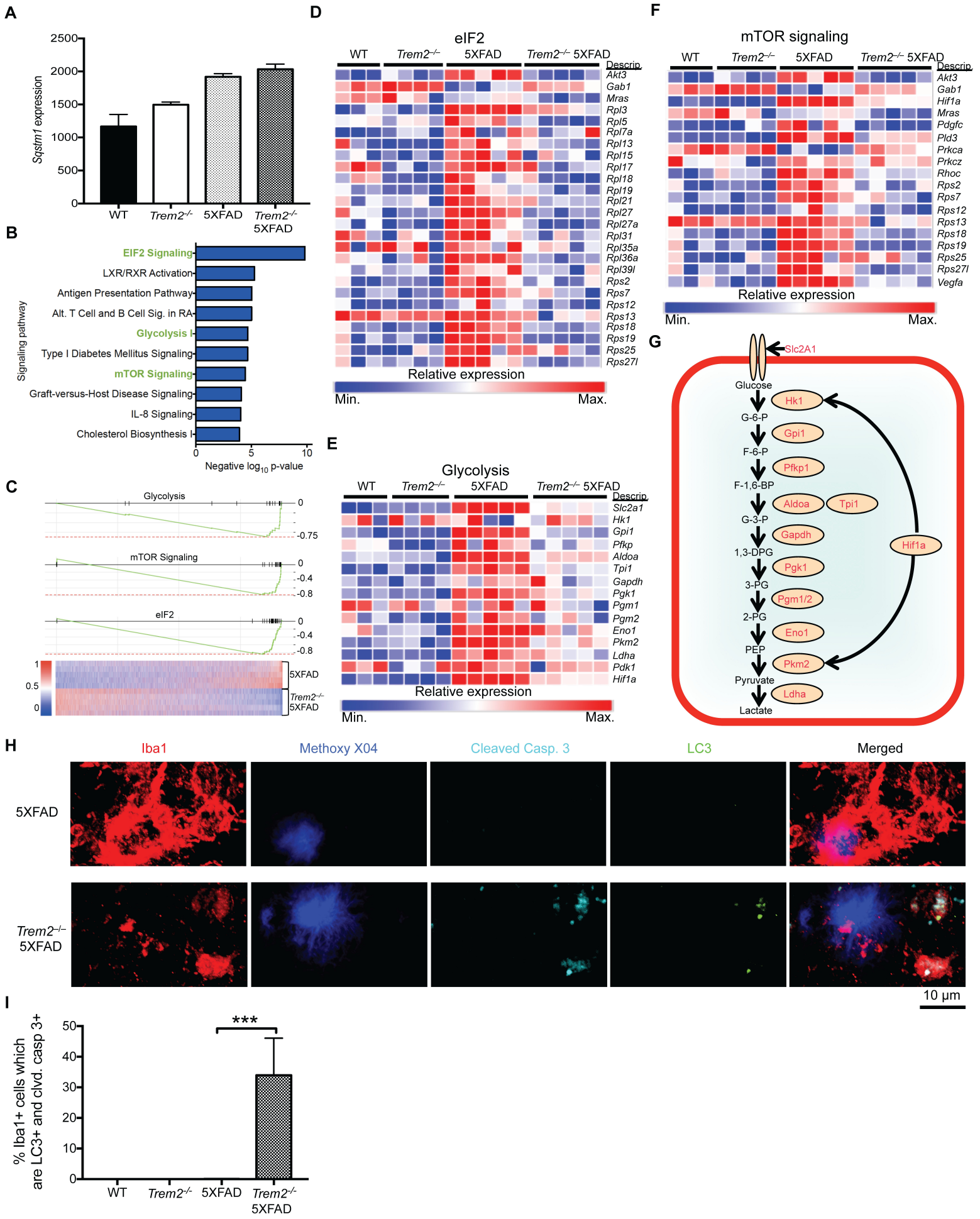
A
Sqstm1 expression
2500
2000
1500
1000
500
0
WT
Trem2-/-
5XFAD
Trem2-/- 5XFAD
B
Signaling pathway
EIF2 Signaling
LXR/RXR Activation
Antigen Presentation Pathway
Alt. T Cell and B Cell Sig. in RA
Glycolysis I
Type I Diabetes Mellitus Signaling
mTOR Signaling
Graft-versus-Host Disease Signaling
IL-8 Signaling
Cholesterol Biosynthesis I
0
5
10
Negative log10 p-value
C
Glycolysis
mTOR Signaling
eIF2
0
-0.75
-0.4
-0.8
1
0.5
0
5XFAD
Trem2-/- 5XFAD
D
eIF2
WT
Trem2-/-
5XFAD
Trem2-/- 5XFAD
Descrip.
Akt3
Gab1
Mras
Rpl3
Rpl5
Rpl7a
Rpl13
Rpl15
Rpl17
Rpl18
Rpl19
Rpl21
Rpl27
Rpl27a
Rpl31
Rpl35a
Rpl36a
Rpl39l
Rps2
Rps7
Rps12
Rps13
Rps18
Rps19
Rps25
Rps27l
Relative expression
Min.
Max.
E
Glycolysis
WT
Trem2-/-
5XFAD
Trem2-/- 5XFAD
Descrip.
Slc2a1
Hk1
Gpi1
Pfkp
Aldoa
Tpi1
Gapdh
Pgk1
Pgm1
Pgm2
Eno1
Pkm2
Ldha
Pdk1
Hif1a
Relative expression
Min.
Max.
F
mTOR signaling
WT
Trem2-/-
5XFAD
Trem2-/- 5XFAD
Descrip.
Akt3
Gab1
Hif1a
Mras
Pdgfc
Pld3
Prkca
Prkcz
Rhoc
Rps2
Rps7
Rps12
Rps13
Rps18
Rps19
Rps25
Rps27l
Vegfa
Relative expression
Min.
Max.
G
Slc2A1
Glucose
Hk1
G-6-P
Gpi1
F-6-P
Pfkp1
F-1,6-BP
Aldoa
Tpi1
G-3-P
Gapdh
1,3-DPG
Pgk1
3-PG
Pgm1/2
2-PG
Eno1
PEP
Pkm2
Pyruvate
Ldha
Lactate
Hif1a
H
Iba1
Methoxy X04
Cleaved Casp. 3
LC3
Merged
5XFAD
Trem2-/- 5XFAD
10 µm
I
% Iba1+ cells which are LC3+ and clvd. casp 3+
50
40
30
20
10
0
***
WT
Trem2-/-
5XFAD
Trem2-/- 5XFAD

Figure S2