

Figure 1A

p-p38δ

p-p38γ

CDL
SIN INJECTAR

26-
55-
44-
30-

P1 P3 P5 P7 P9 P14

40-
55-
44-
30-

P1 P3 P5 P7 P9 P14

p38
ND

pP38
HFD

CDS SIN INJECTAR

26-
55-
44-
30-

P1 P3 P5 P7 P9 P14

55

44

30

HFD

p38
GAMM

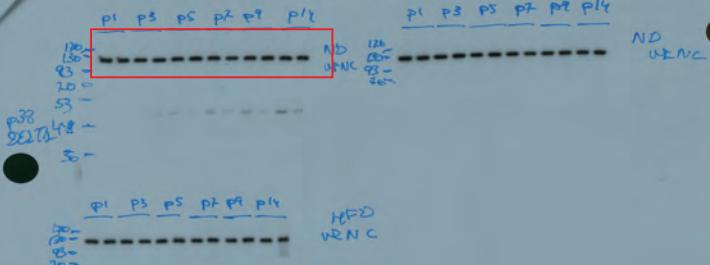
ND

p38
GAMM

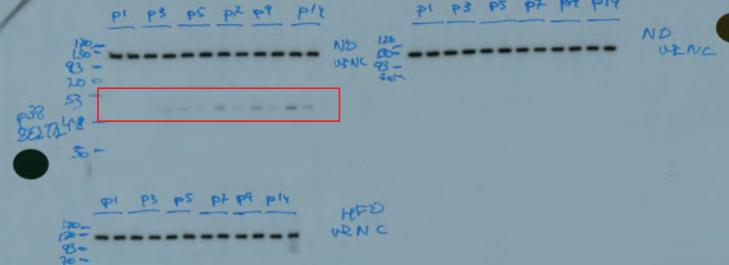
Vinculin

p38δ

CD & SIN INJECTAR



CD & SIN INJECTAR

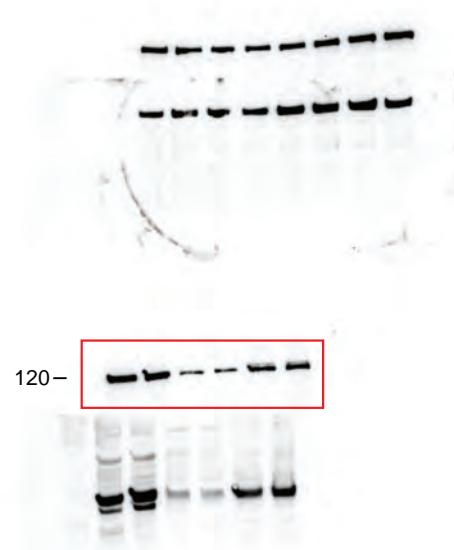
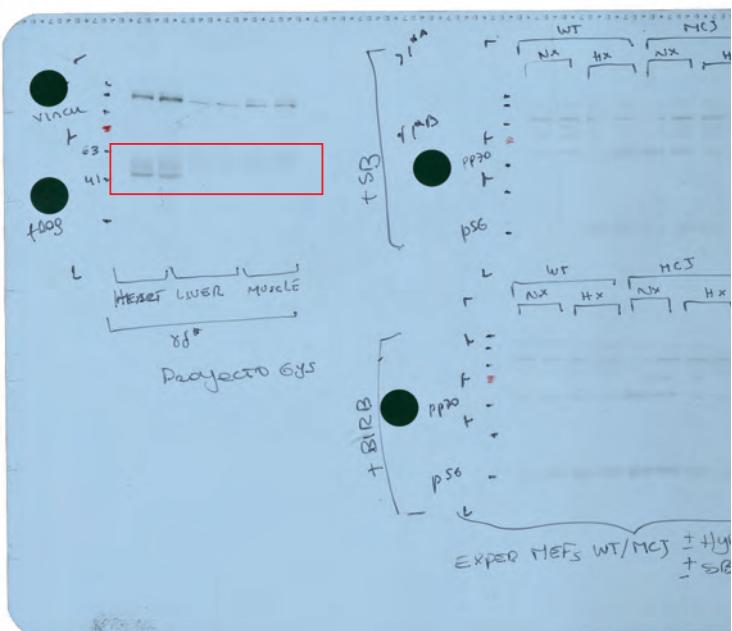


Chemiluminescence Western Blotting
X ray film detection

Figure 1B

Anti-Flag

Vinculin

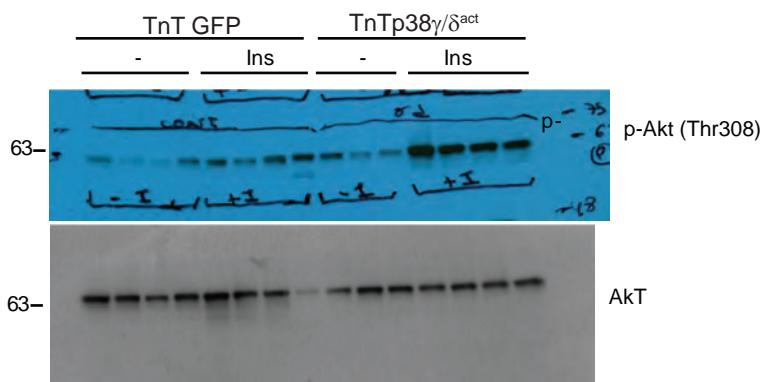


Chemiluminescence Western Blotting
X ray film detection

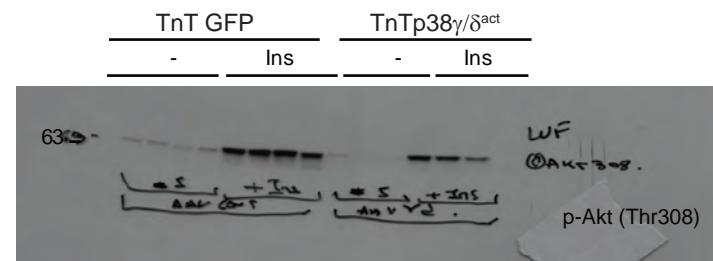
Chemiluminescence Western Blotting
IBright 1500 detection

Figure 4C

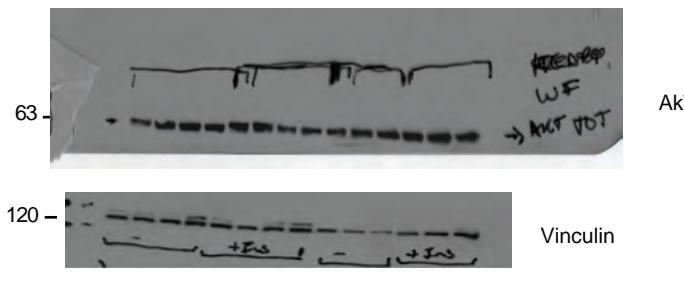
Heart



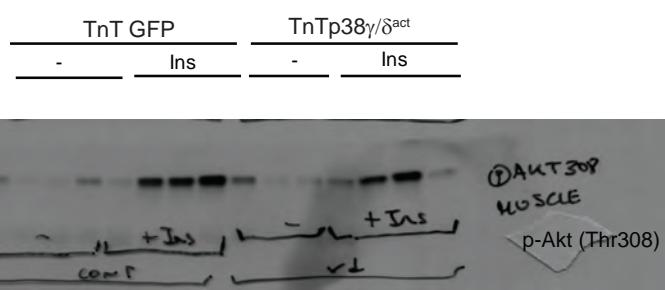
WAT



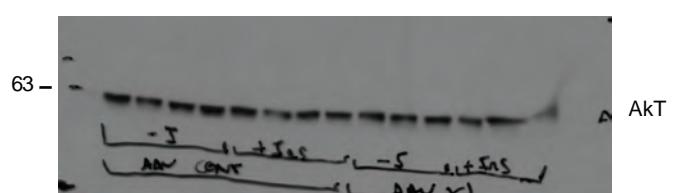
AktT



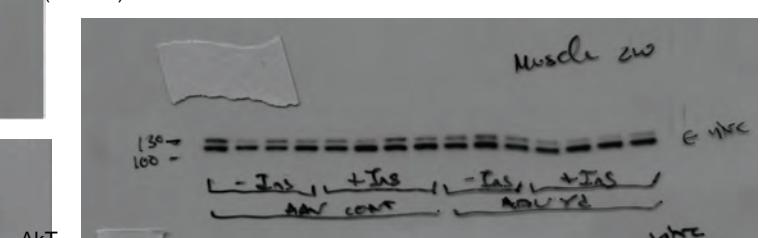
Muscle



AktT



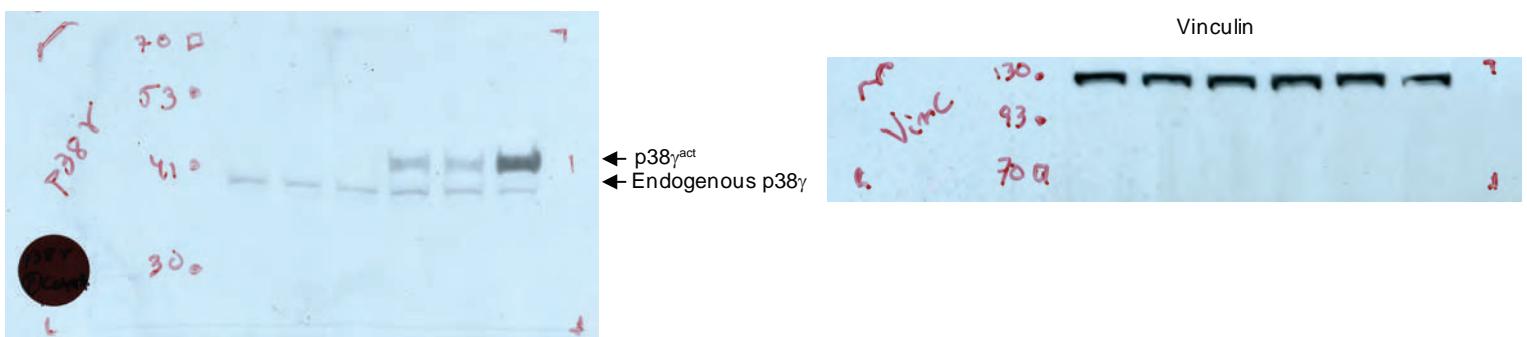
Vinculin



Vinculin

Chemiluminescence Western Blotting
X ray film detection

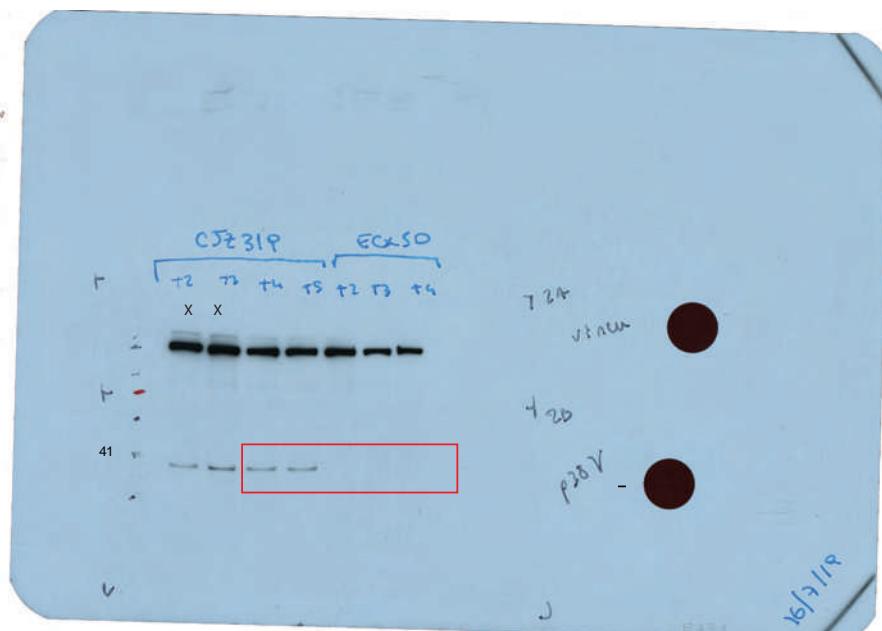
Figure 5A



Chemiluminescence Western Blotting
X ray film detection

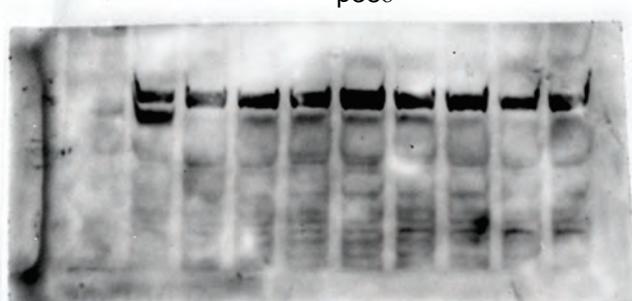
Figure 6A

p38 γ



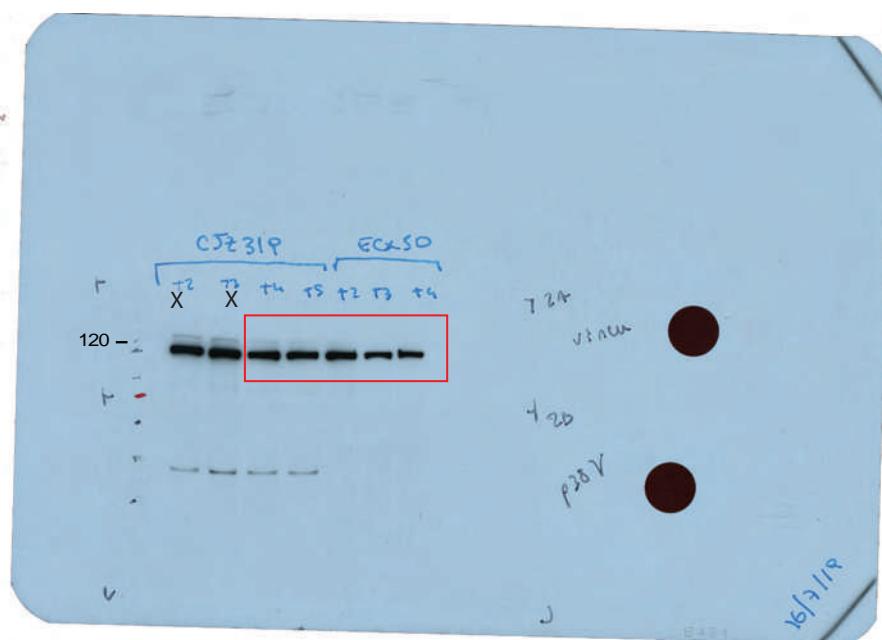
Chemiluminescence Western Blotting
X ray film detection

p38 δ



Chemiluminescence Western Blotting
IBright 1500 detection

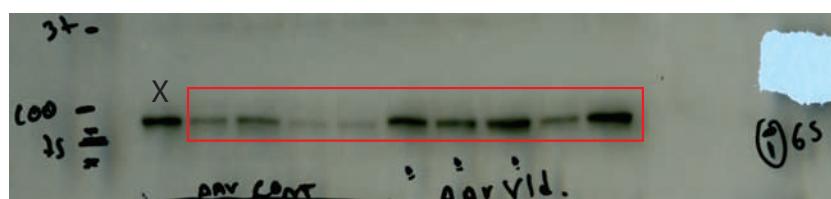
Vinculin



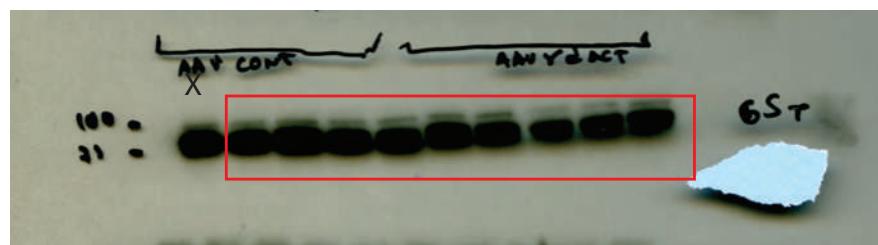
Chemiluminescence Western Blotting
X ray film detection

Figure 7A

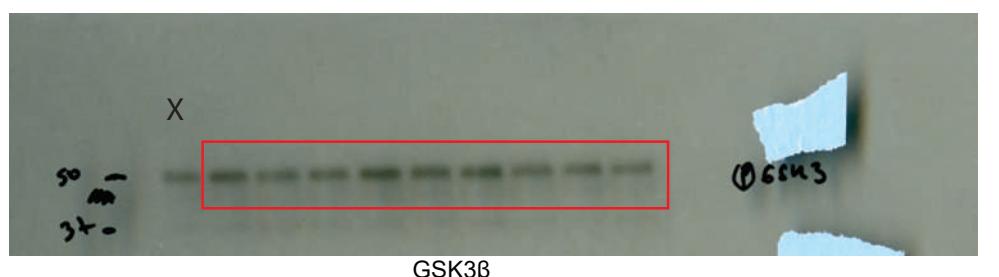
p-GYS (S641)



GYS1



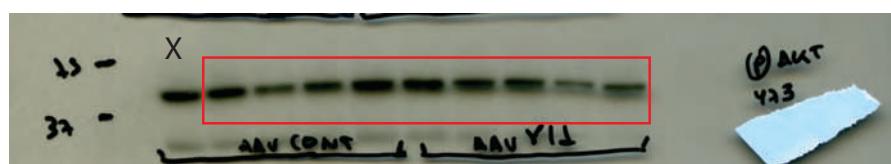
p-GSK3 α/β (S21/9)



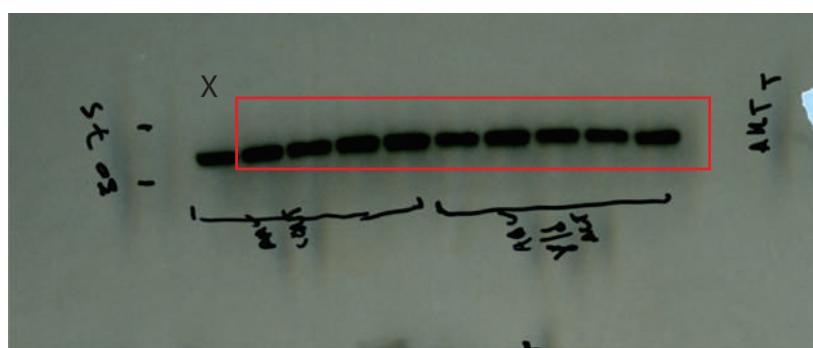
GSK3 β



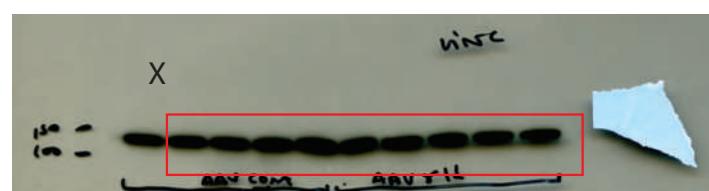
p-Akt(Thr 308)



Akt

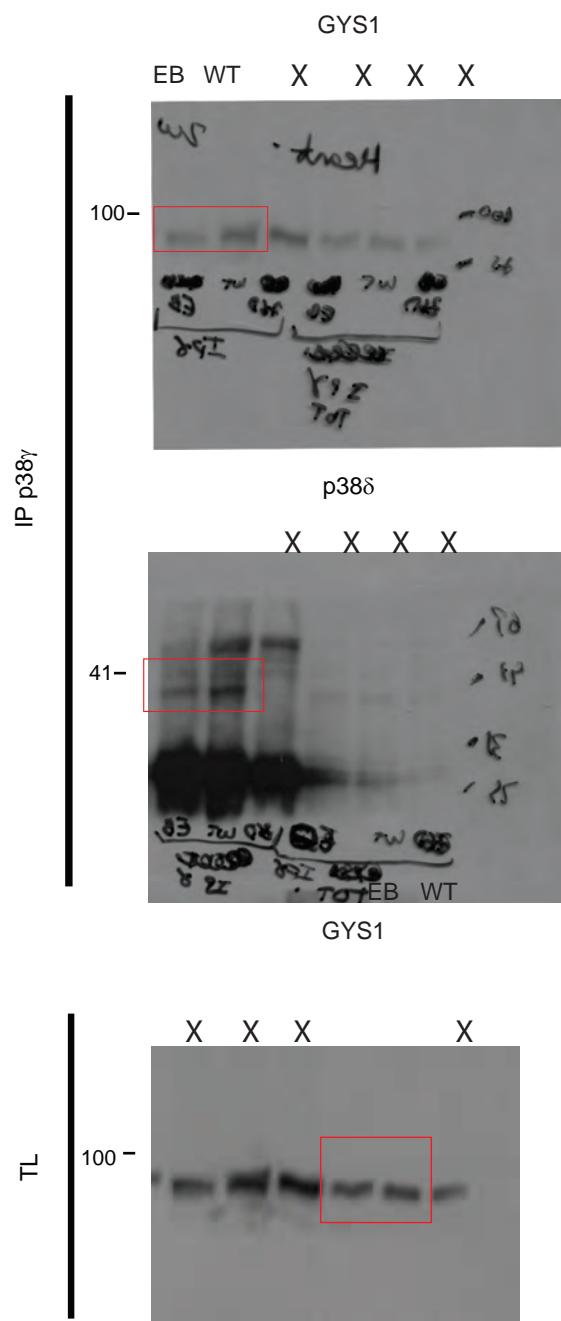


Vinculin



Chemiluminescence Western Blotting
X ray film detection

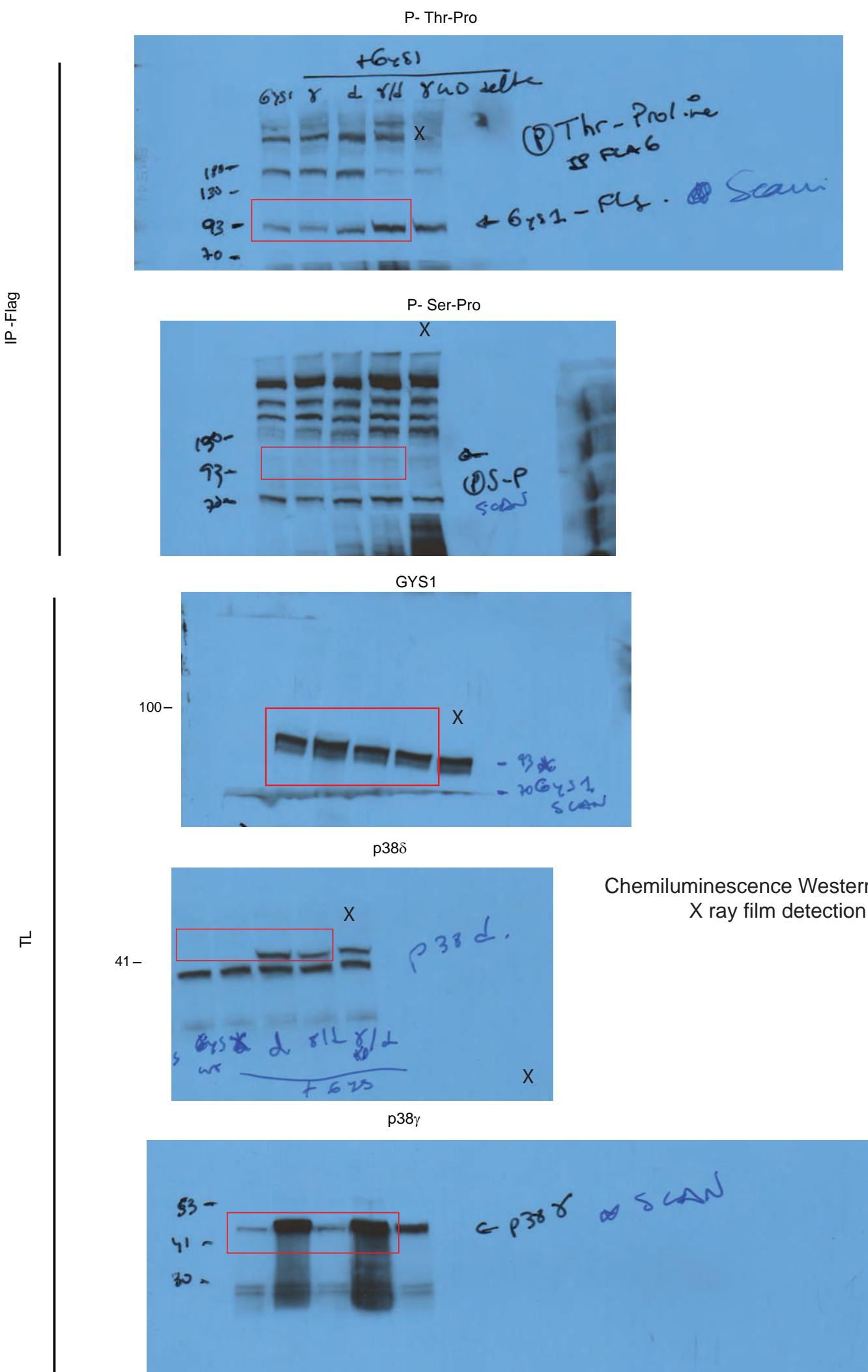
Figure 7D

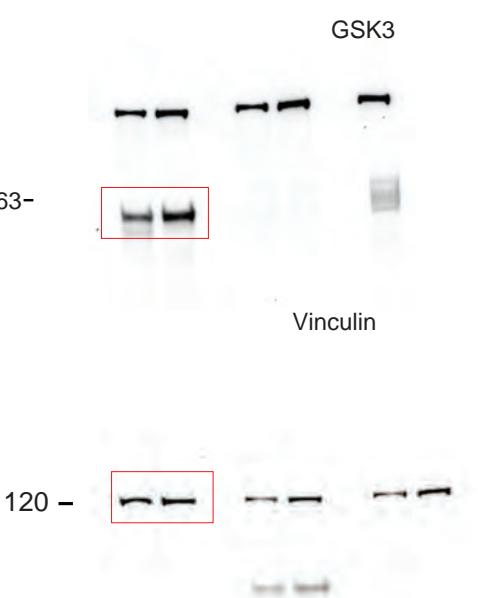
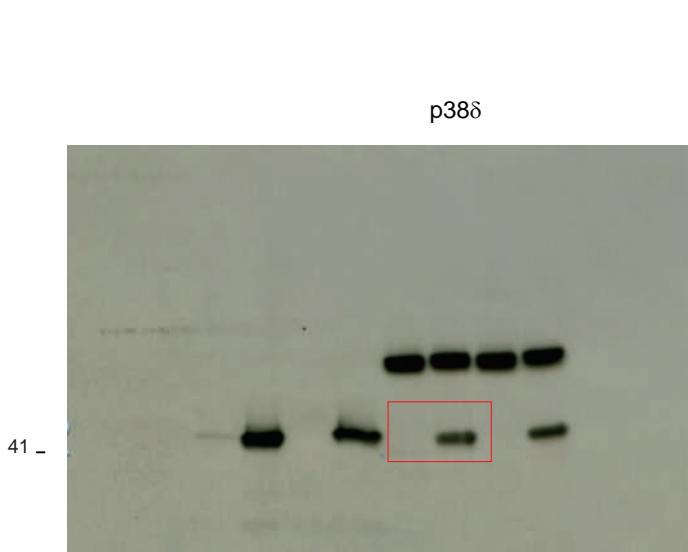
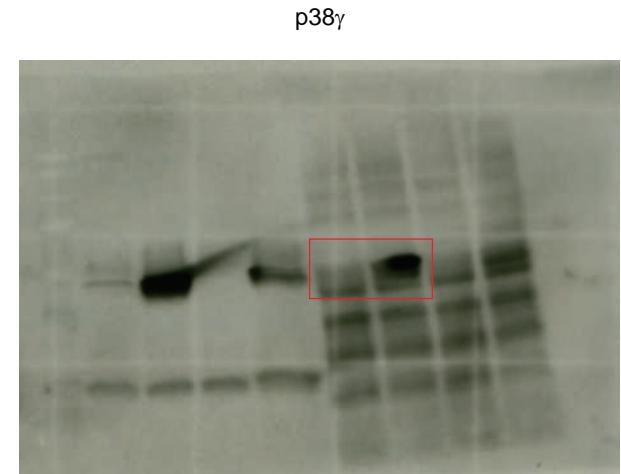
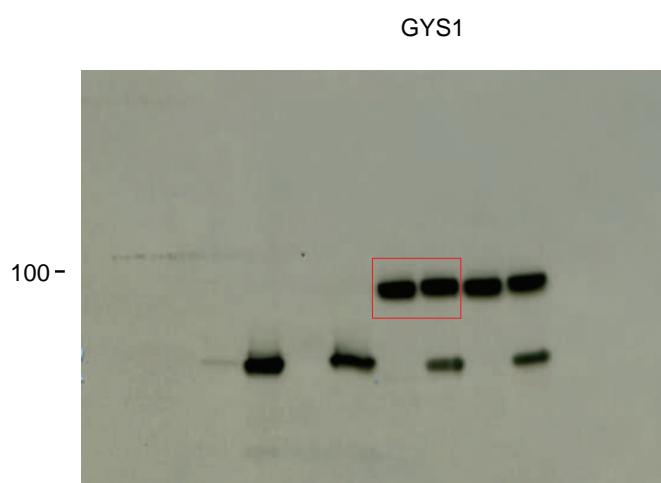
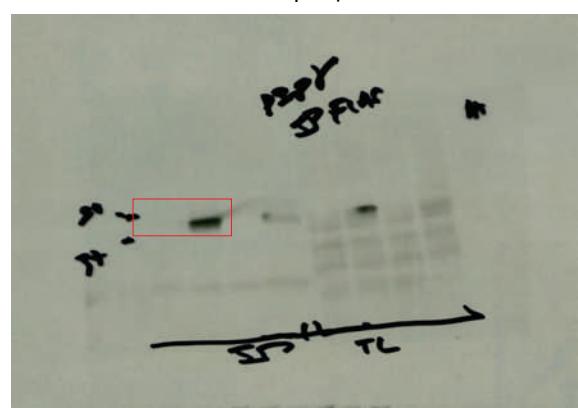
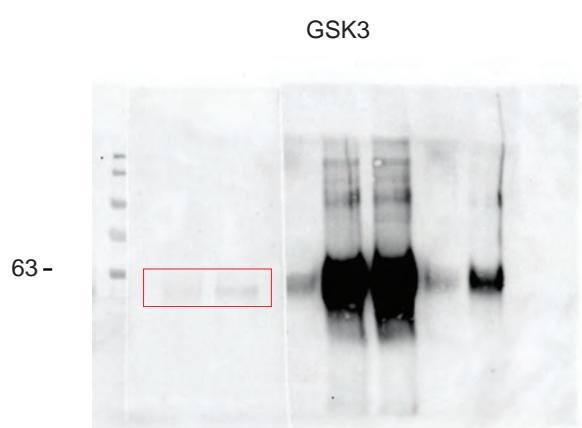
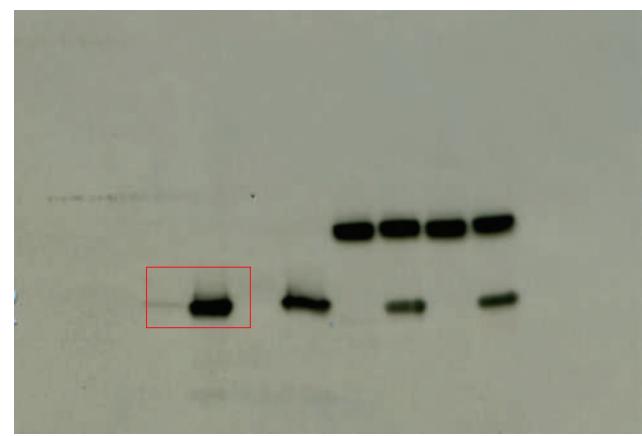


The GYS1 blots are exactly the same gels with different exposure time as the IP and the Total lysate (TL) were charged next to each other

Chemiluminescence Western Blotting
X ray film detection

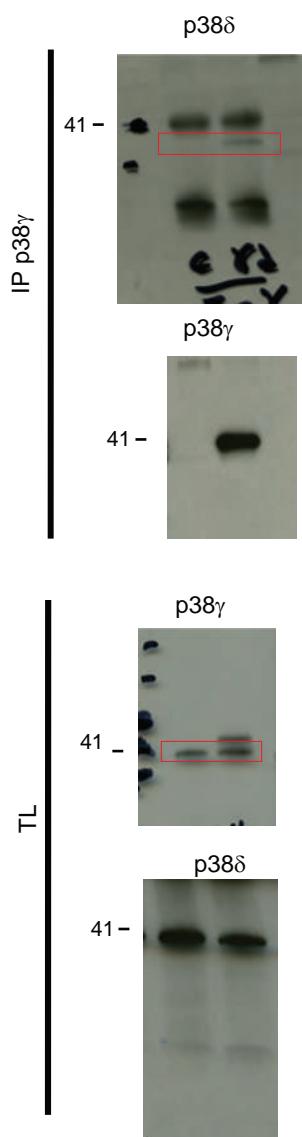
Figure 7C





Chemiluminescence Western Blotting
X ray film and iBright 15000 detection

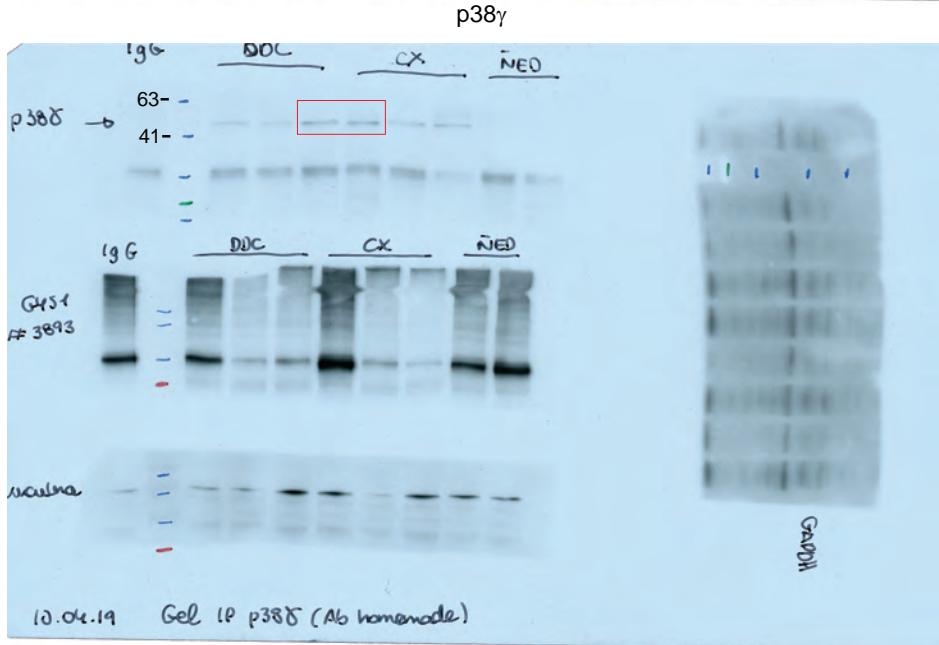
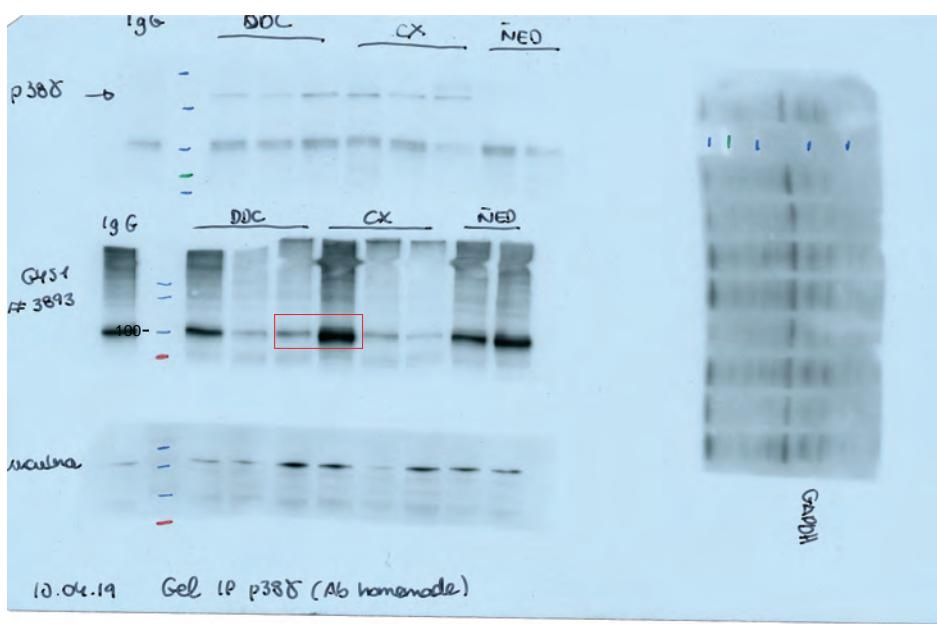
Figure 7F



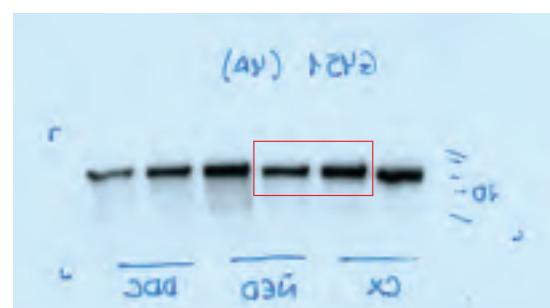
Chemiluminescence Western Blotting
X ray film detection

Figure 7G

GYS1



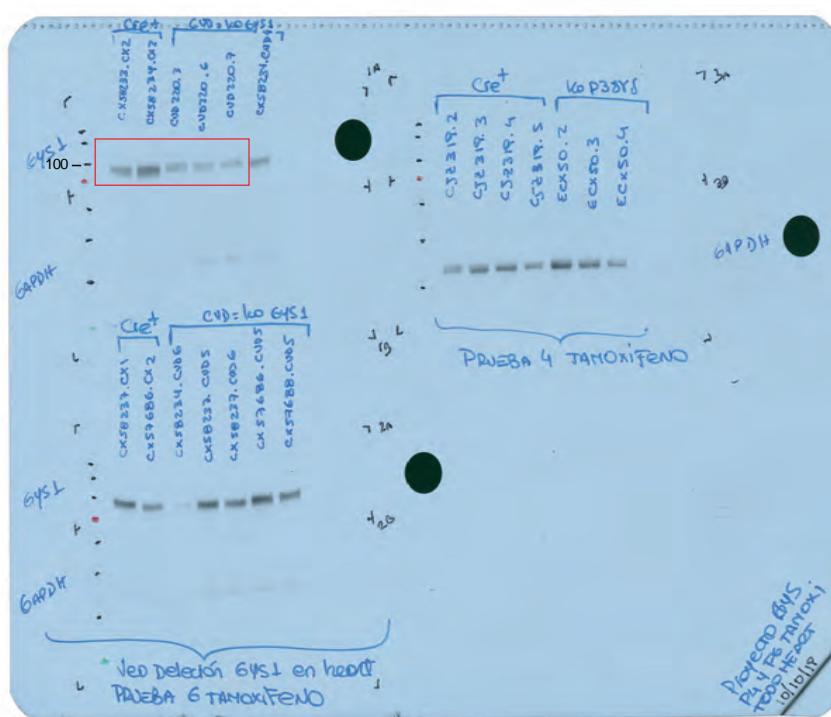
GYS1



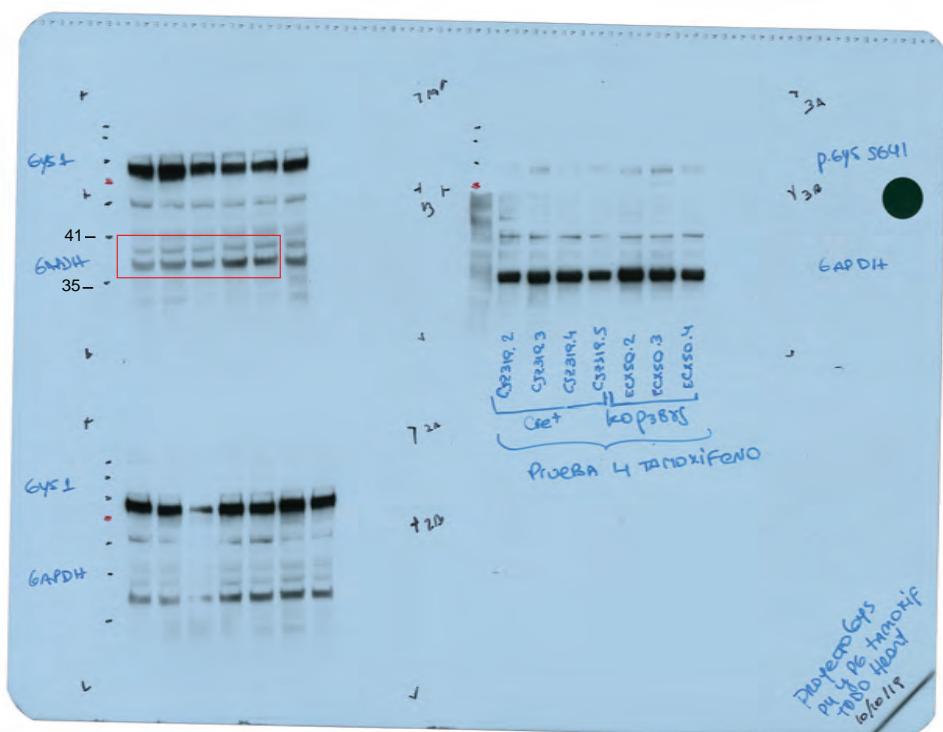
Chemiluminescence Western Blotting
X ray film detection

Figure 8A

GYS1



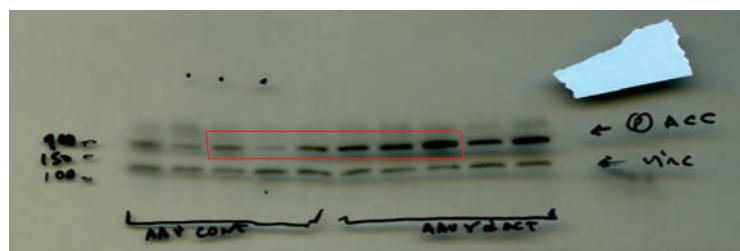
GAPDH



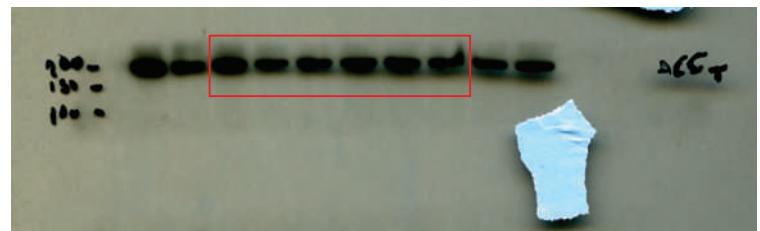
Chemiluminescence Western Blotting
X ray film detection

Supplementary Figure 4A

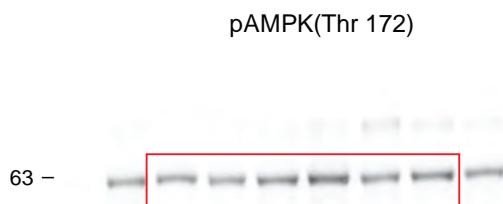
p-ACC



ACC



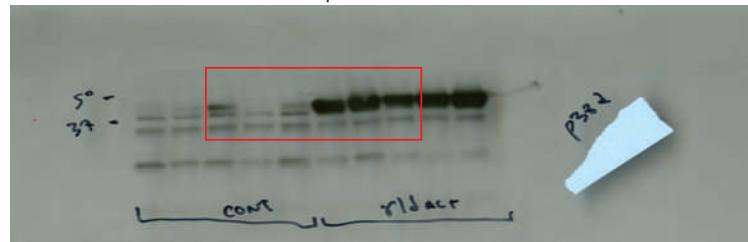
AMPK



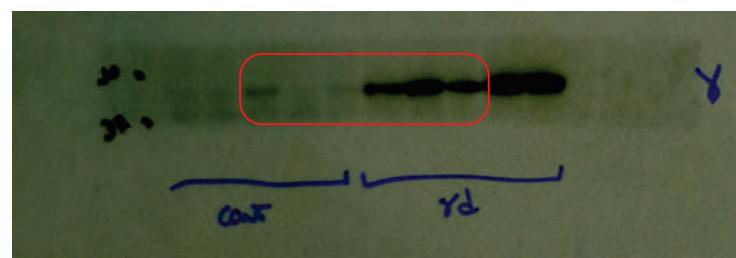
63 -



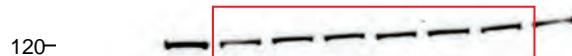
p38 δ ^{act}



p38 γ ^{act}



Vinculin

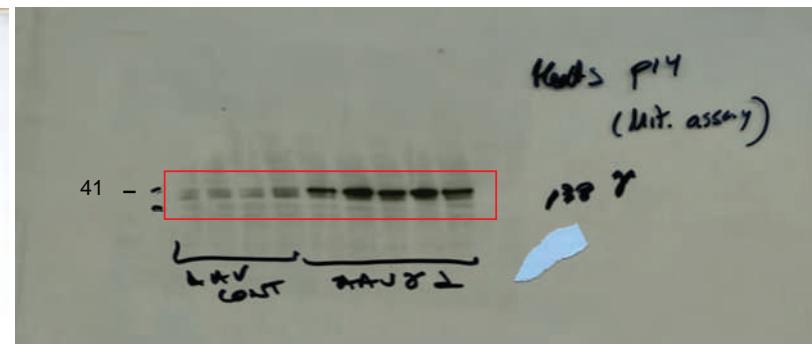
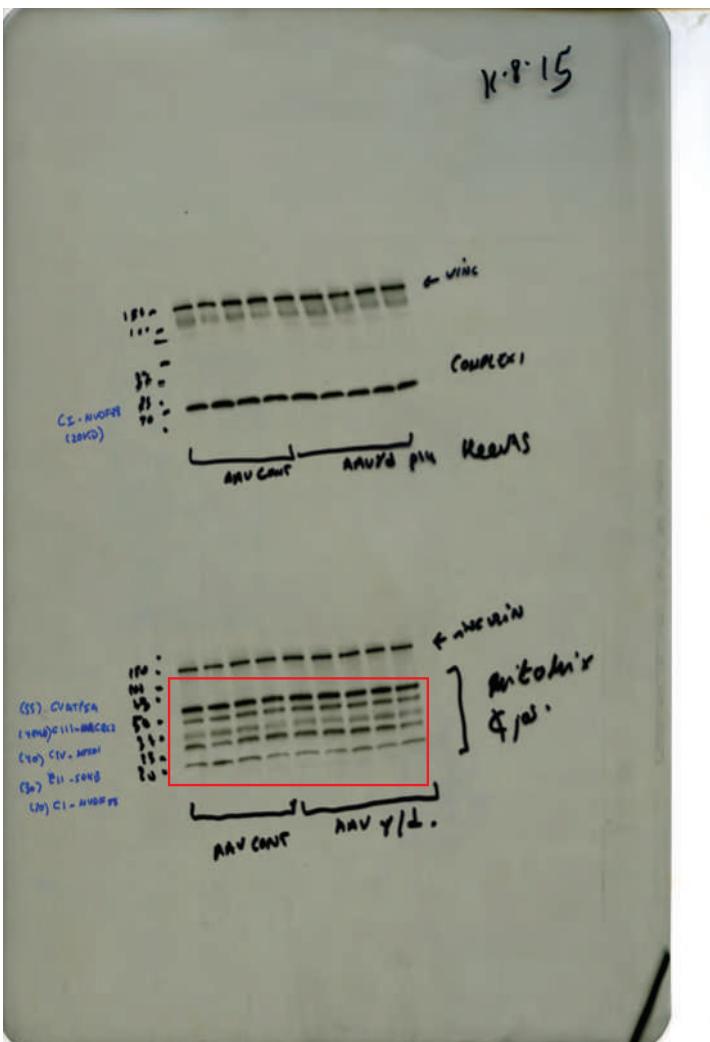


Chemiluminescence Western Blotting
X ray film and iBright 1500 detection

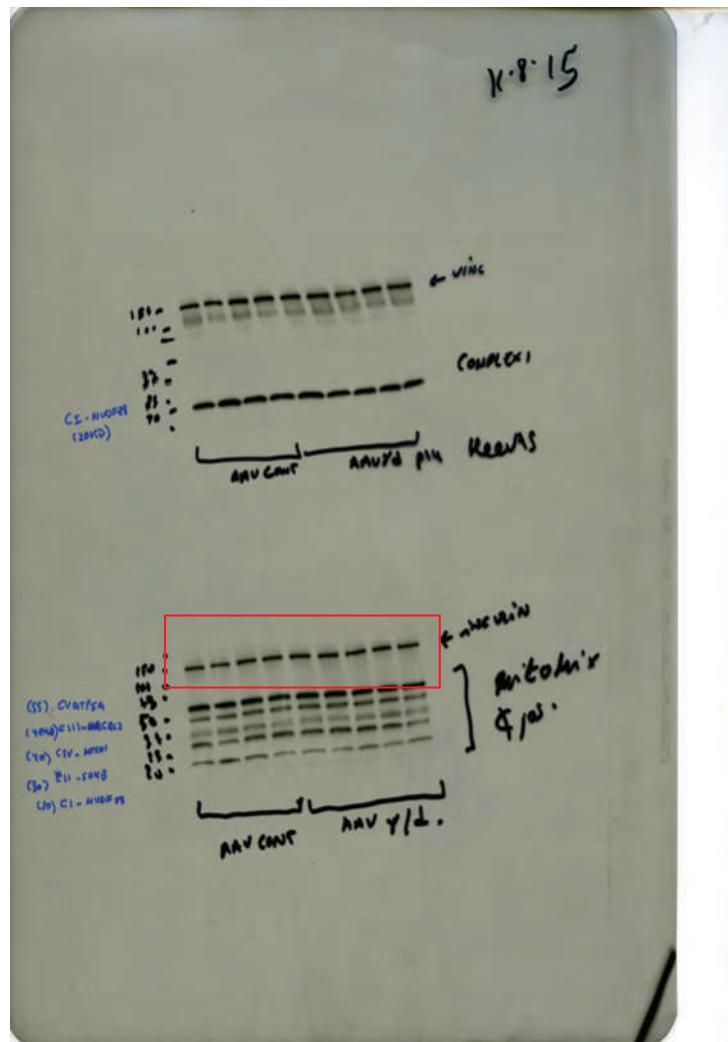
Supplementary Figure 4C

Mitochondria

p38 δ



Vinculin



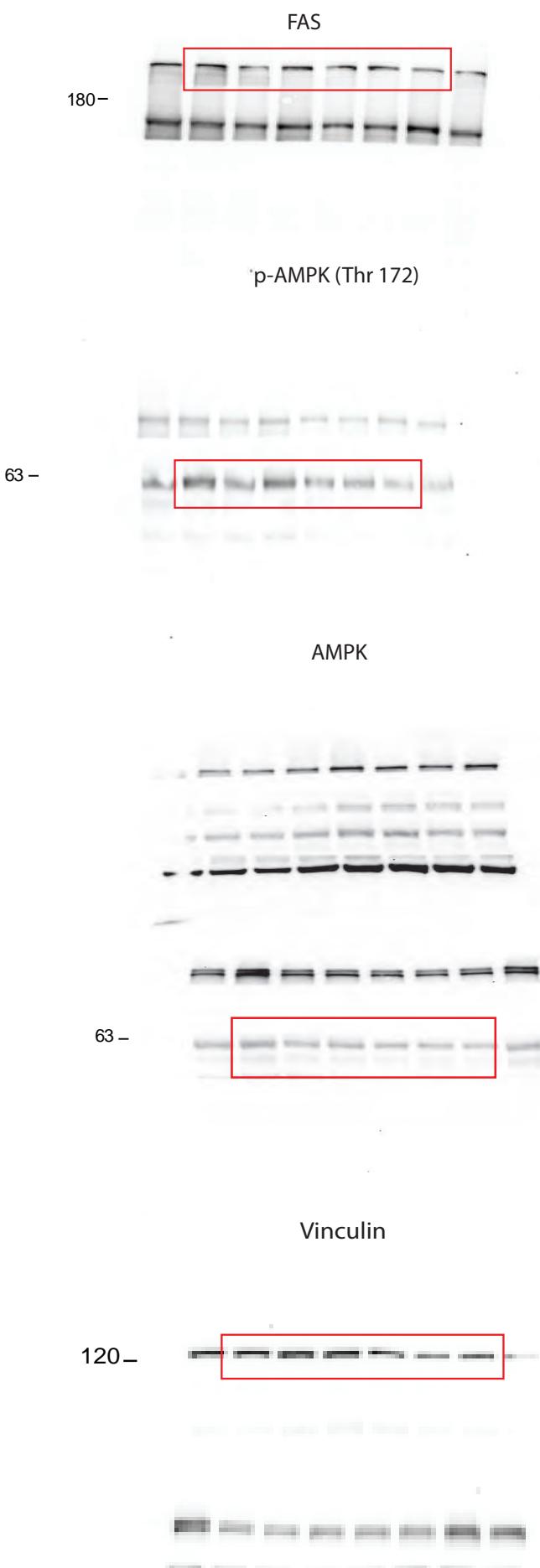
p38 γ

Western blot analysis showing p38 γ expression in mitochondria. The blot is labeled "41" at the top. Lanes are grouped by condition: (SS), C147FA, C147B11-MEC02; (Tg) C1V, wild; (3a) B11-feng; (3b) C1 - HAVIFPS. Lanes are labeled "AAV CONT" and "AAVγd p38γ". A red box highlights the bands for p38 γ . An arrow points to the "vinc" (Vinculin) loading control band.

Chemiluminescence Western Blotting
X ray film detection

Supplementary Figure 5A

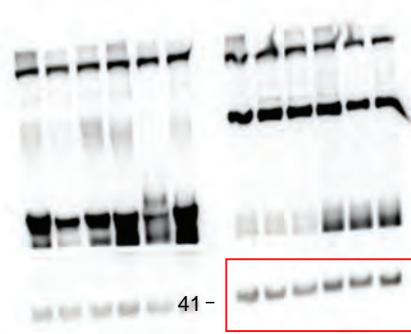
Liver



Chemiluminescence Western Blotting
IBright 1500 detection

Supplementary Figure 5B

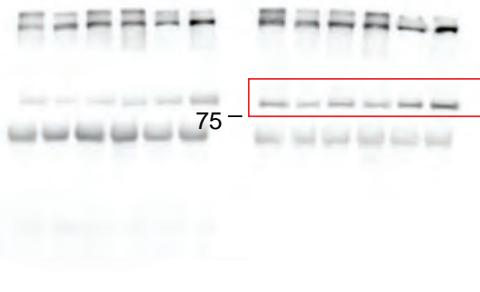
PKA



p-HSL (Ser 660)



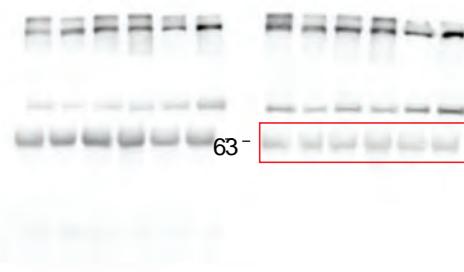
HSL



pAMPK (Thr172)



AMPK



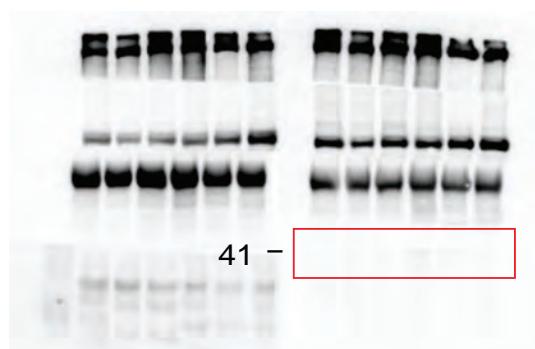
p-ACC (Ser 79)



ACC



pp38



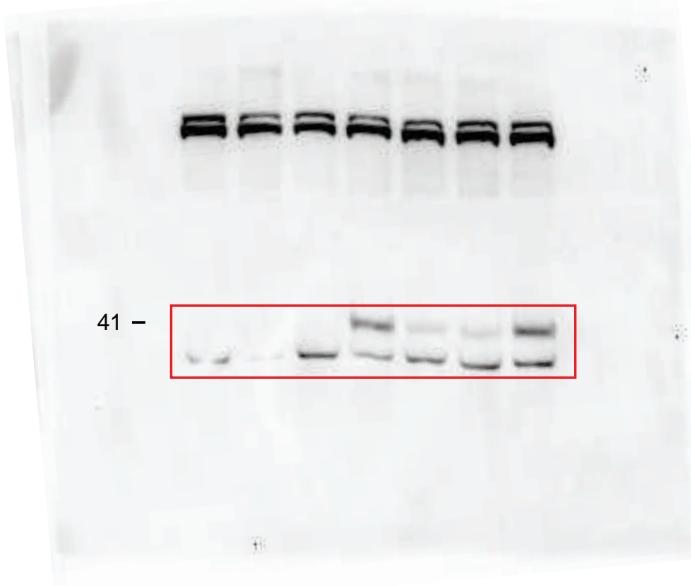
Vinculin



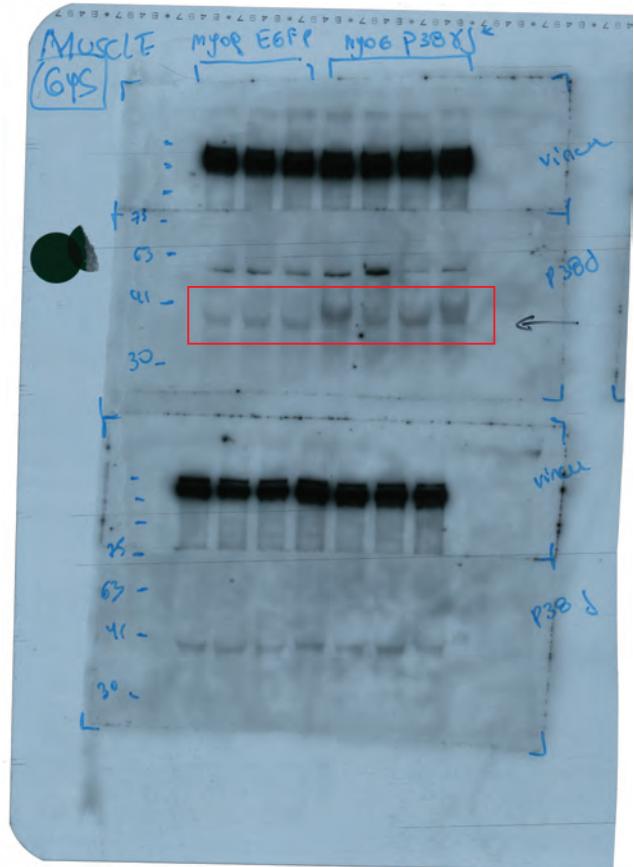
Chemiluminescence Western Blotting
IBright 1500 detection

Supplementary Figure 7A

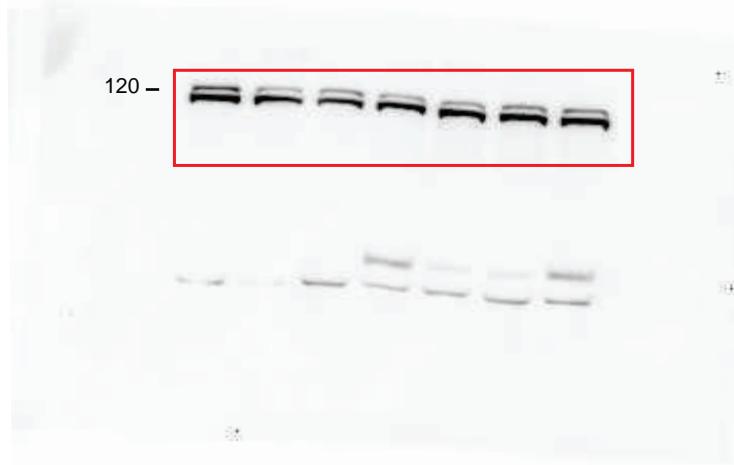
p38 γ^{act}



p38 δ^{act}



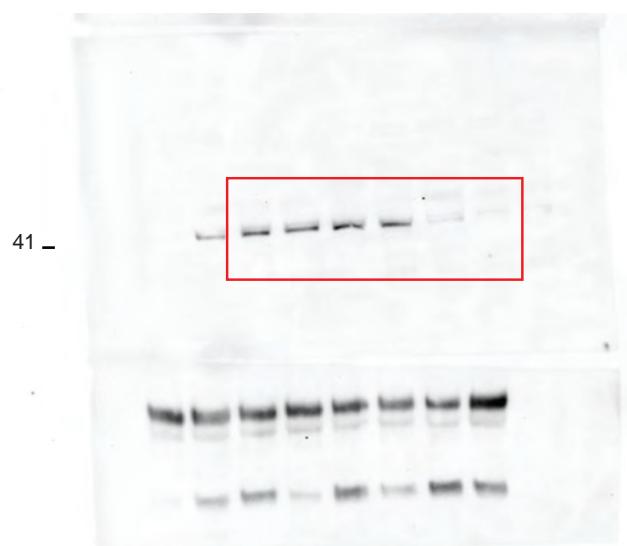
Vinculin



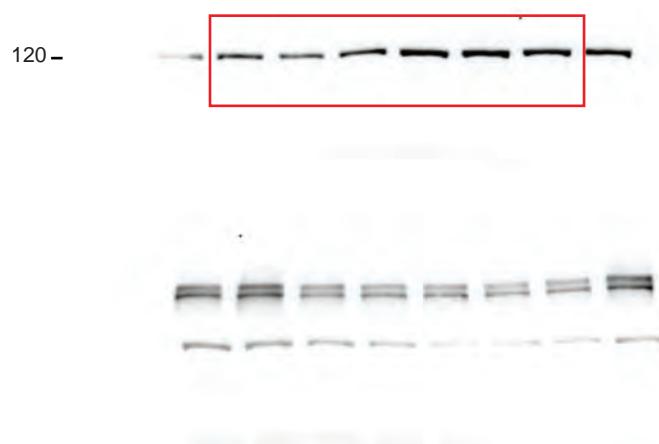
Chemiluminescence Western Blotting X
ray film and iBright 1500 detection

Supplementary Figure 10

p-PKA C (Thr197)



Vinculin

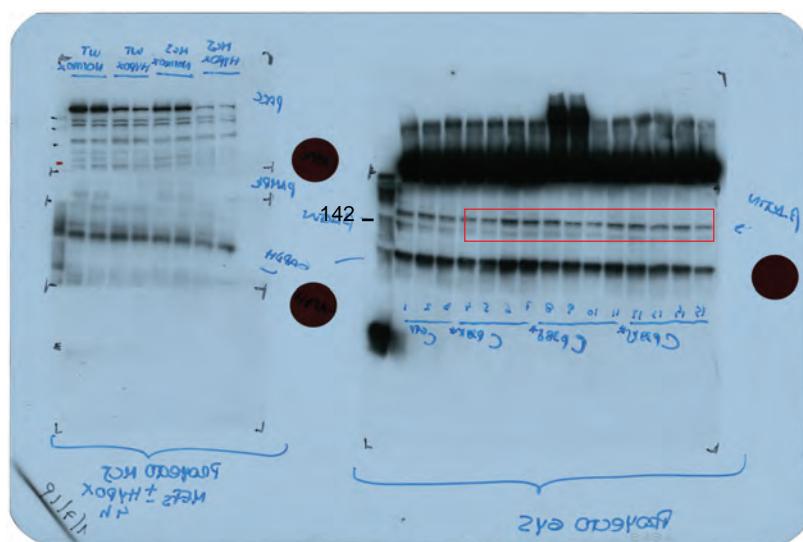
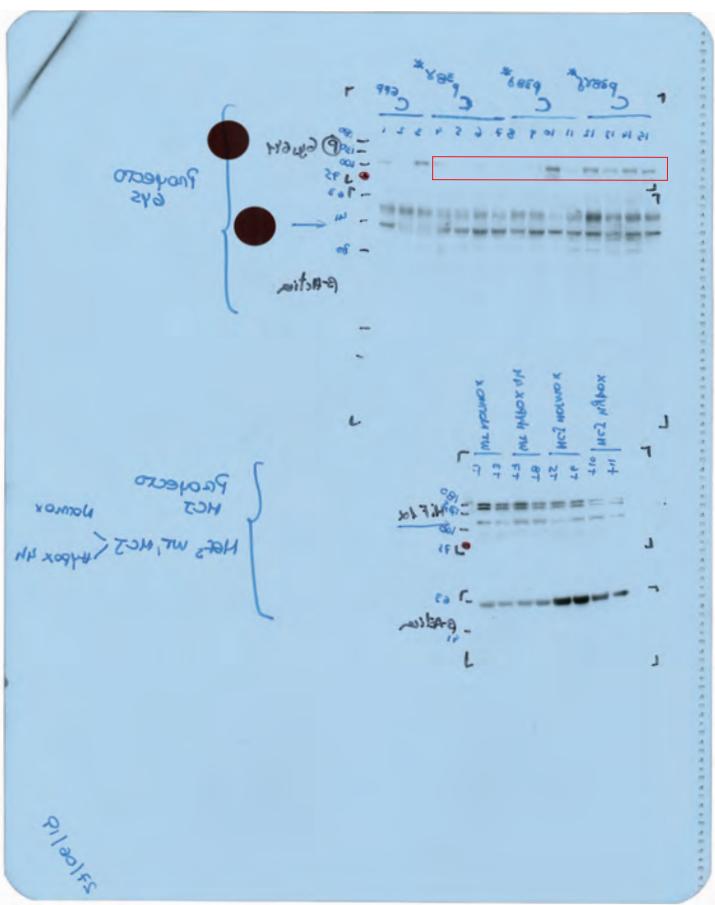


Chemiluminescence Western Blotting
iBright 1500 detection

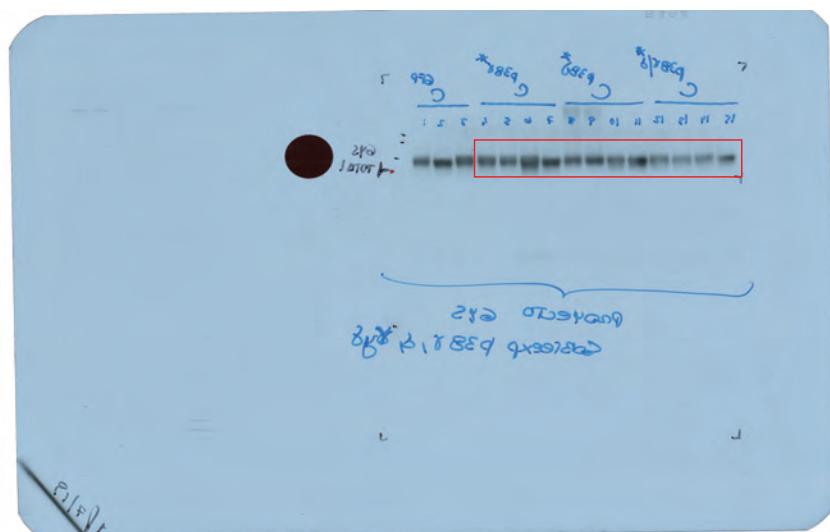
Supplementary Figure 12A

p-GYS (S641)

β -actin



GYS1



Chemiluminescence Western Blotting
X ray film detection