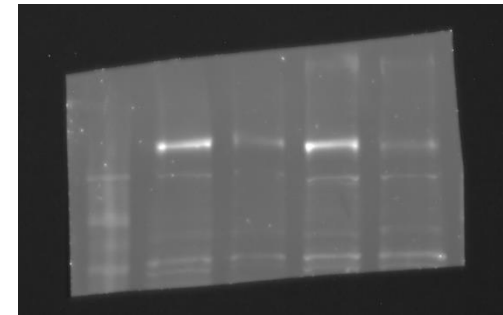
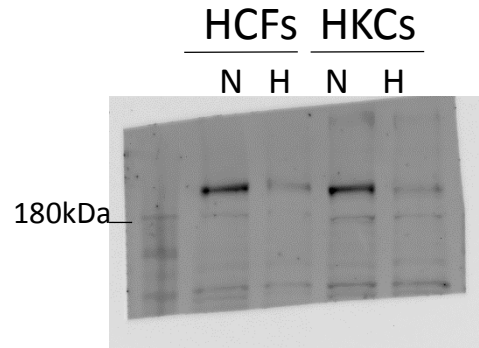


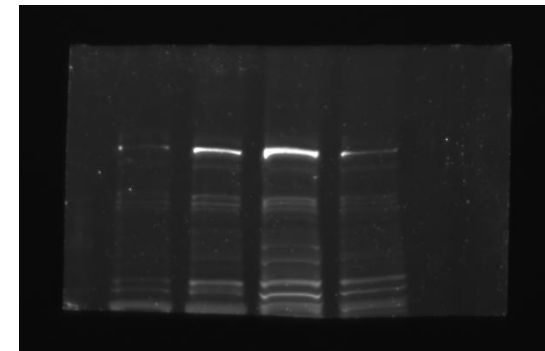
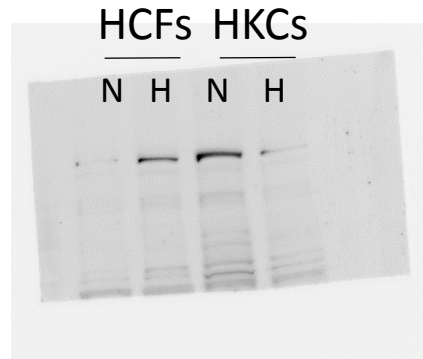
ACC



Uncropped,
non-inverted
blot

Uncropped western blot of protein isolated from HCFs and HKCs following hypoxia exposure. Blot was cut following blocking and prior to incubation with primary antibody.

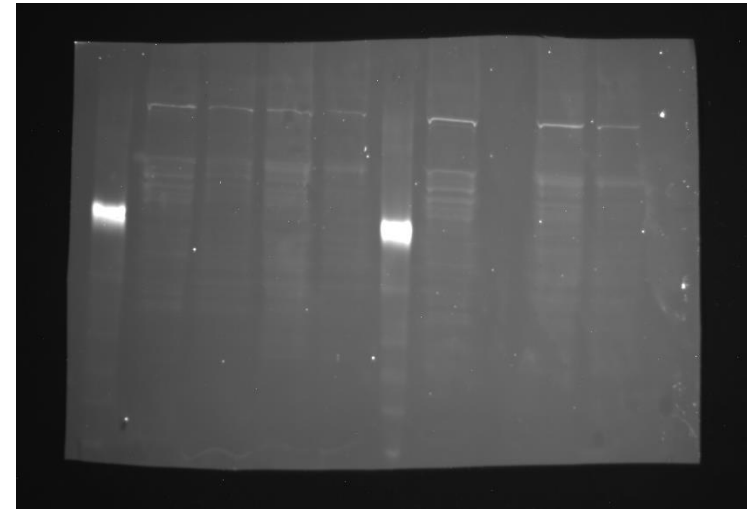
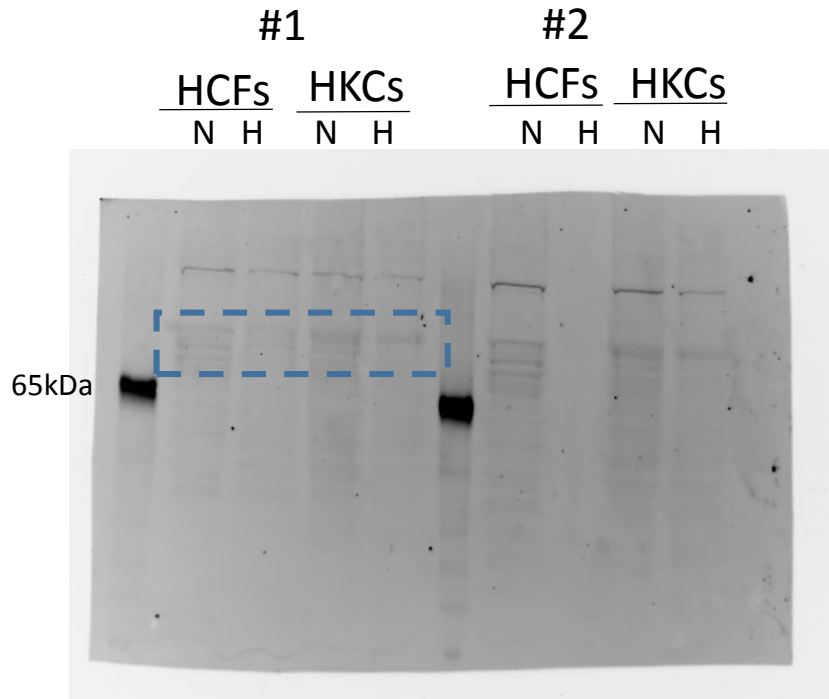
HIF-1 α



Uncropped,
non-inverted
blot

Uncropped western blot of protein isolated from HCFs and HKCs following hypoxia exposure. Blot was cut following blocking and prior to incubation with primary antibody.

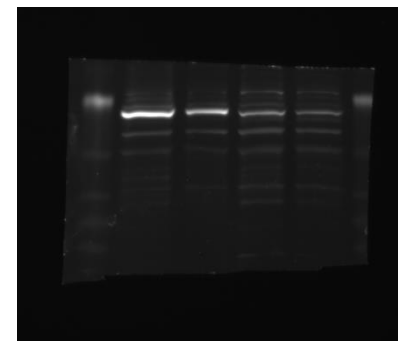
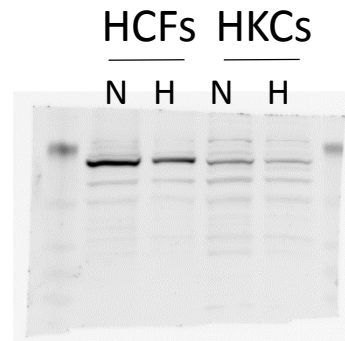
ARNT



Uncropped,
non-inverted
blot

Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure. Dashed blue box denotes cropped area shown in Fig 1A. Blot was cut following blocking and prior to incubation with primary antibody.

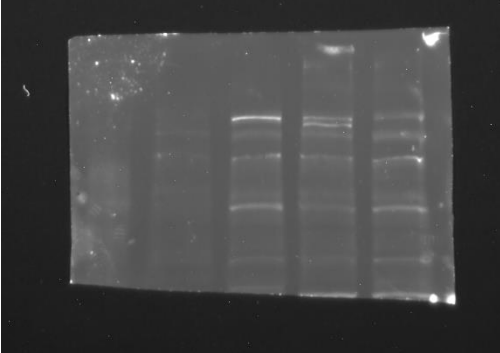
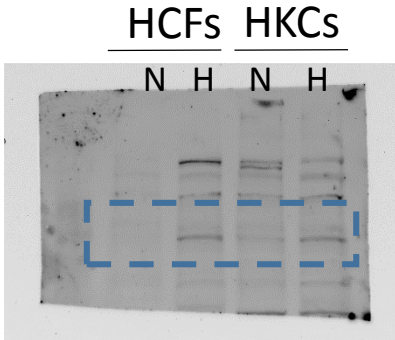
MCD



Uncropped,
non-inverted
blot

Uncropped western blot of protein isolated from HCFs and HKCs following hypoxia exposure. Blot was cut following blocking and prior to incubation with primary antibody.

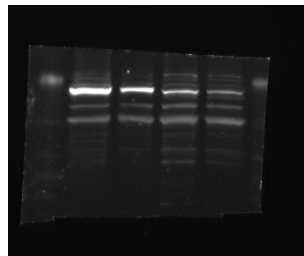
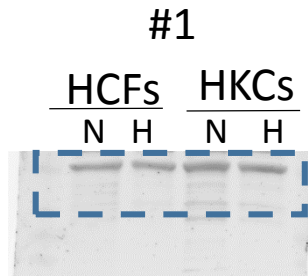
Lactoferrin



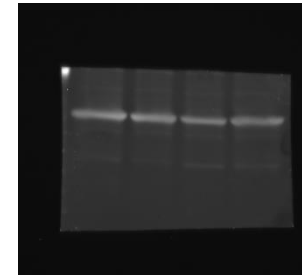
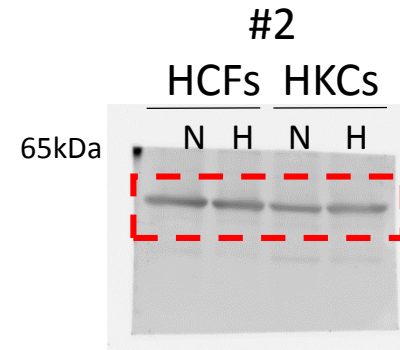
Uncropped,
non-inverted
blot

Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure. Dashed blue box denotes cropped area shown in Fig 1A. Blot was cut following blocking and prior to incubation with primary antibody.

GAPDH



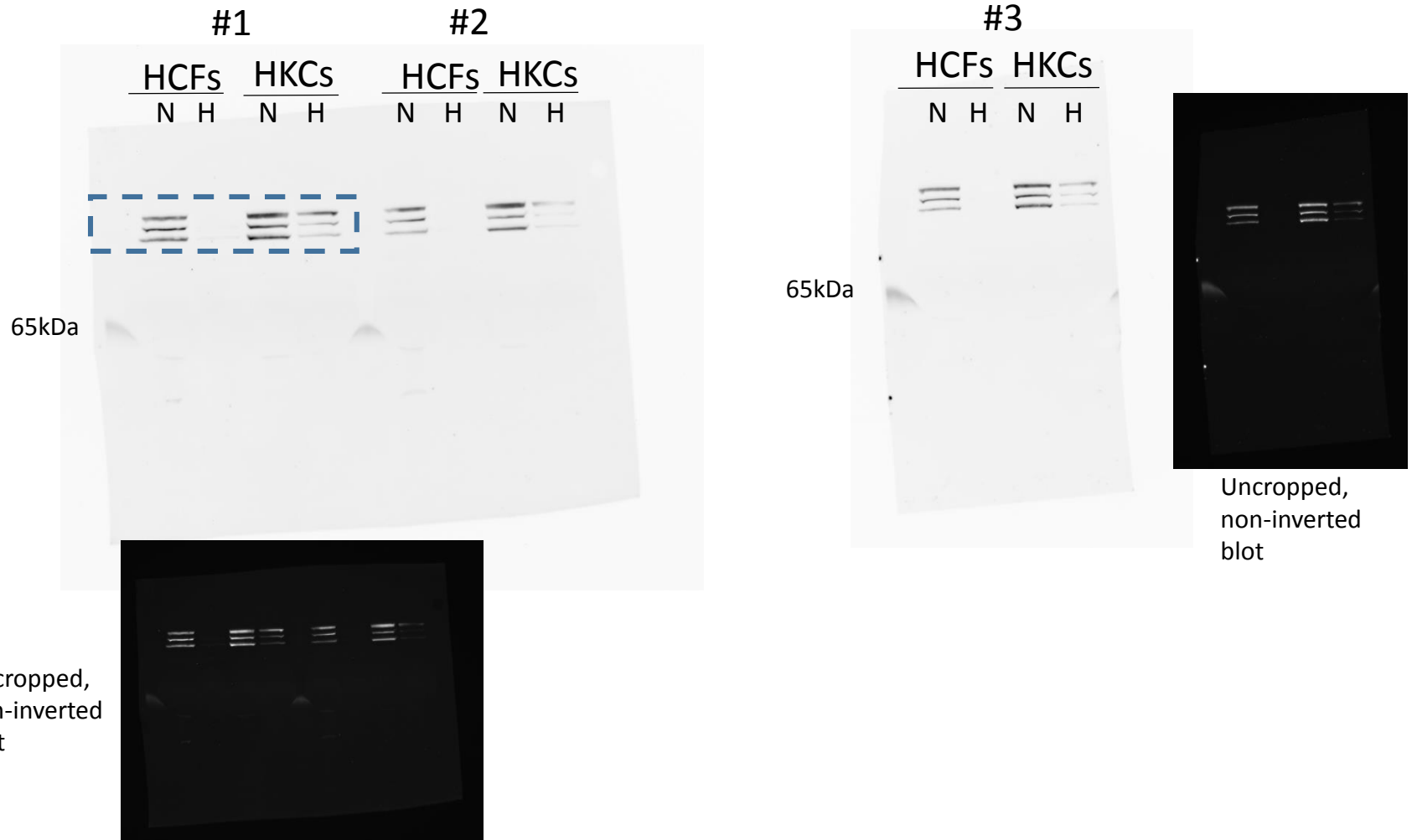
Uncropped,
non-inverted
blot



Uncropped,
non-inverted
blot

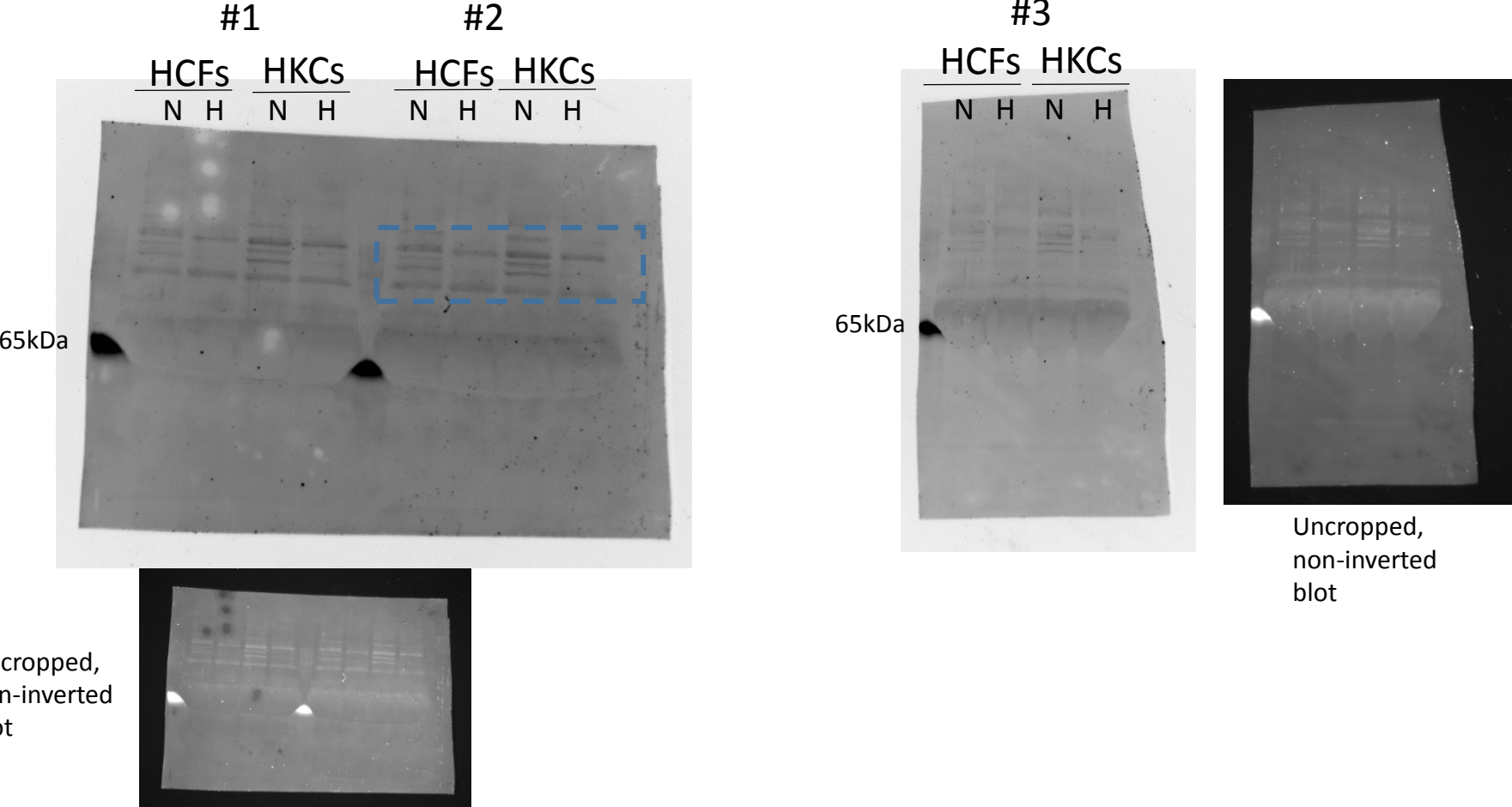
Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure. Dashed blue box denotes cropped area shown in Fig 1A and dashed red box denotes cropped area shown in Fig 3A. Blot was cut following blocking and prior to incubation with primary antibody.

Collagen I



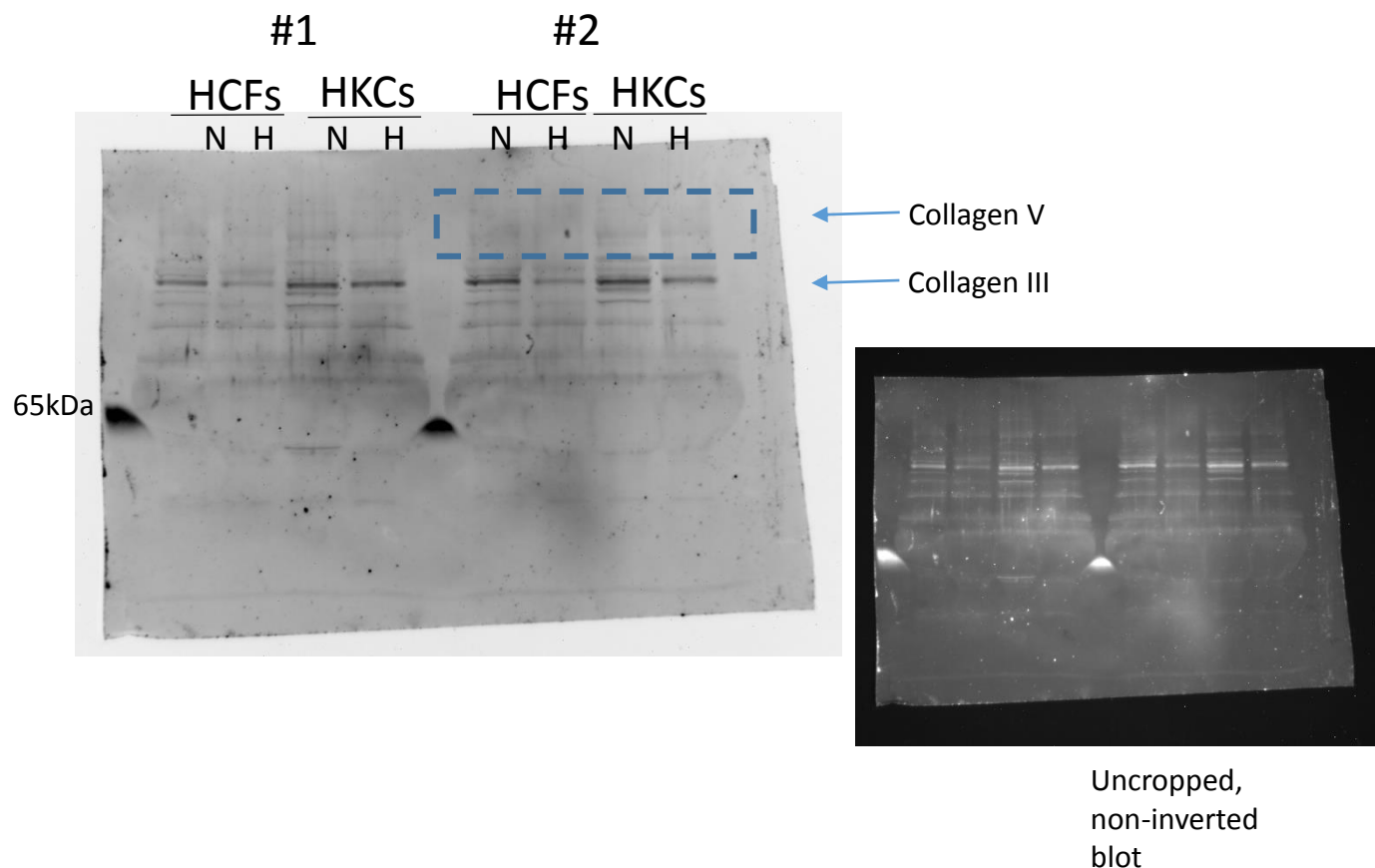
Uncropped blots of media isolated from HCFs and HKCs following hypoxia exposure for 3 replicates. Dashed blue box denotes cropped area shown in Fig 2.

Collagen III



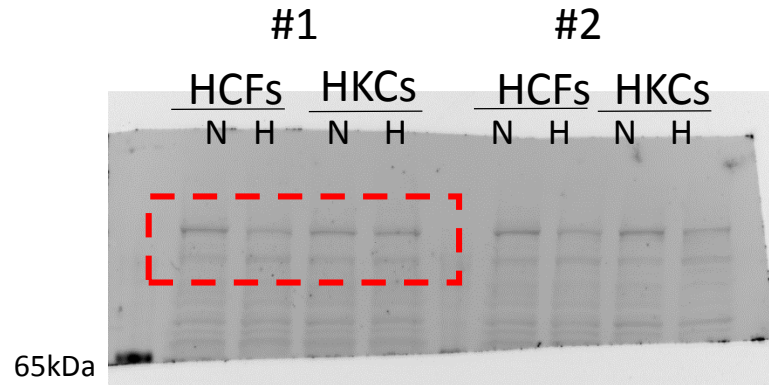
Uncropped blots of media isolated from HCFs and HKCs following hypoxia exposure for 3 replicates. Dashed blue box denotes cropped area shown in Fig 2. Large non-specific binding at 65kDa likely corresponds to albumin, a protein found in media containing FBS.

Collagen V

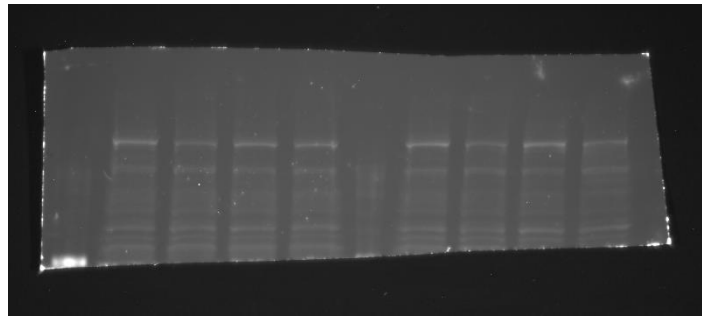


Uncropped blots of media isolated from HCFs and HKCs following hypoxia exposure for 2 replicates. Collagen III blot shown on previous page was re-probed with Collagen V antibody. Dashed blue box denotes cropped area shown in Fig 2.

MMP-9

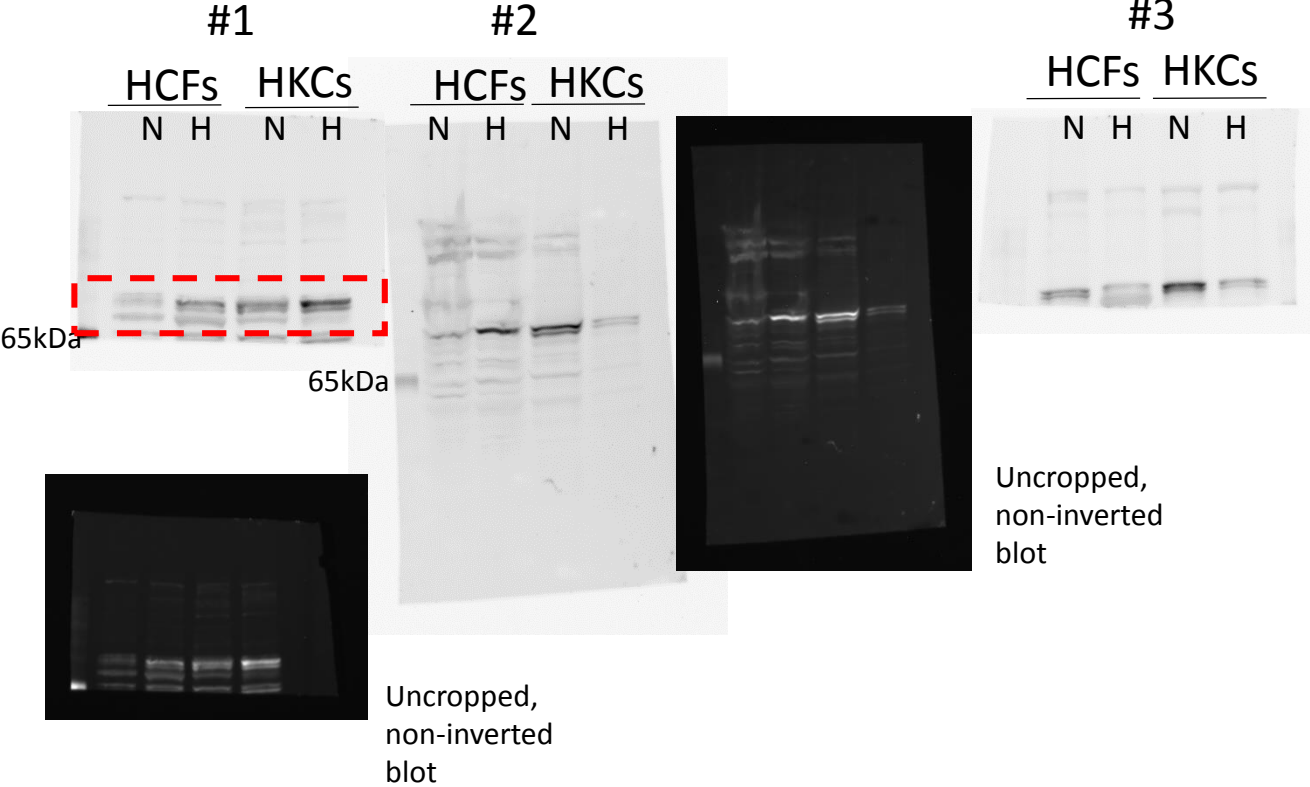


Uncropped,
non-inverted
blot



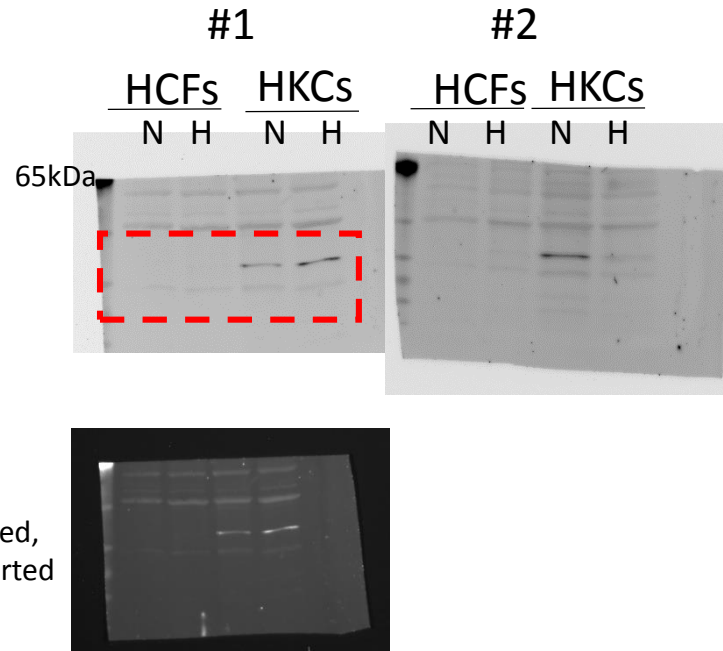
Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure. Dashed red box denotes cropped area shown in Fig 3A.

MMP-2



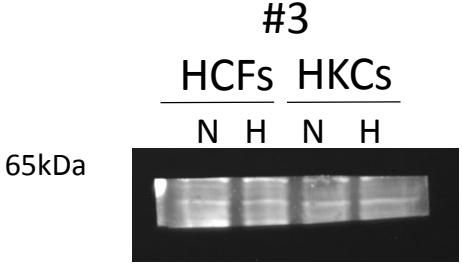
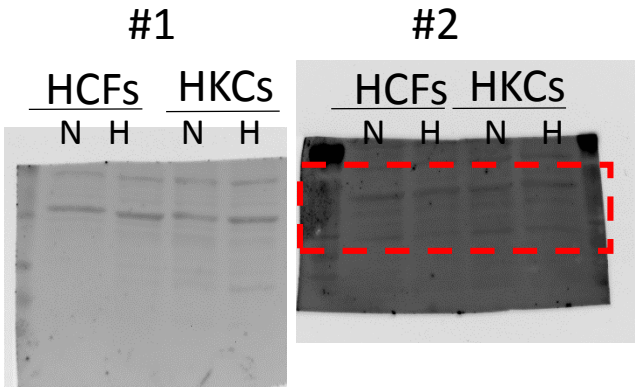
Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure for 3 replicates. Dashed red box denotes cropped area shown in Fig 3A.

MMP-1

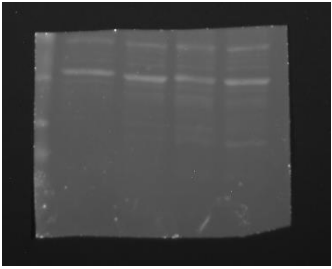


Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure. Dashed red box denotes cropped area shown in Fig 3A.

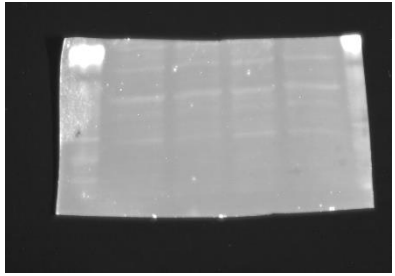
MMP-13



Uncropped, non-inverted blot

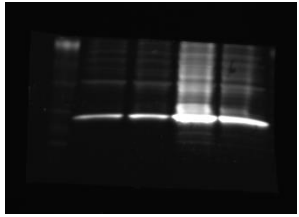
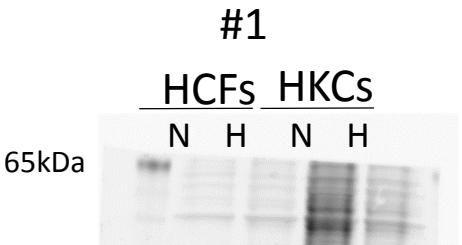


Uncropped, non-inverted blot

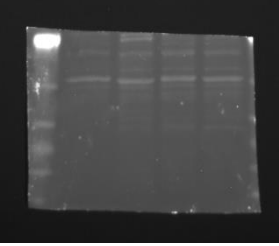
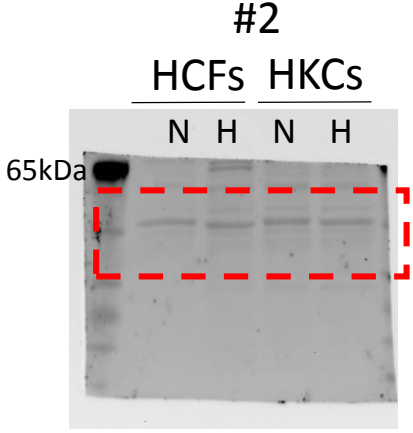


Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure for 3 replicates. Dashed red box denotes cropped area shown in Fig 3A.

MMP-3



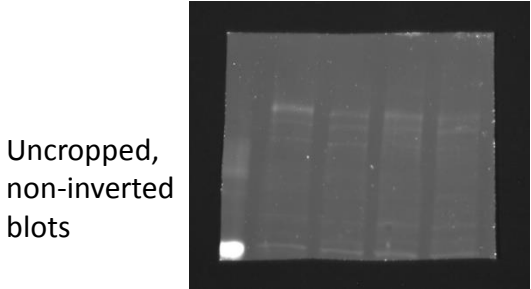
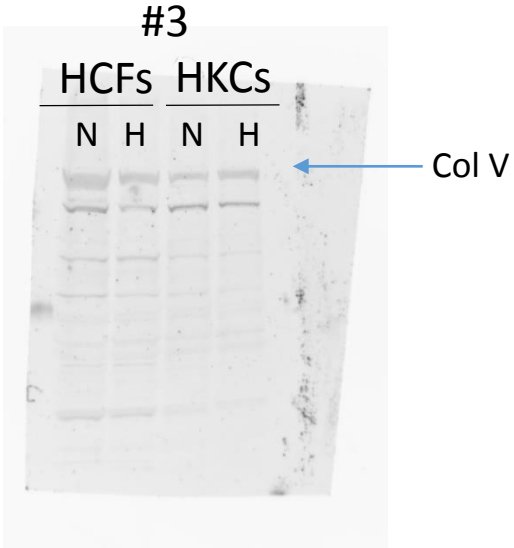
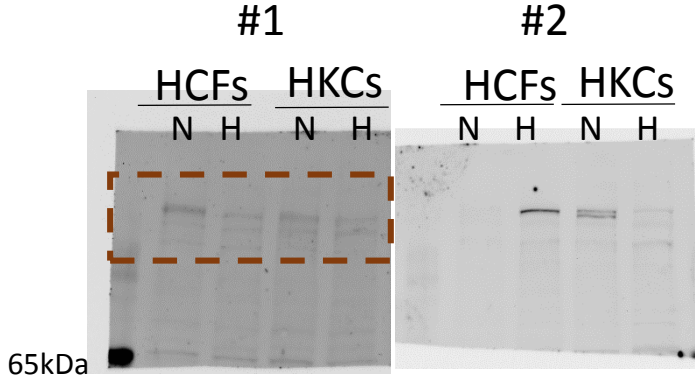
Uncropped,
non-inverted
blot



Uncropped,
non-inverted
blot

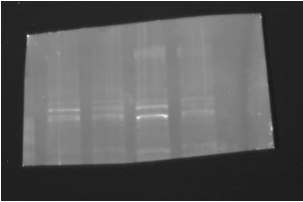
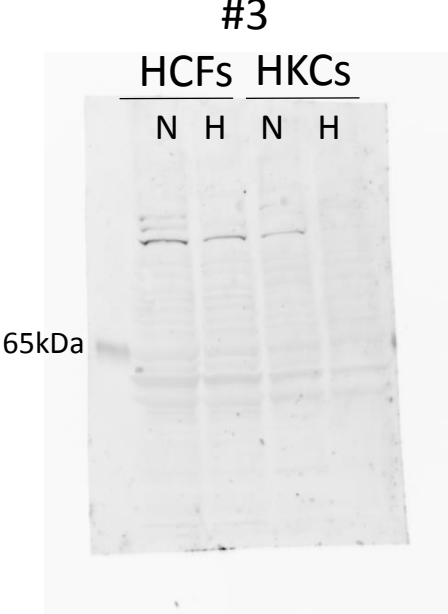
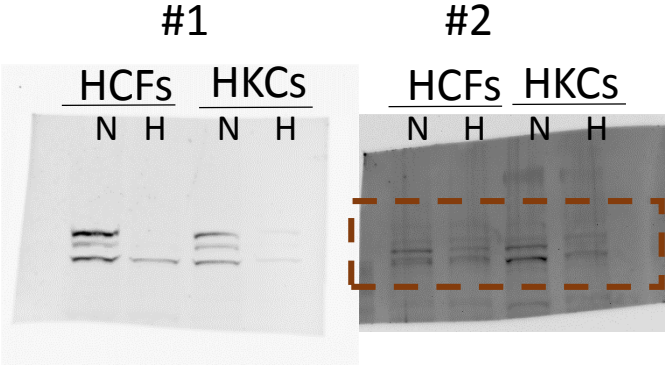
Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure. Dashed red box denotes cropped area shown in Fig 3A.

Col V



Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure for 3 replicates. Dashed brown box denotes cropped area shown in Fig 3G.

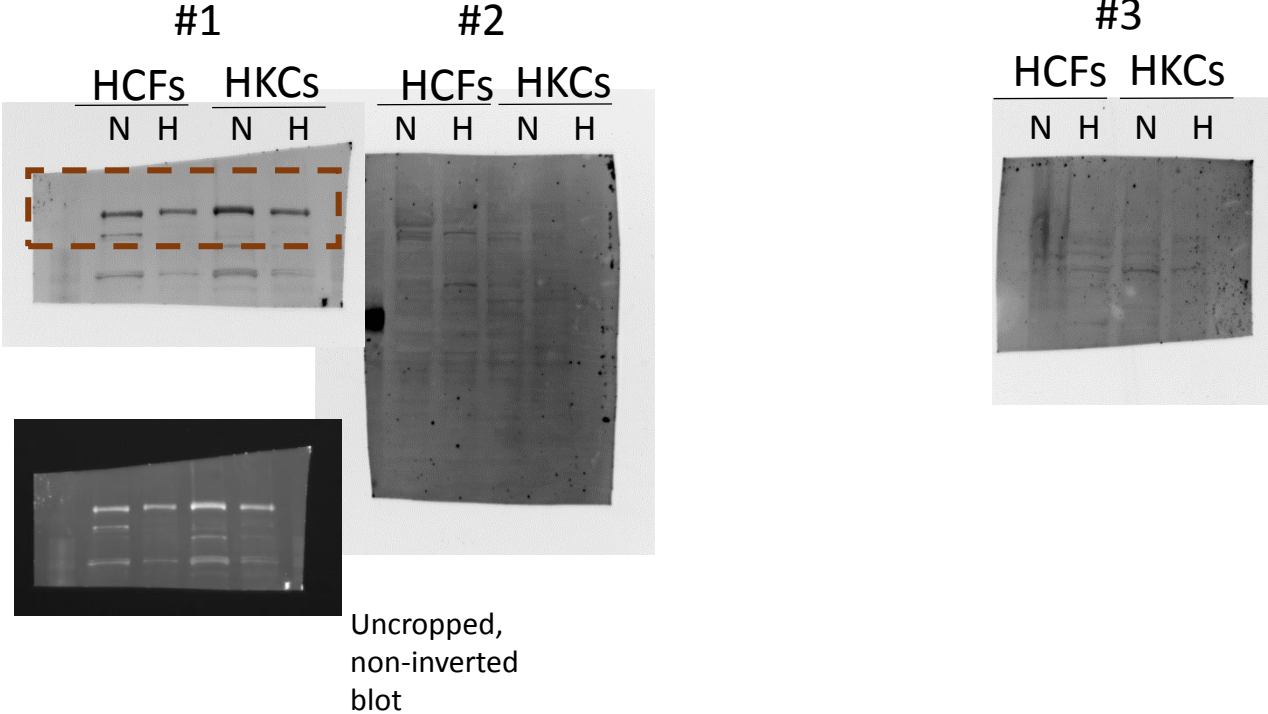
Col I



Uncropped,
non-inverted
blot

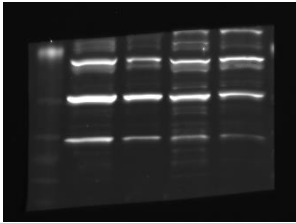
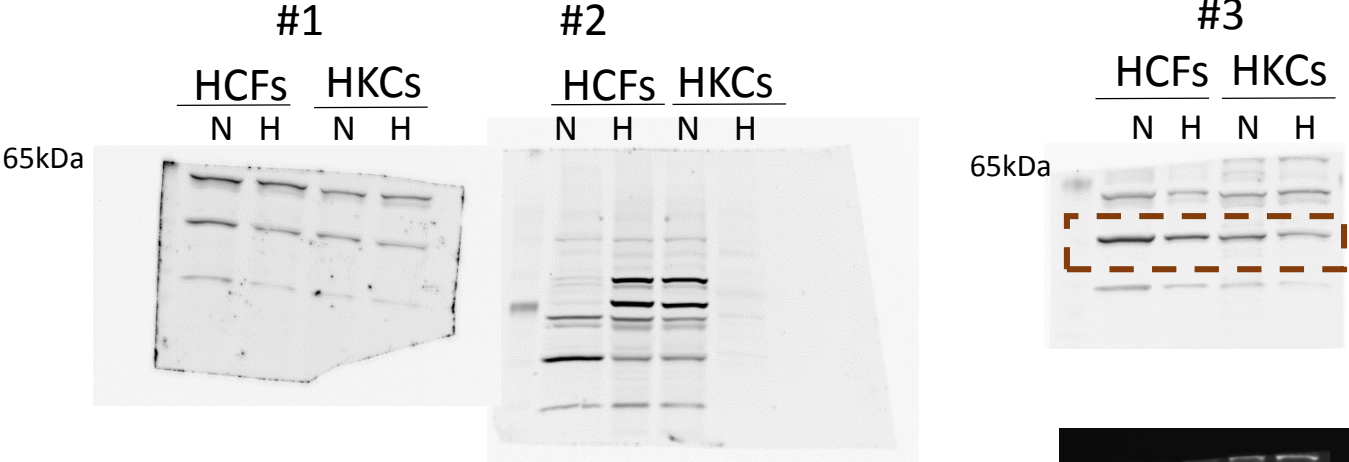
Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure for 3 replicates. Dashed brown box denotes cropped area shown in Fig 3G.

Col III



Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure for 3 replicates. Dashed brown box denotes cropped area shown in Fig 3G.

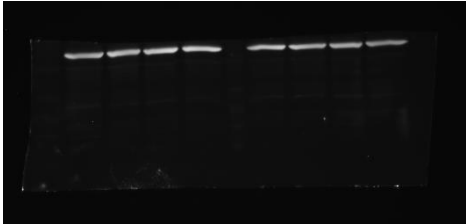
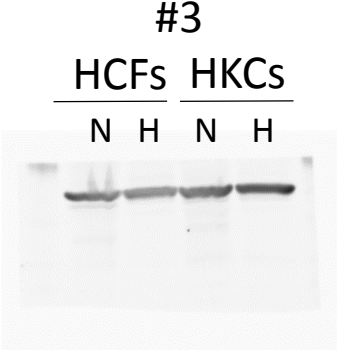
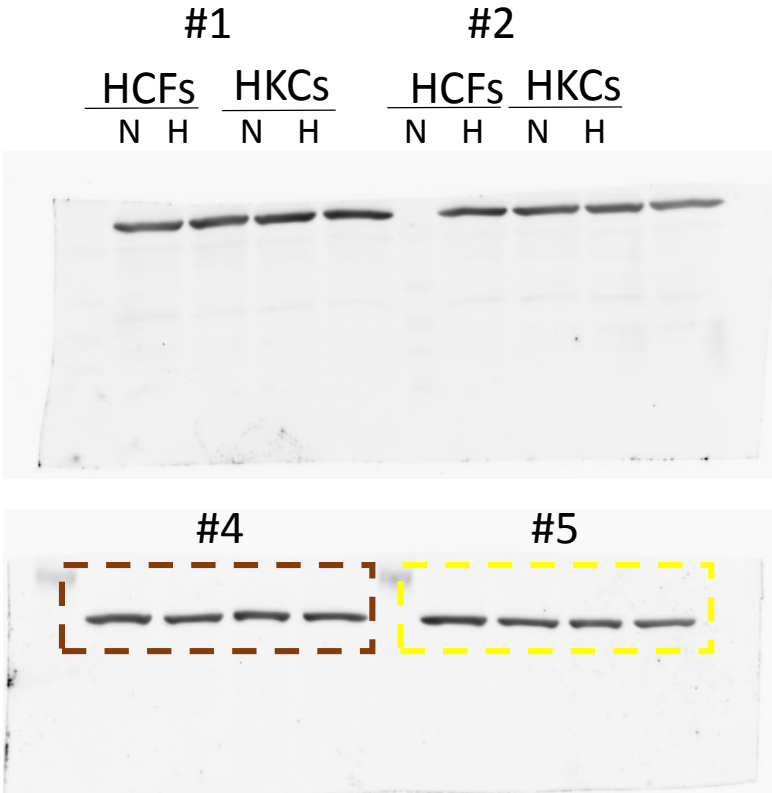
Keratocan



Uncropped,
non-inverted
blot

Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure for 3 replicates. Dashed brown box denotes cropped area shown in Fig 3G.

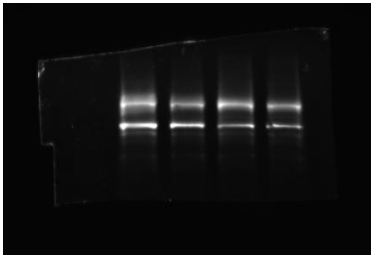
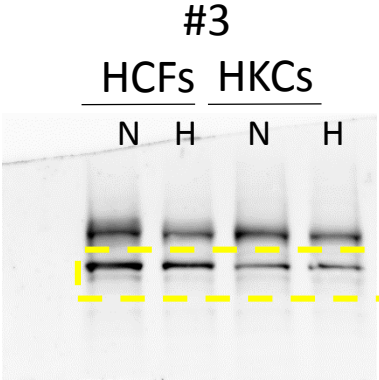
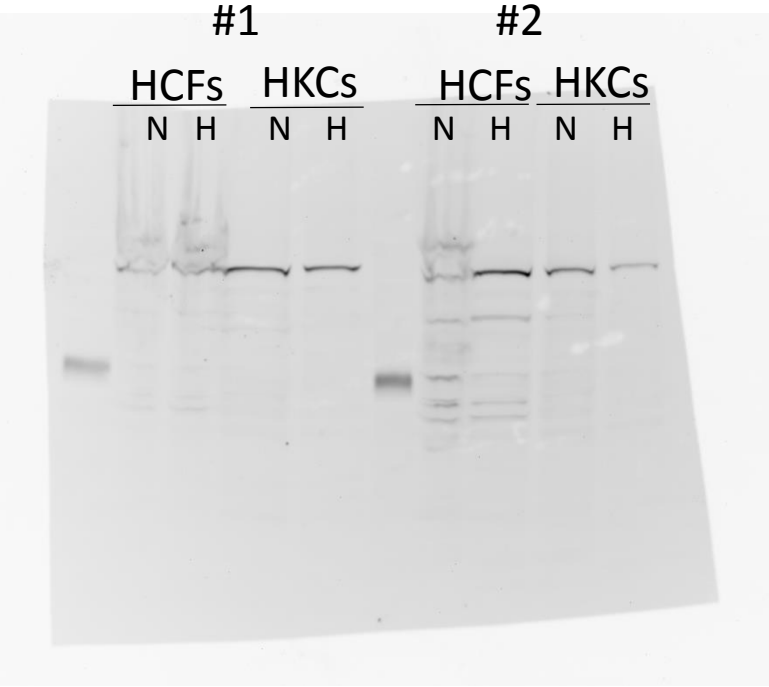
β -Actin



Uncropped,
non-inverted
blot

Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure for 3 replicates. Dashed brown box denotes cropped area shown in Fig 3G, and dashed yellow box denotes cropped area shown in Fig 3L.

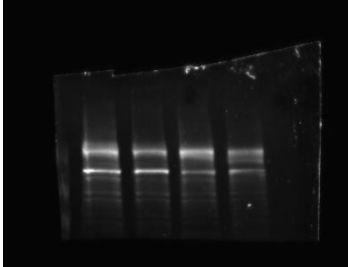
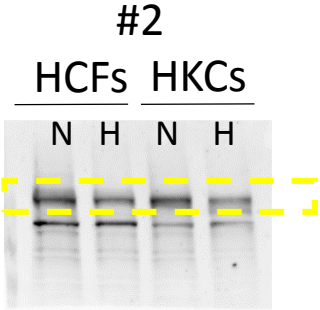
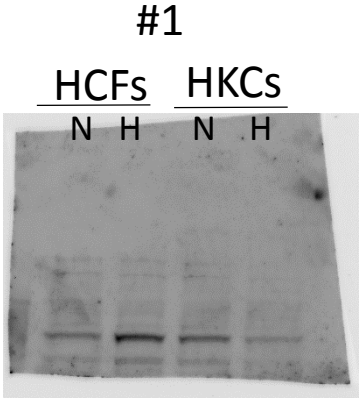
FAK



Uncropped,
non-inverted
blot

Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure for 3 replicates. Dashed yellow box denotes cropped area shown in Fig 3L.

pFAK



Uncropped,
non-inverted
blot

Uncropped blots of protein isolated from HCFs and HKCs following hypoxia exposure for 2 replicates. Dashed yellow box denotes cropped area shown in Fig 3L.