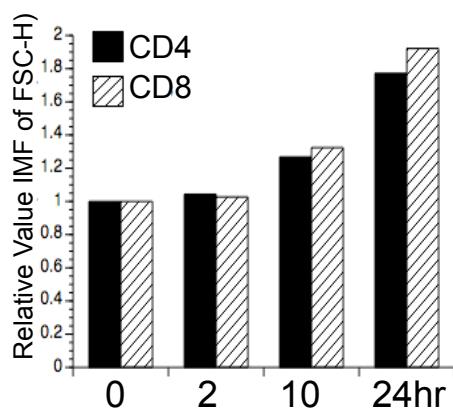
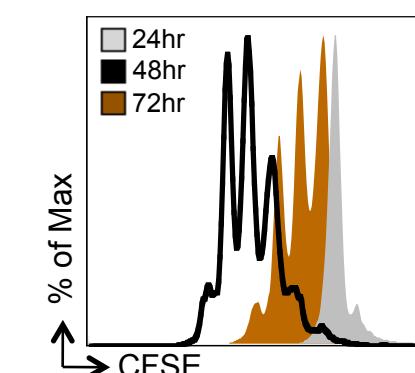


# Supplementary Figure 1

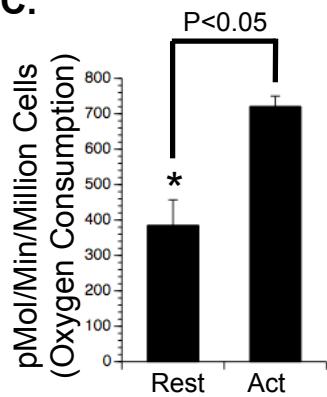
A.



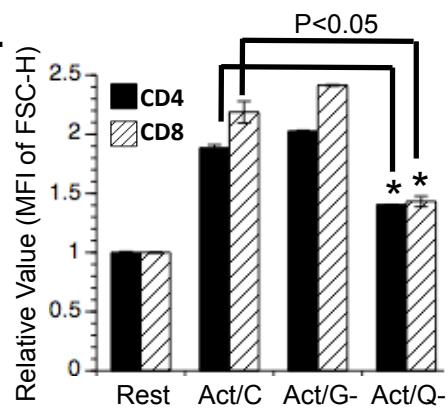
B.



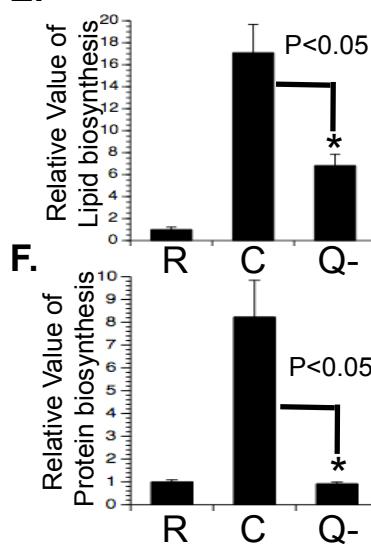
C.



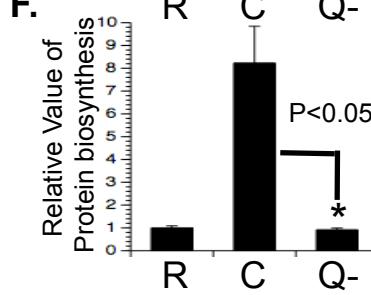
D.



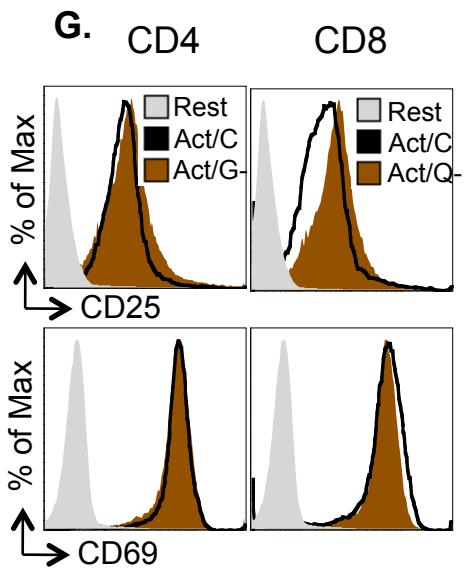
E.



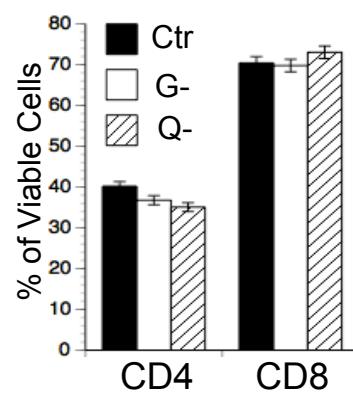
F.



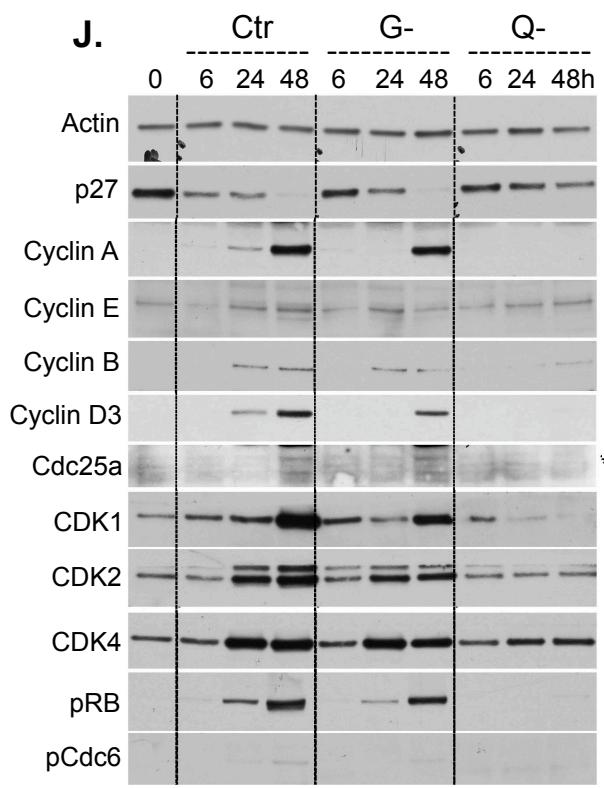
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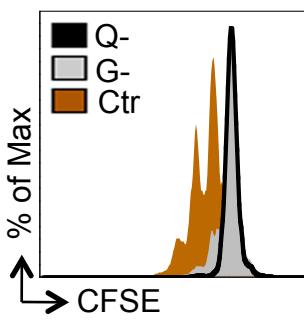
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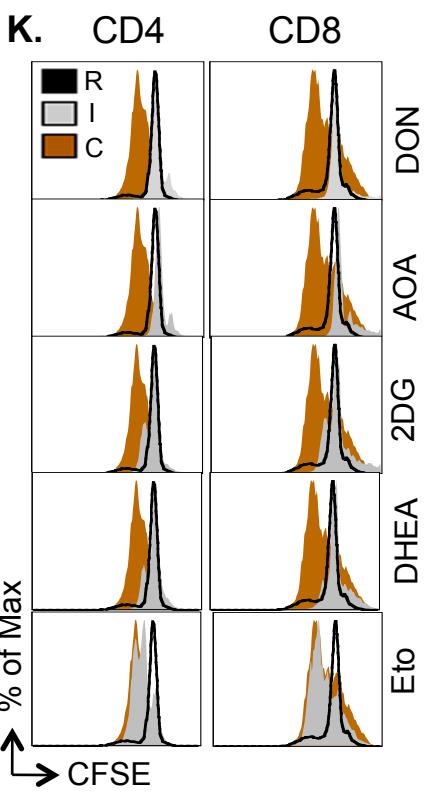
J.



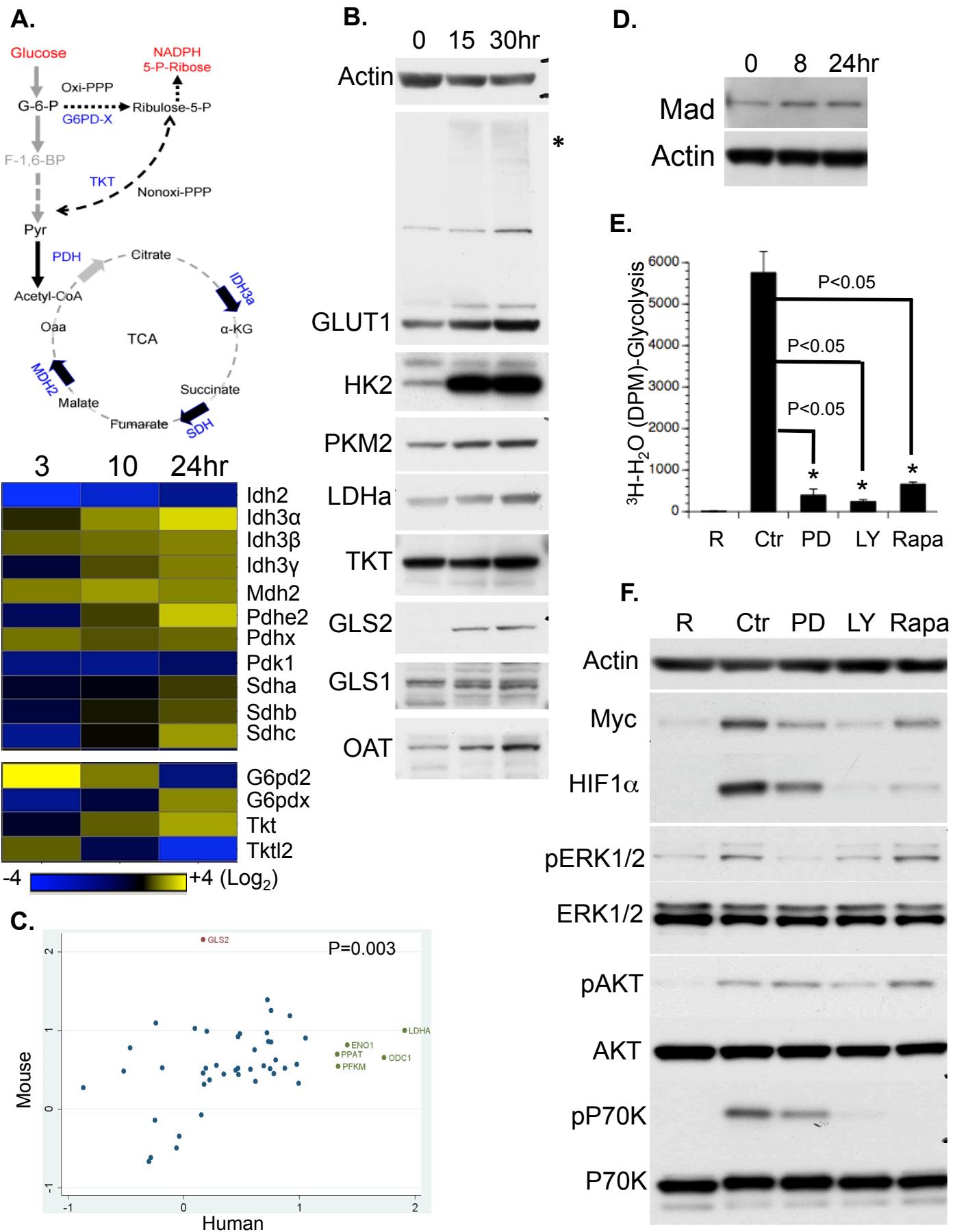
I.



K.



## Supplementary Figure 2



## Supplementary Figure 3

A.

*Ex Vivo Deletion*

Isolation of T cells  
and culture with IL7

+/- 4OHT for 48hr

$\alpha$ CD3/28 stimulation

*In Vivo Deletion*

i.p. injection of Tamoxifen  
for three days

Isolation of T cells

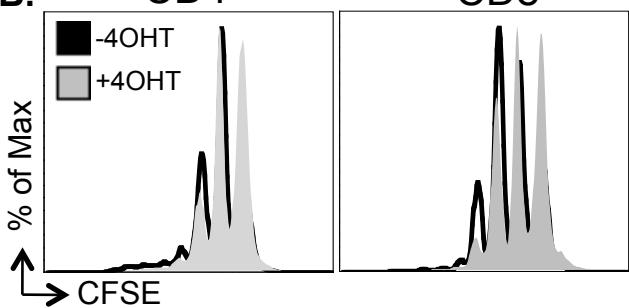
$\alpha$ CD3/28 stimulation

1. Metabolic assays, cell size and activation markers 24hr after activation
2. Cell proliferation 48hr after activation.

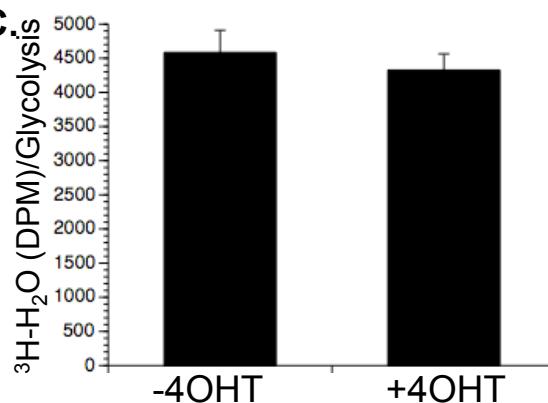
B.

CD4

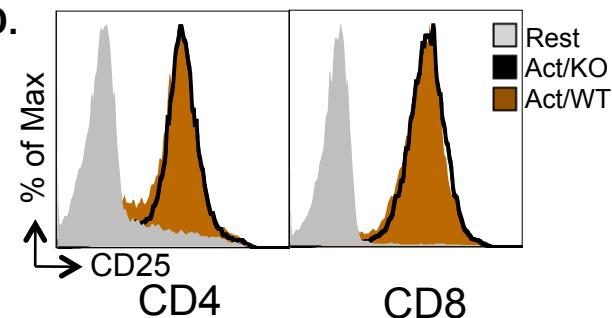
CD8



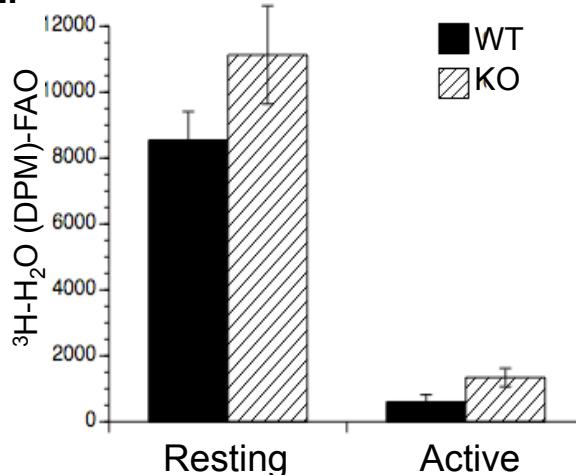
C.



D.



E.



F.

WT

KO

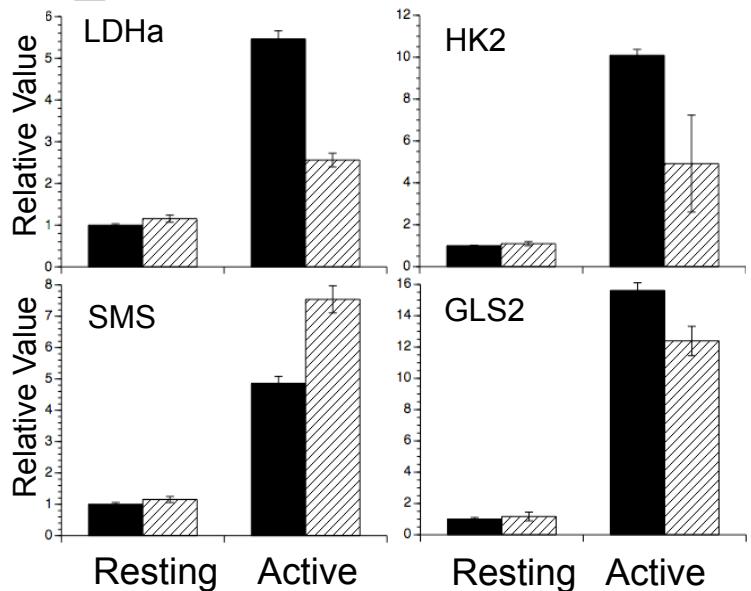
LDHa

HK2

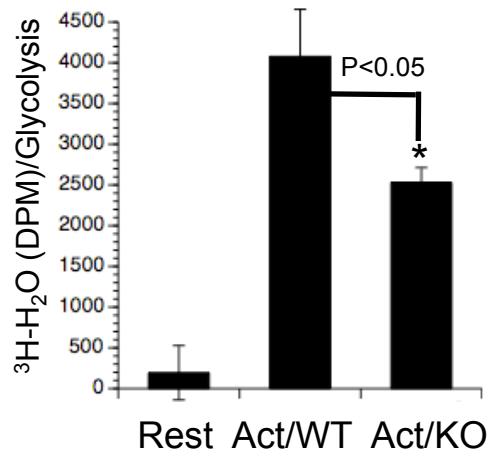
SMS

GLS2

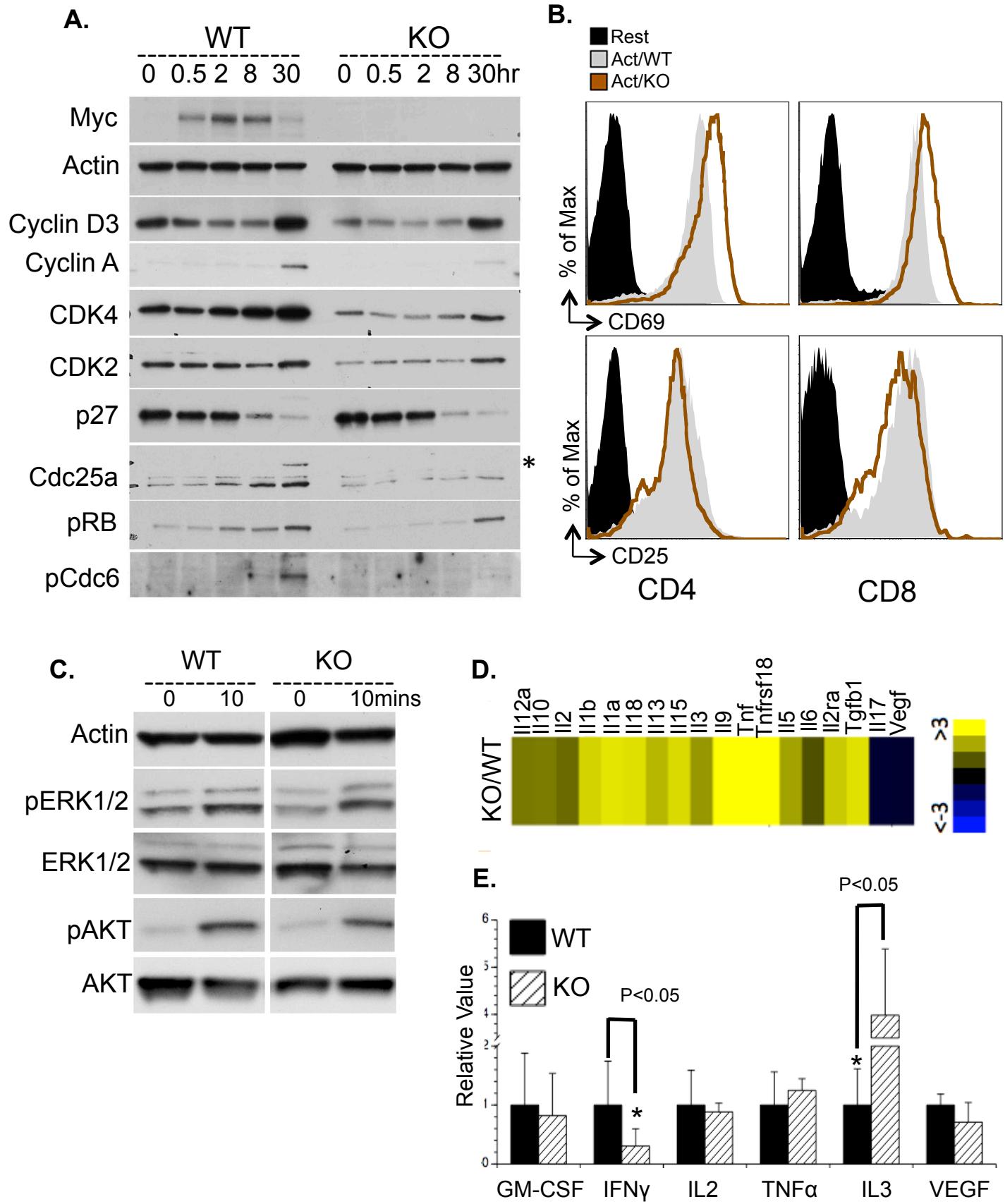
qPCR



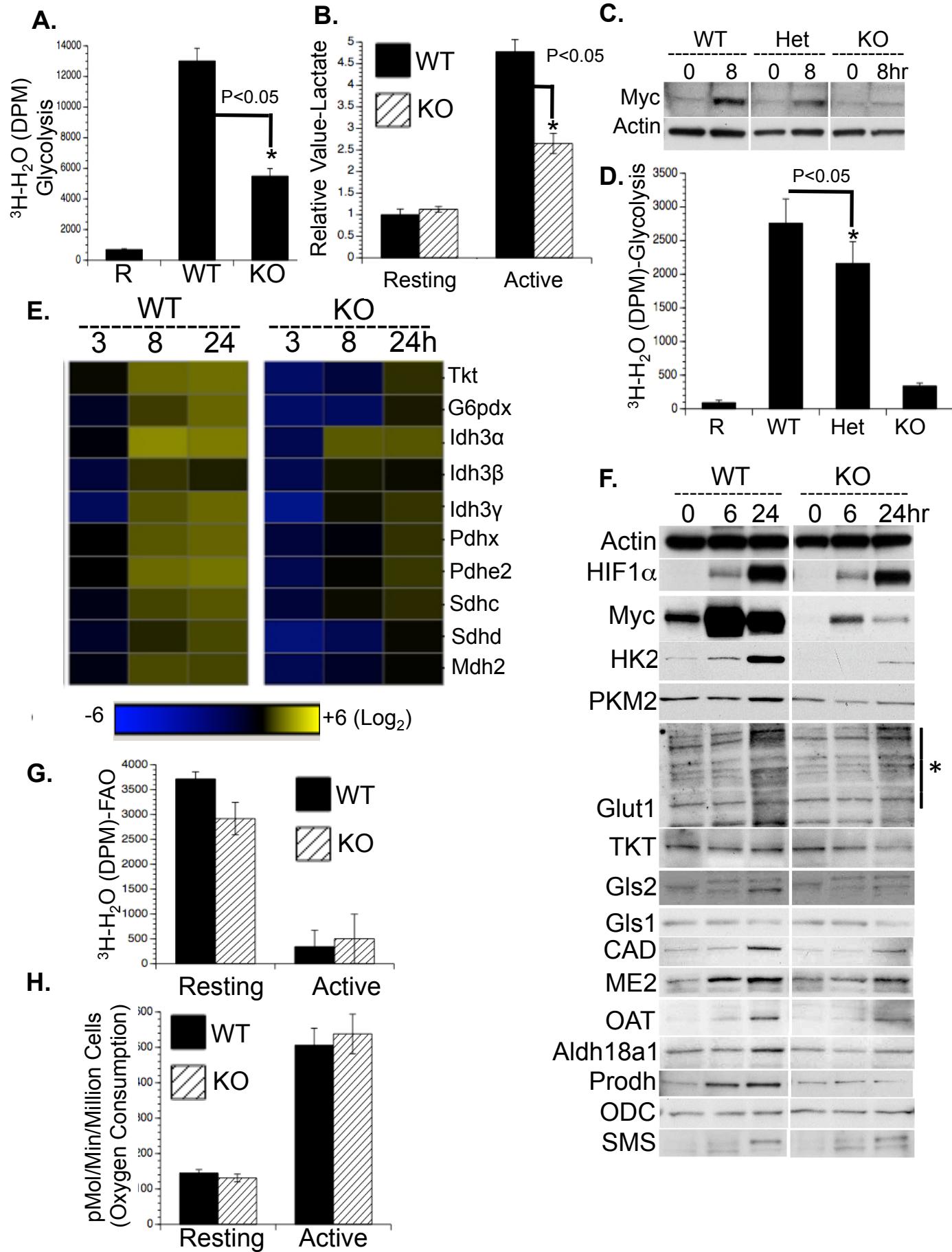
G.



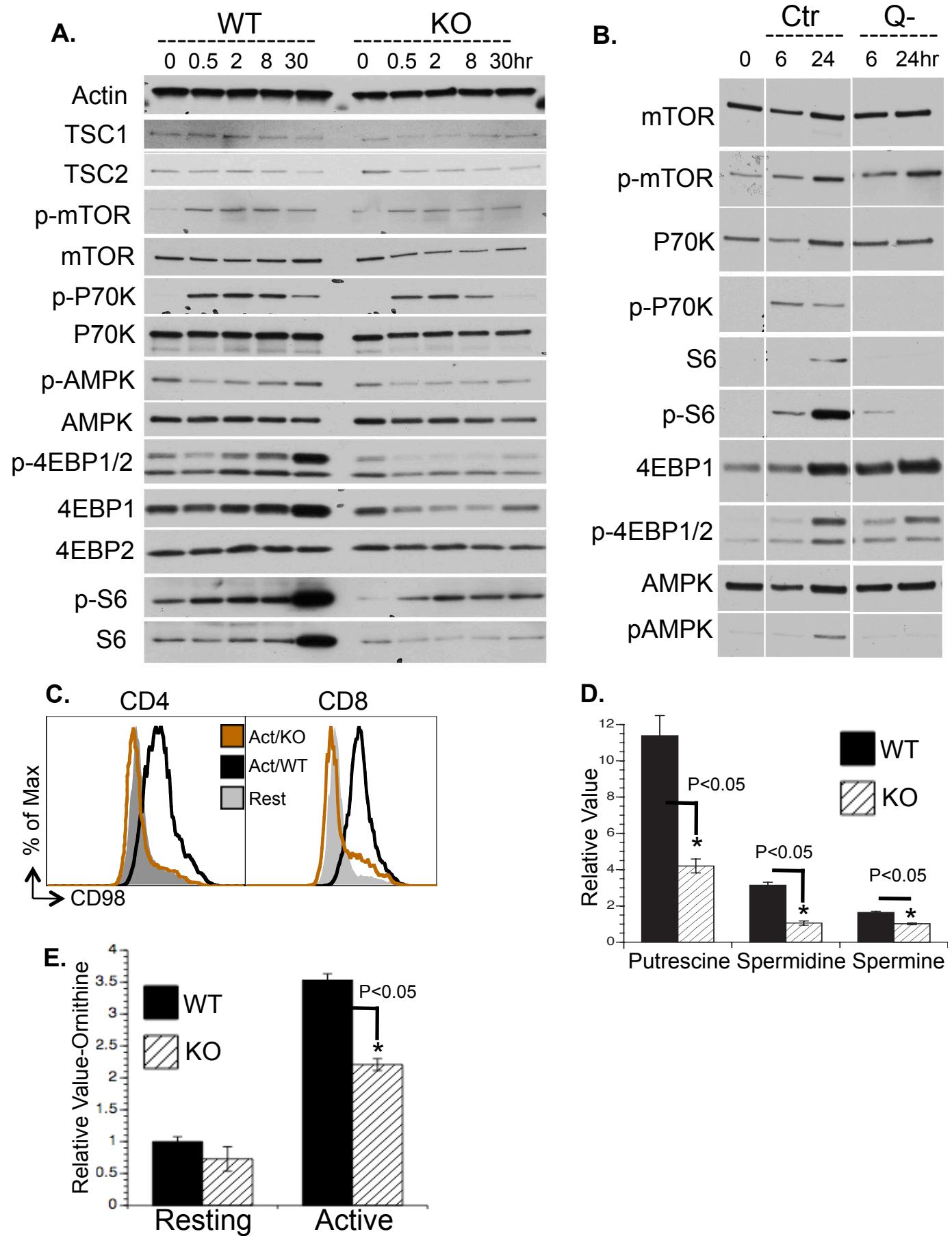
## Supplementary Figure 4



## Supplementary Figure 5



## Supplementary Figure 6



## Supplementary Figure 7

