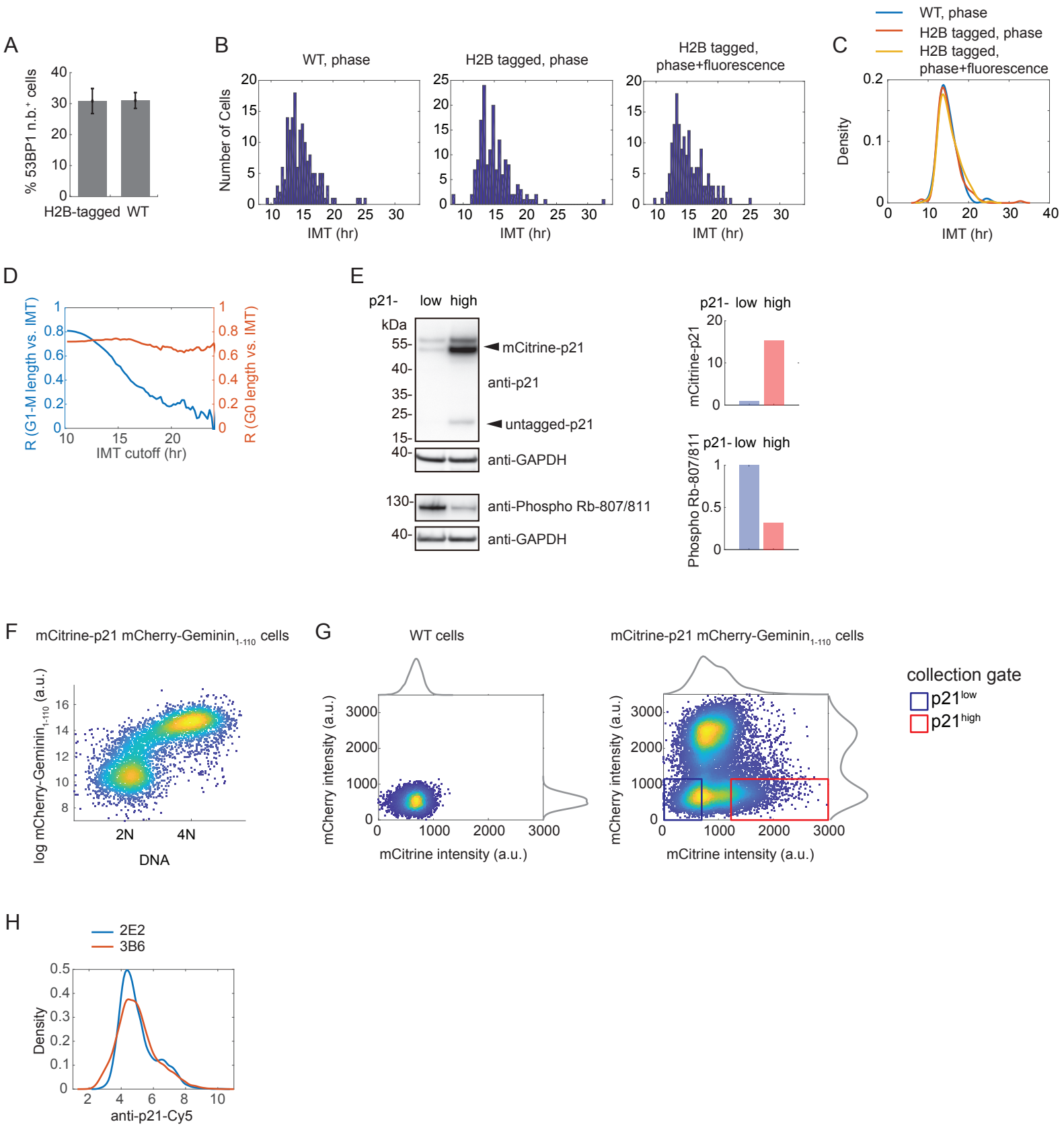
A
% 53BP1 n.b.+ cells
H2B-tagged
WT
B
WT, phase
H2B tagged, phase
H2B tagged, phase+fluorescence
Number of Cells
IMT (hr)
C
WT, phase
H2B tagged, phase
H2B tagged, phase+fluorescence
Density
IMT (hr)
D
R (G1-M length vs. IMT)
R (G0 length vs. IMT)
IMT cutoff (hr)
E
p21-
low
high
kDa
mCitrine-p21
anti-p21
untagged-p21
anti-GAPDH
anti-Phospho Rb-807/811
anti-GAPDH
mCitrine-p21
Phospho Rb-807/811
F
mCitrine-p21 mCherry-Geminin1-110 cells
log mCherry-Geminin1-110 (a.u.)
2N
4N
DNA
G
WT cells
mCitrine-p21 mCherry-Geminin1-110 cells
mCherry intensity (a.u.)
mCitrine intensity (a.u.)
collection gate
p21low
p21high
H
2E2
3B6
Density
anti-p21-Cy5

Figure S1