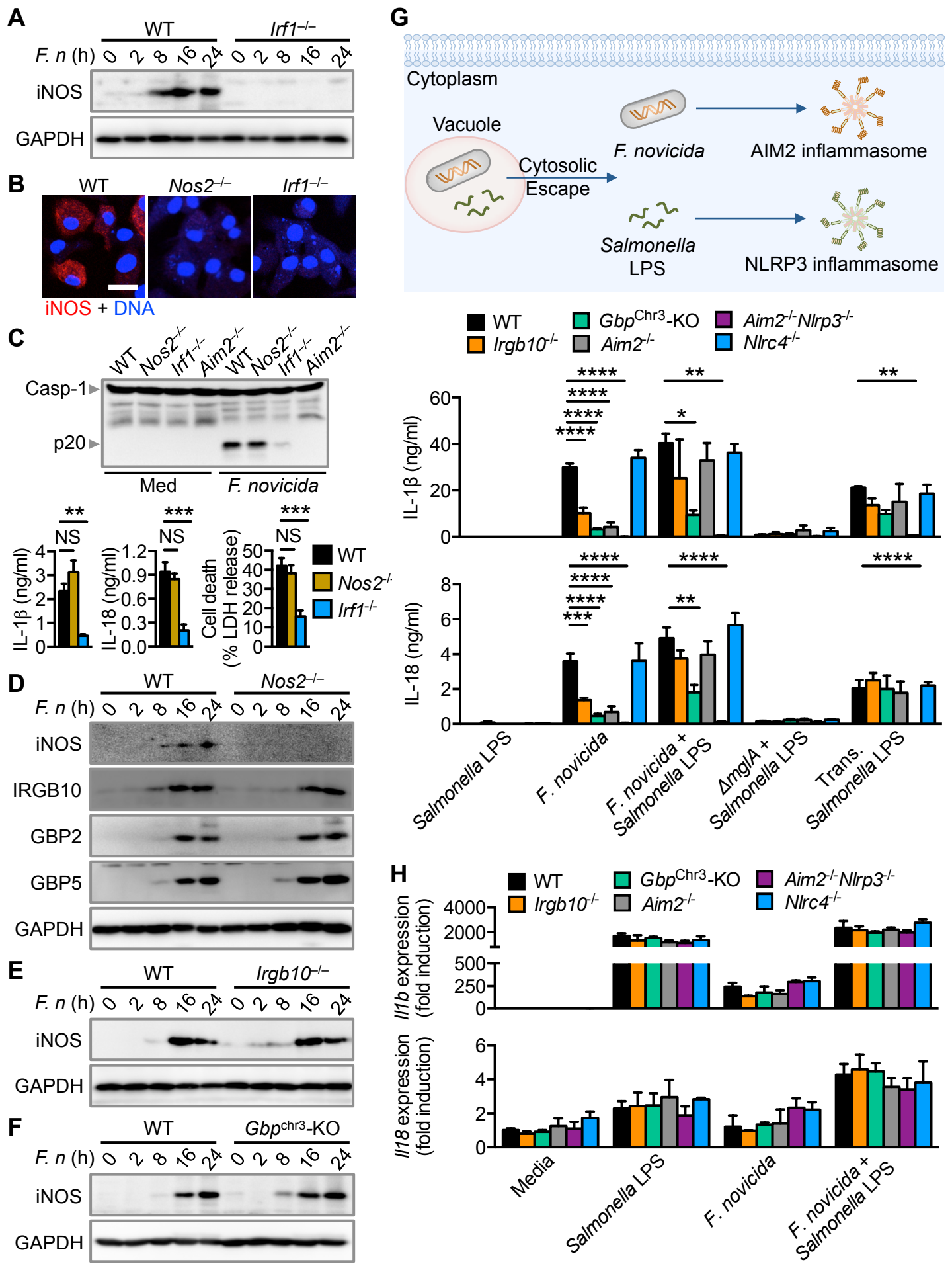
A
WT
Irf1−/−
F. n (h) 0 2 8 16 24 0 2 8 16 24
iNOS
GAPDH
B
WT
Nos2−/−
Irf1−/−
iNOS + DNA
C
WT Nos2−/− Irf1−/− Aim2−/− WT Nos2−/− Irf1−/− Aim2−/−
Casp-1
p20
Med
F. novicida
IL-1β (ng/ml)
IL-18 (ng/ml)
Cell death (% LDH release)
NS
**
***
WT
Nos2−/−
Irf1−/−
D
WT
Nos2−/−
F. n (h) 0 2 8 16 24 0 2 8 16 24
iNOS
IRGB10
GBP2
GBP5
GAPDH
E
WT
Irgb10−/−
F. n (h) 0 2 8 16 24 0 2 8 16 24
iNOS
GAPDH
F
WT
Gbpchr3-KO
F. n (h) 0 2 8 16 24 0 2 8 16 24
iNOS
GAPDH
G
Cytoplasm
Vacuole
Cytosolic Escape
F. novicida
AIM2 inflammasome
Salmonella LPS
NLRP3 inflammasome
WT
Irgb10−/−
GbpChr3-KO
Aim2−/−
Aim2−/−Nlrp3−/−
Nlrc4−/−
IL-1β (ng/ml)
IL-18 (ng/ml)
Salmonella LPS
F. novicida
F. novicida + Salmonella LPS
ΔmglA + Salmonella LPS
Trans. Salmonella LPS
H
WT
Irgb10−/−
GbpChr3-KO
Aim2−/−
Aim2−/−Nlrp3−/−
Nlrc4−/−
Il1b expression (fold induction)
Il18 expression (fold induction)
Media
Salmonella LPS
F. novicida
F. novicida + Salmonella LPS