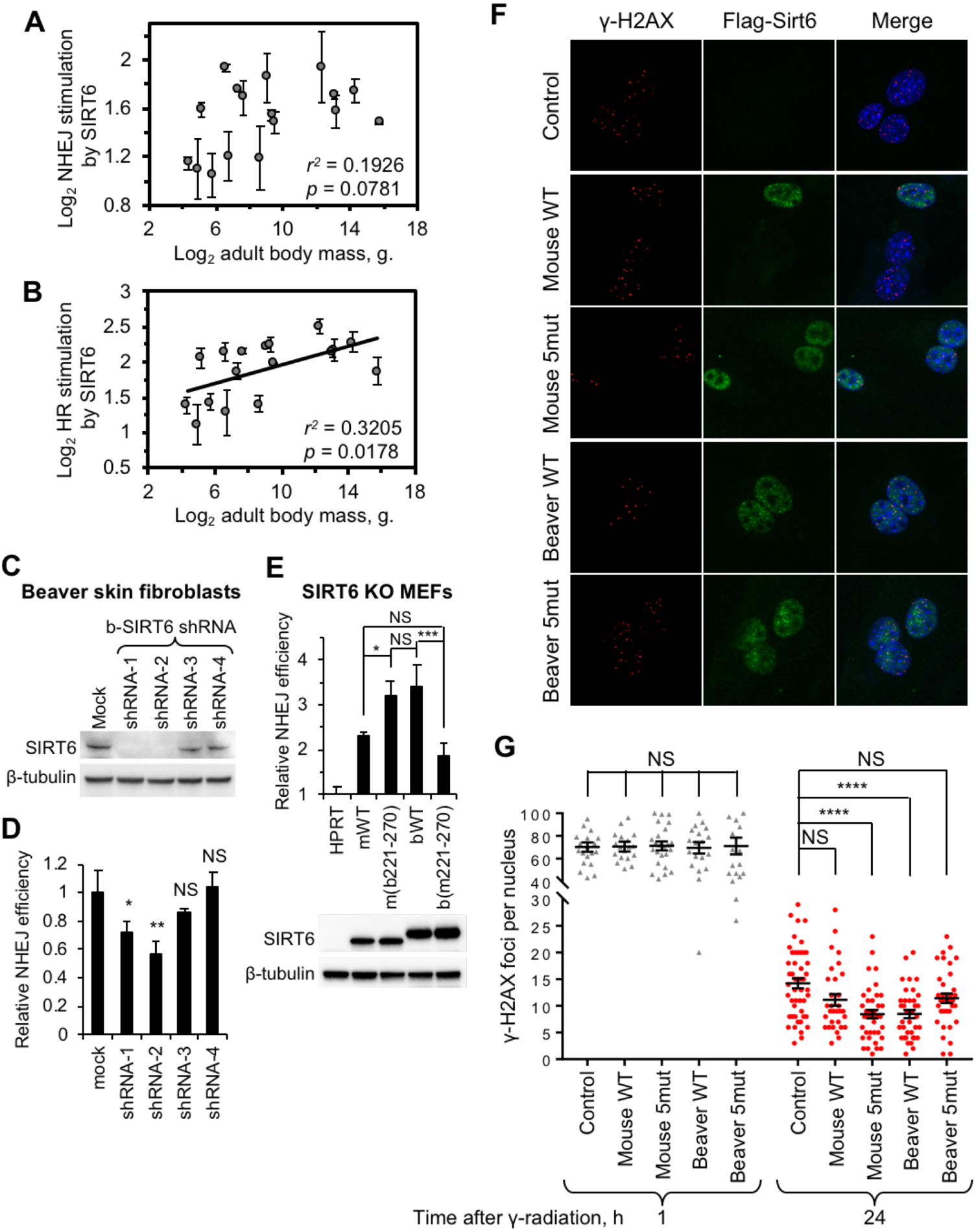
A
Log2 NHEJ stimulation by SIRT6
Log2 adult body mass, g.
r2 = 0.1926
p = 0.0781
B
Log2 HR stimulation by SIRT6
Log2 adult body mass, g.
r2 = 0.3205
p = 0.0178
C
Beaver skin fibroblasts
b-SIRT6 shRNA
Mock
shRNA-1
shRNA-2
shRNA-3
shRNA-4
SIRT6
β-tubulin
D
Relative NHEJ efficiency
mock
shRNA-1
shRNA-2
shRNA-3
shRNA-4
E
SIRT6 KO MEFs
Relative NHEJ efficiency
HPRT
mWT
m(b221-270)
bWT
b(m221-270)
SIRT6
β-tubulin
F
γ-H2AX
Flag-Sirt6
Merge
Control
Mouse WT
Mouse 5mut
Beaver WT
Beaver 5mut
G
γ-H2AX foci per nucleus
Control
Mouse WT
Mouse 5mut
Beaver WT
Beaver 5mut
Time after γ-radiation, h
1
24