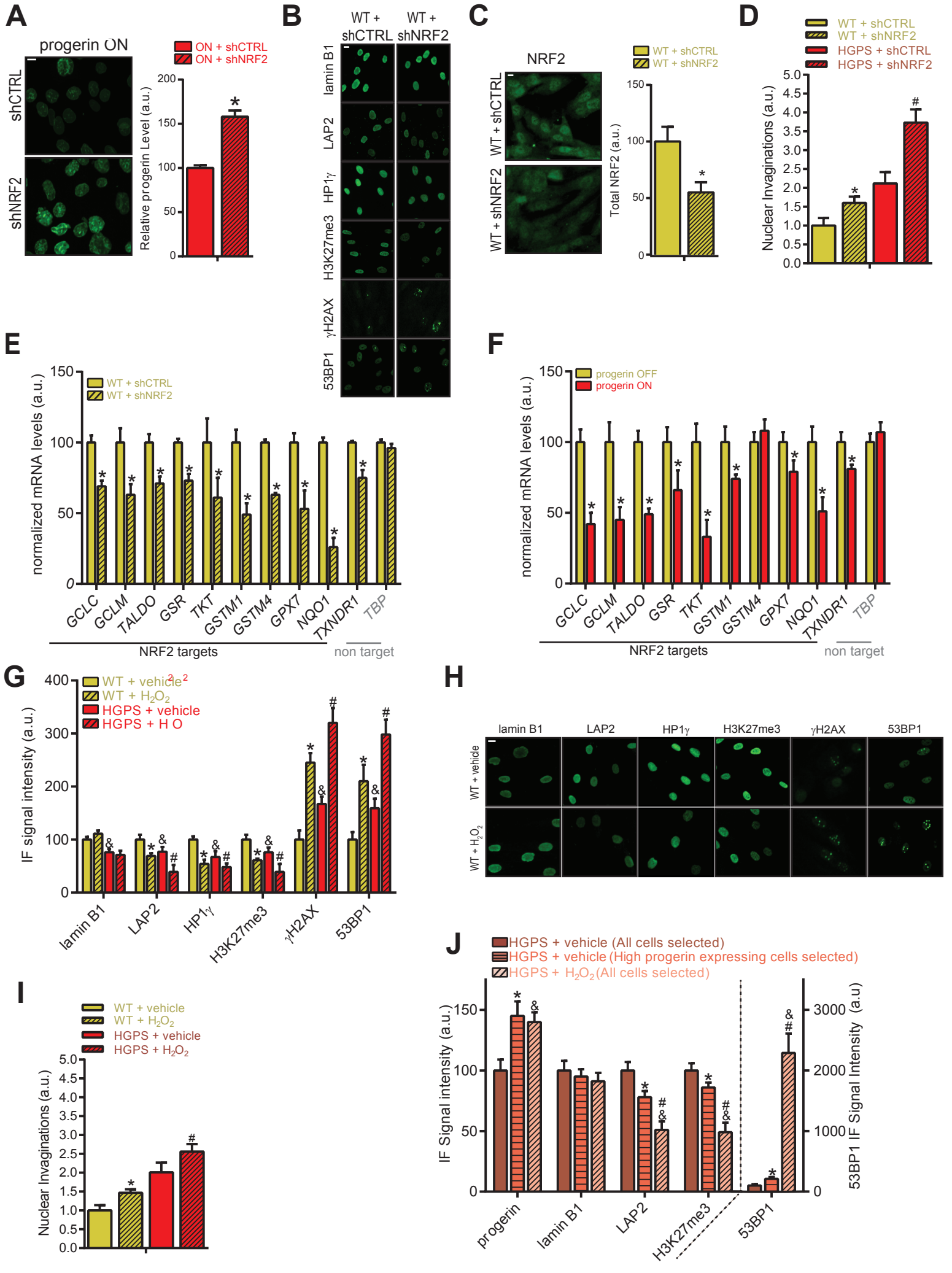
Figure S4


A
progerin ON
shCTRL
shNRF2
ON + shCTRL
ON + shNRF2
Relative progerin Level (a.u.)
B
WT + shCTRL
WT + shNRF2
lamin B1
LAP2
HP1γ
H3K27me3
γH2AX
53BP1
C
NRF2
WT + shCTRL
WT + shNRF2
Total NRF2 (a.u.)
D
WT + shCTRL
WT + shNRF2
HGPS + shCTRL
HGPS + shNRF2
Nuclear Invaginations (a.u.)
E
WT + shCTRL
WT + shNRF2
normalized mRNA levels (a.u.)
GCLC
GCLM
TALDO
GSR
TKT
GSTM1
GSTM4
GPX7
NQO1
TXNDR1
TBP
NRF2 targets
non target
F
progerin OFF
progerin ON
normalized mRNA levels (a.u.)
GCLC
GCLM
TALDO
GSR
TKT
GSTM1
GSTM4
GPX7
NQO1
TXNDR1
TBP
NRF2 targets
non target
G
WT + vehicle
WT + H2O2
HGPS + vehicle
HGPS + H O
IF signal intensity (a.u.)
lamin B1
LAP2
HP1γ
H3K27me3
γH2AX
53BP1
H
lamin B1
LAP2
HP1γ
H3K27me3
γH2AX
53BP1
WT + vehicle
WT + H2O2
I
WT + vehicle
WT + H2O2
HGPS + vehicle
HGPS + H2O2
Nuclear Invaginations (a.u.)
J
HGPS + vehicle (All cells selected)
HGPS + vehicle (High progerin expressing cells selected)
HGPS + H2O2 (All cells selected)
IF Signal intensity (a.u.)
53BP1 IF Signal Intensity (a.u)
progerin
lamin B1
LAP2
H3K27me3
53BP1