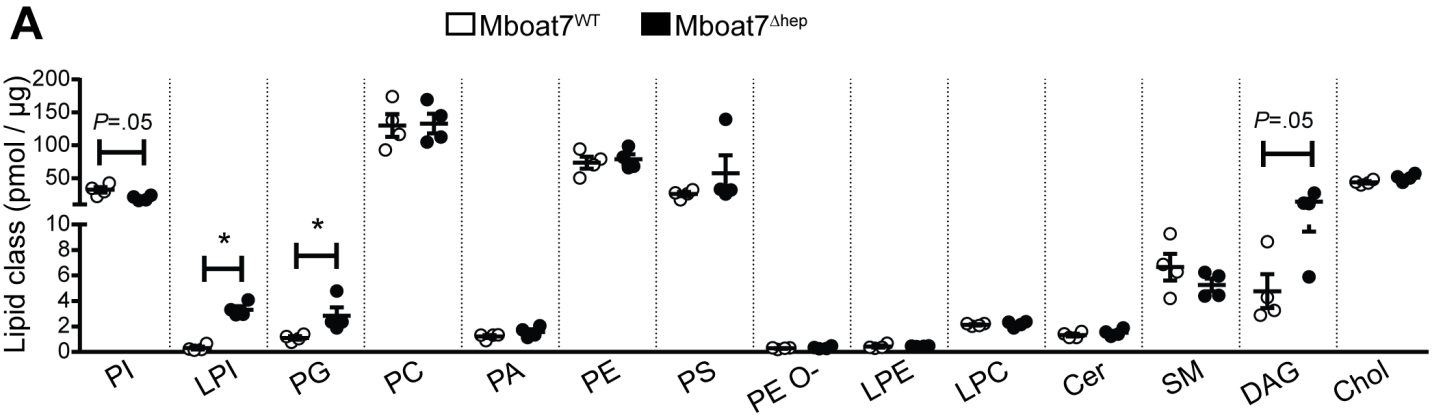
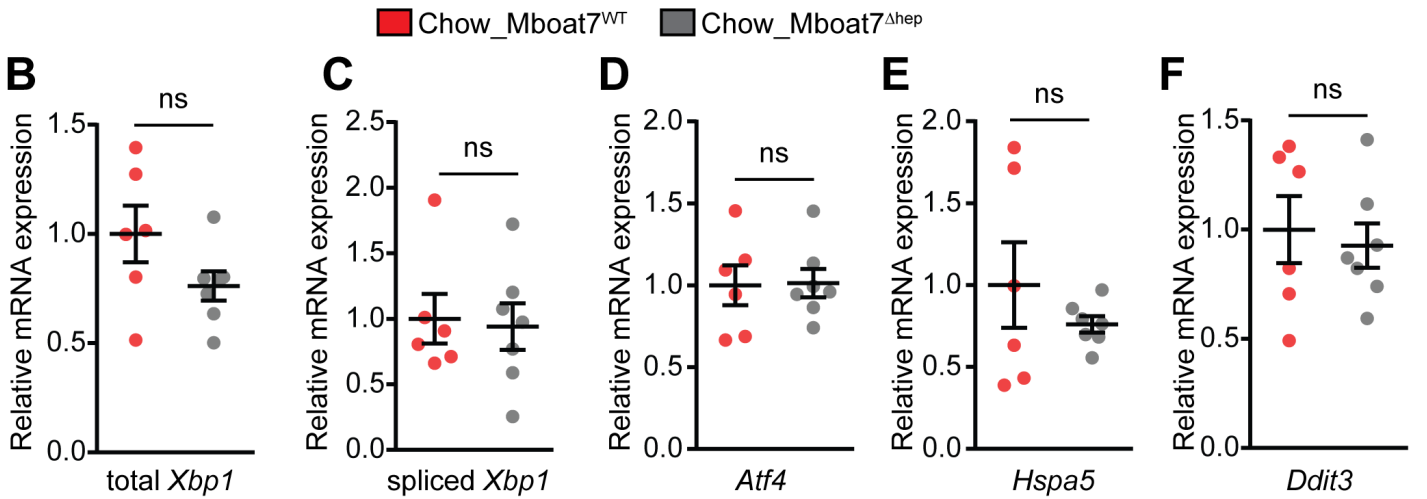
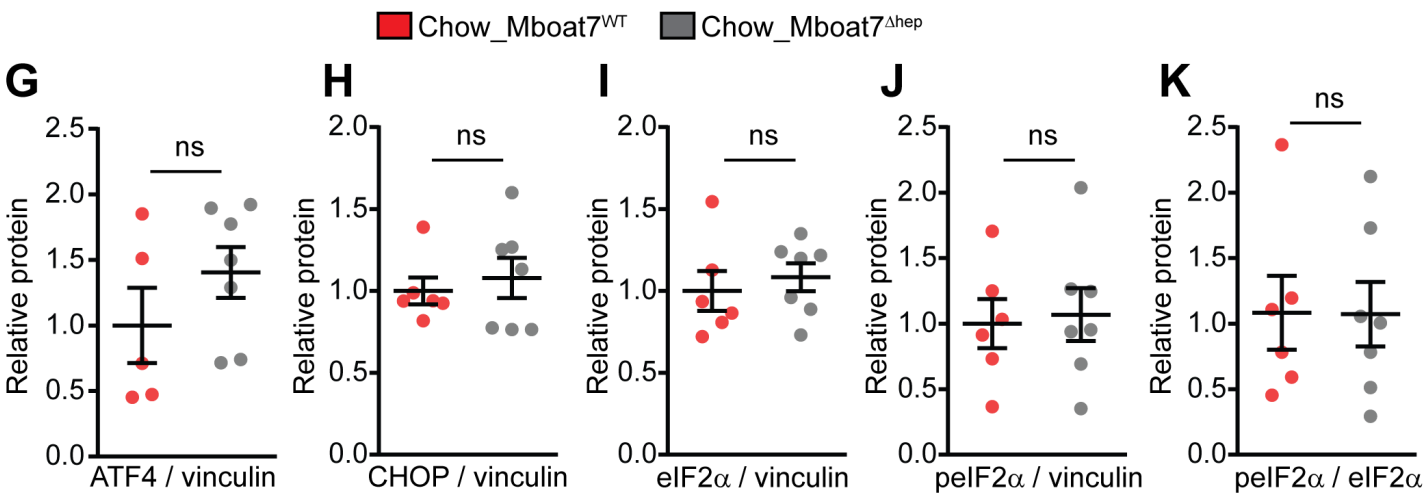

A
Mboat7WT
Mboat7Δhep
Lipid class (pmol / µg)
P=.05
*
*
P=.05
PI
LPI
PG
PC
PA
PE
PS
PE O-
LPE
LPC
Cer
SM
DAG
Chol


Chow_Mboat7WT
Chow_Mboat7Δhep
B
C
D
E
F
ns
Relative mRNA expression
total Xbp1
spliced Xbp1
Atf4
Hspa5
Ddit3


Chow_Mboat7WT
Chow_Mboat7Δhep
G
H
I
J
K
ns
Relative protein
ATF4 / vinculin
CHOP / vinculin
eIF2α / vinculin
peIF2α / vinculin
peIF2α / eIF2α