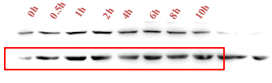
Hypertonicity Time (0-10h);
FTO protection, merged



Hypertonicity Time (0-10h);
FTO channel, protection

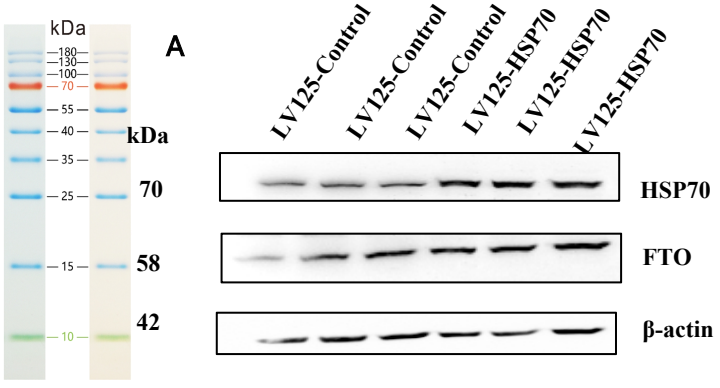


Hypertonicity Time (0-10h);
β-actin protection, merged

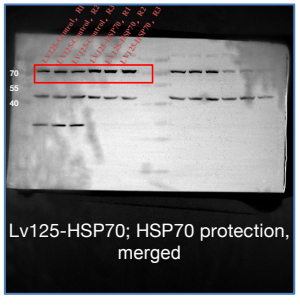


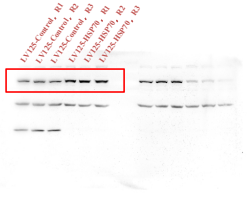
Hypertonicity Time (0-10h);
β-actin channel, protection

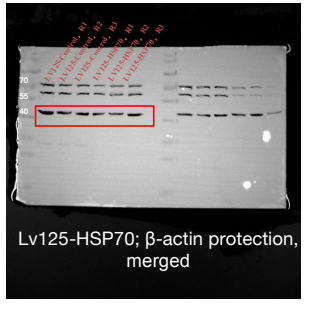
Figure 2-A:

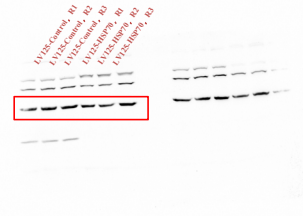


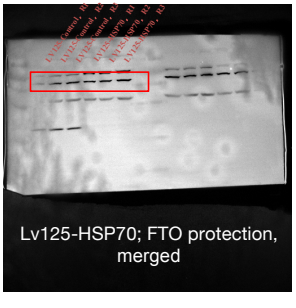
Uncropped immunoblots for Fig. 2A
Red boxes indicate the regions displayed in Fig. 2A. Lane labels give the group and replicate (R1-R3).


Lv125-HSP70; HSP70 protection, merged


Lv125-HSP70; HSP70 channel, protection


Lv125-HSP70; β-actin protection, merged


Lv125-HSP70; β-actin channel, protection


Lv125-HSP70; FTO protection, merged

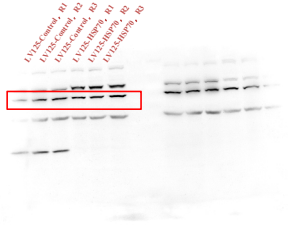
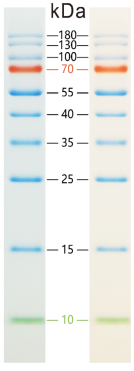
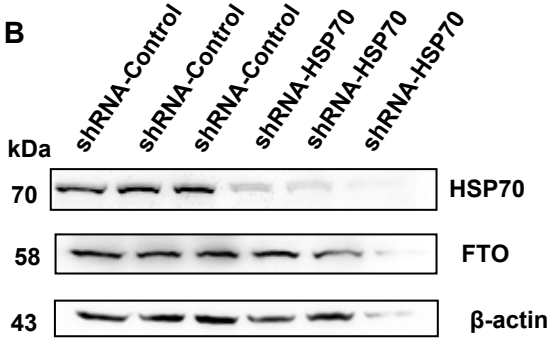
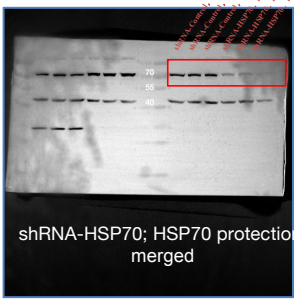

Lv125-HSP70; FTO channel, protection

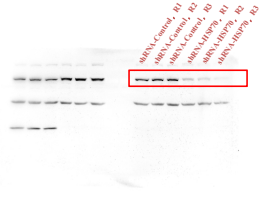
Figure 2-B:



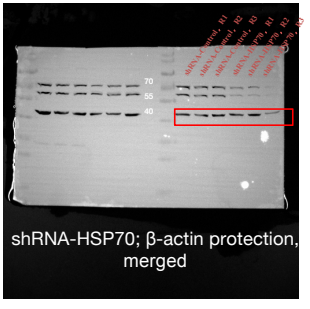


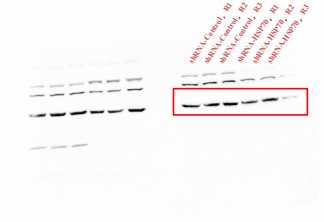
Uncropped immunoblots for Fig. 2B
Red boxes indicate the regions displayed in Fig. 2B. Lane labels give the group and replicate (R1-R3).



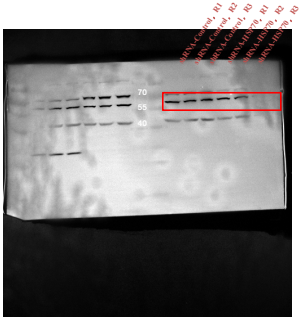


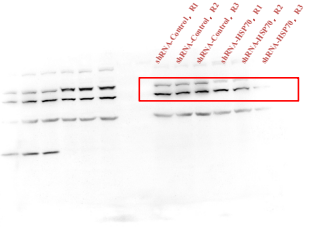
shRNA-HSP70; HSP70 channel, protection





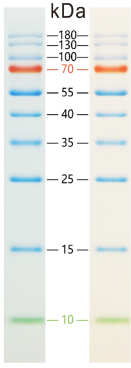
shRNA-HSP70; β-actin channel, protection

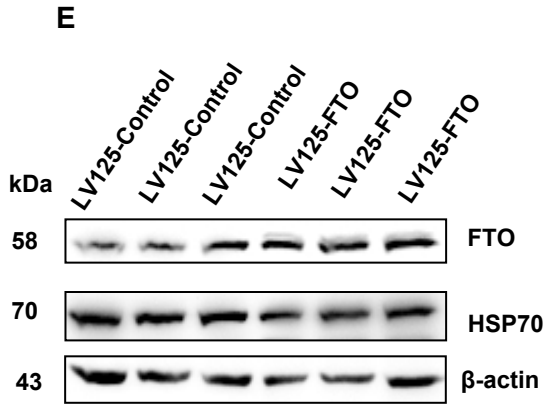




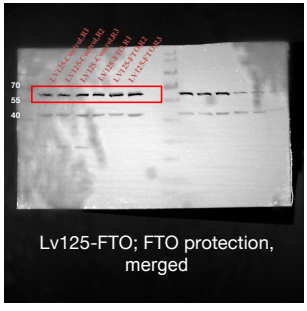
shRNA-HSP70; FTO channel, protection

Figure 2-E:

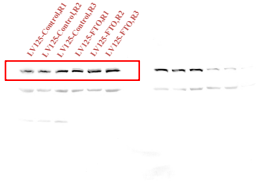




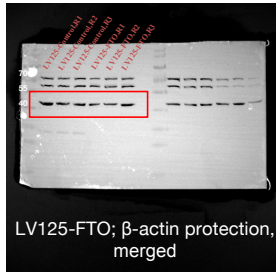
Uncropped immunoblots for Fig. 2E
Red boxes indicate the regions displayed in Fig. 2E. Lane labels give the group and replicate (R1-R3).



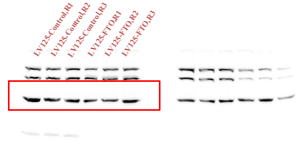
Lv125-FTO; FTO protection, merged



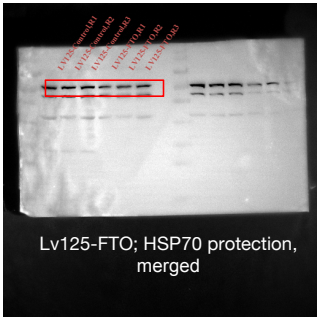
LV125-FTO; FTO channel, protection



LV125-FTO; β-actin protection, merged



LV125-FTO; β-actin channel, protection

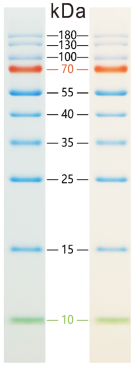


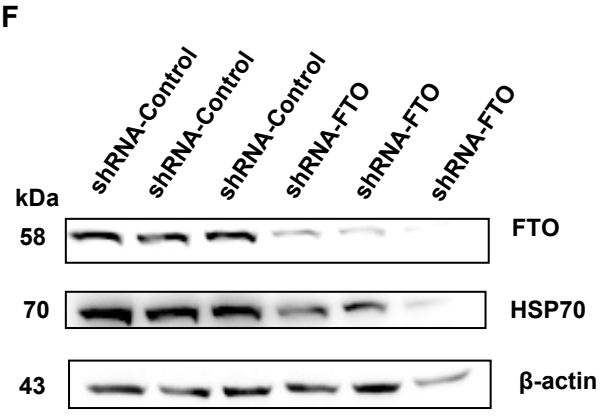
Lv125-FTO; HSP70 protection, merged



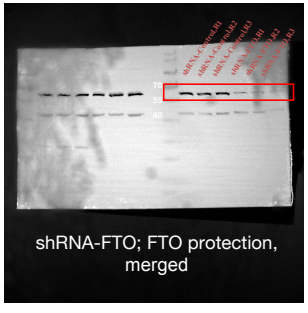
LV125-FTO;HSP70 channel, protection

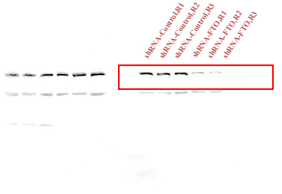
Figure 2-F:

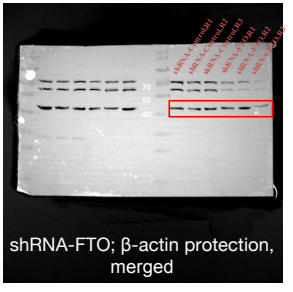




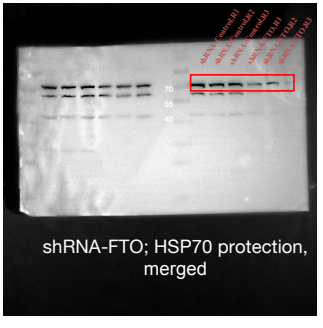
Uncropped immunoblots for Fig. 2F
Red boxes indicate the regions displayed in Fig. 2F. Lane labels give the group and replicate (R1-R3).


shRNA-FTO; FTO protection, merged


shRNA-FTO; FTO channel, protection

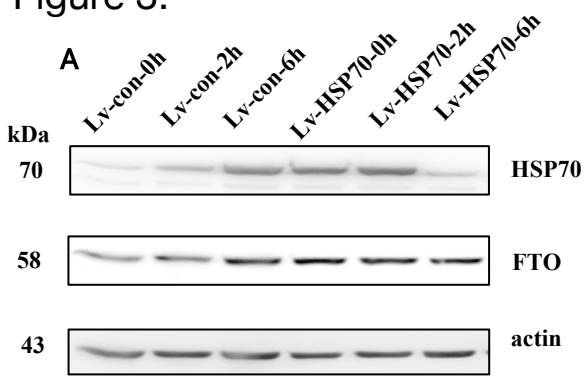

shRNA-FTO; β-actin protection, merged

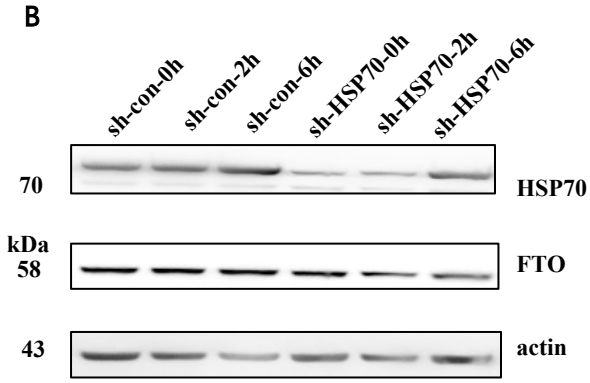

shRNA-FTO; β-actin channel, protection


shRNA-FTO; HSP70 protection, merged


shRNA-FTO;HSP70 channel, protection

Figure 3:

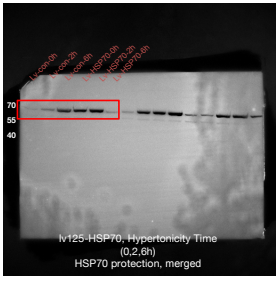


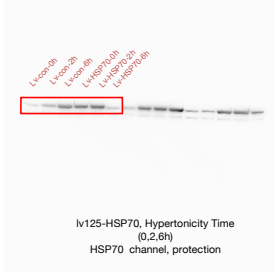


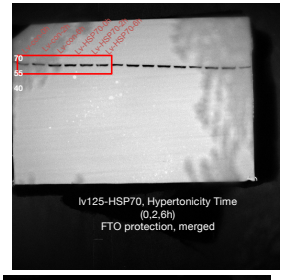
Replicate #1

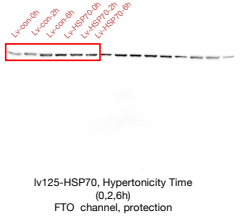
Uncropped immunoblots for Fig. 3A and 3B — Biological replicate 1.Red boxes indicate the regions displayed in Fig. 3A and 3B.

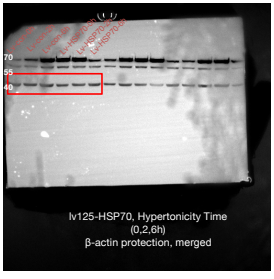
Figure 3-A:











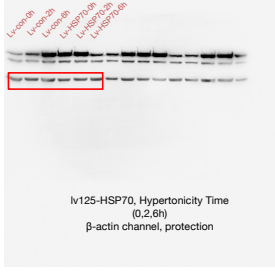
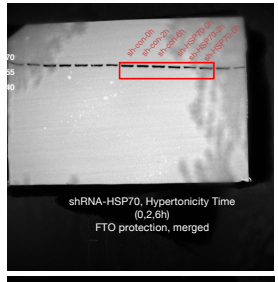
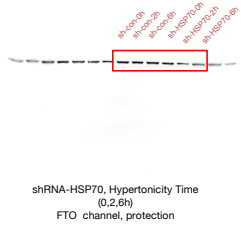


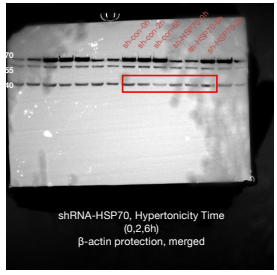
Figure 3-B:











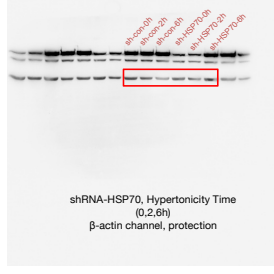
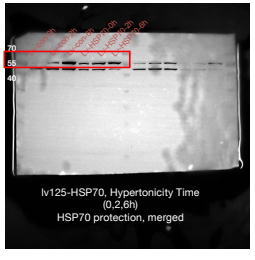
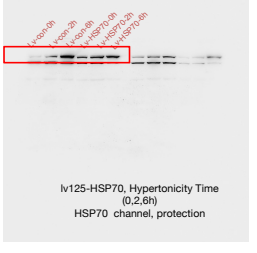


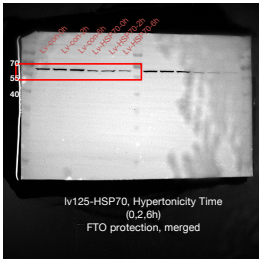
Figure 3:

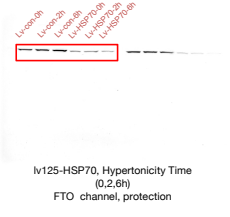
Replicate #2
Uncropped immunoblots for Figs. 3A and 3B — Biological replicate 2

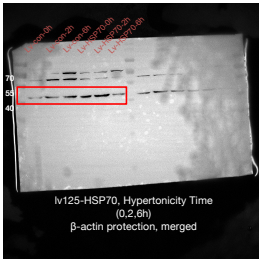
Figure 3-A:











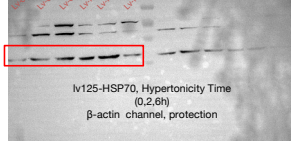
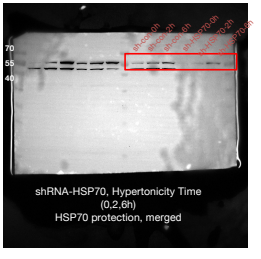
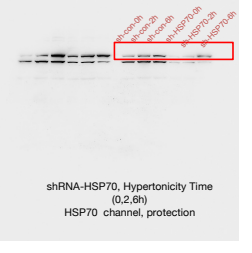
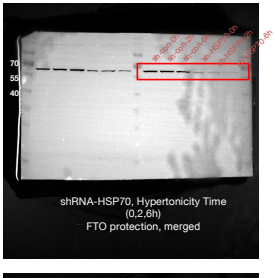
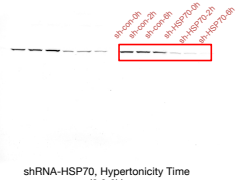


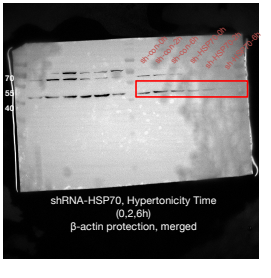
Figure 3-B:











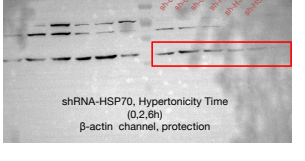
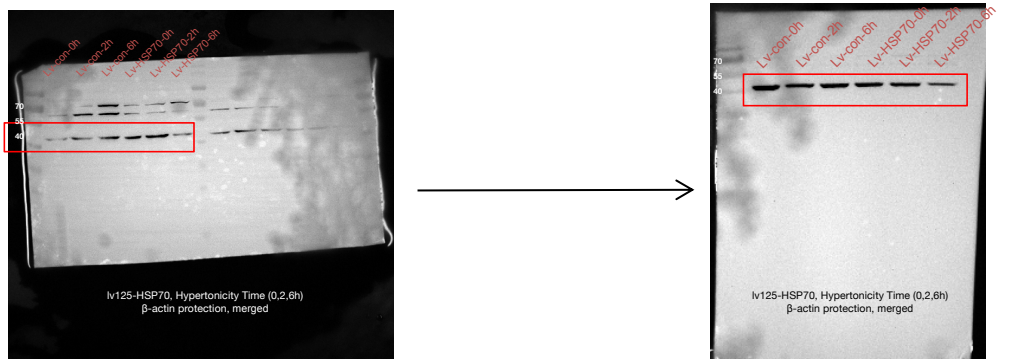
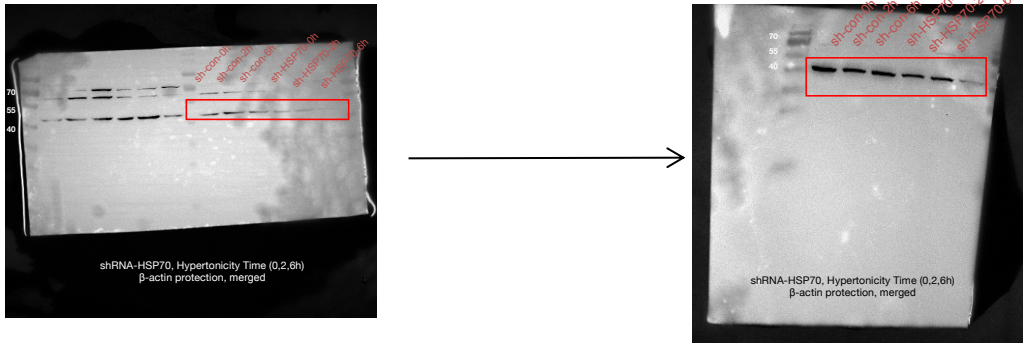


Figure 3:

Figure 3（Replicate #2）:β-actin loading control re-profiling





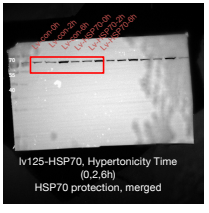
Left: initial β-actin detection after stripping and reprobing the HSP70 blot. Right: β-actin detected on a separate blot after the same sample lysates were run on another gel and transferred to a new membrane. The right-hand signals were matched by sample and used to normalize FTO and HSP70 band intensities in Fig. 3C and D for this biological replicate.

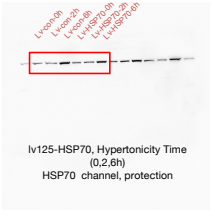
Figure 3:

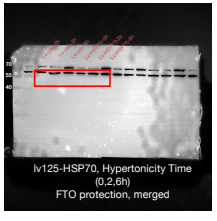
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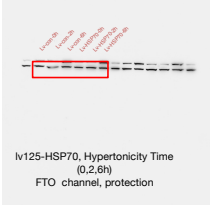
Uncropped immunoblots for Figs. 3A and 3B — Biological replicate 3

Figure 3-A:











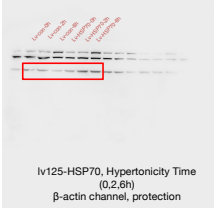
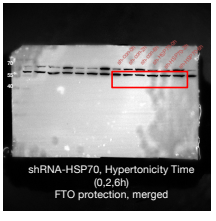
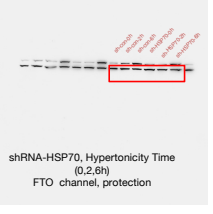


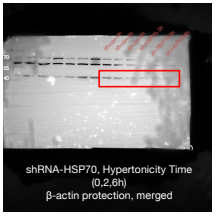
Figure 3-B:











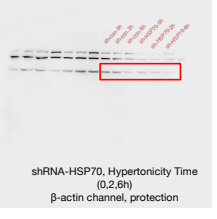
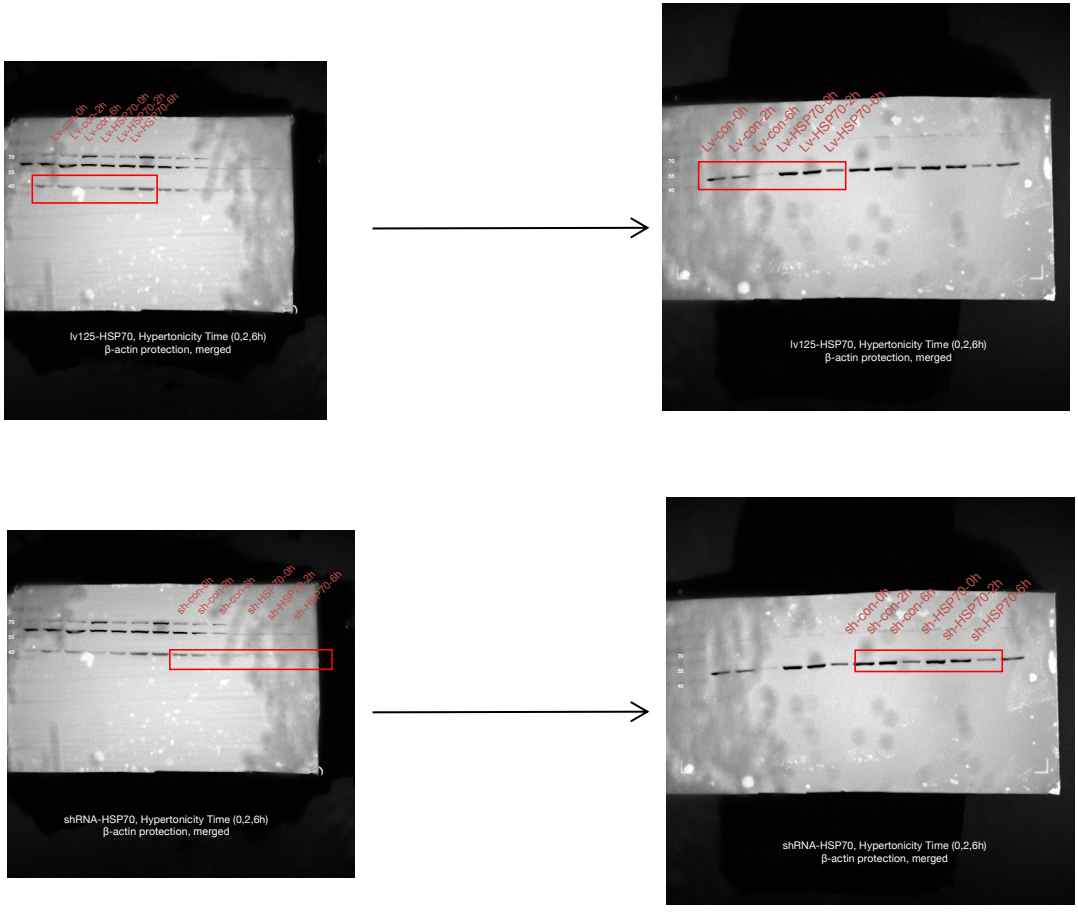


Figure 3:

Figure 3（Replicate #3）:β-actin loading control re-profiling



Left: initial β-actin detection after stripping and reprobing the HSP70 blot. Right: β-actin detected on a separate blot after the same sample lysates were run on another gel and transferred to a new membrane. The right-hand signals were matched by sample and used to normalize FTO and HSP70 band intensities in Fig. 3C and D for this biological replicate.