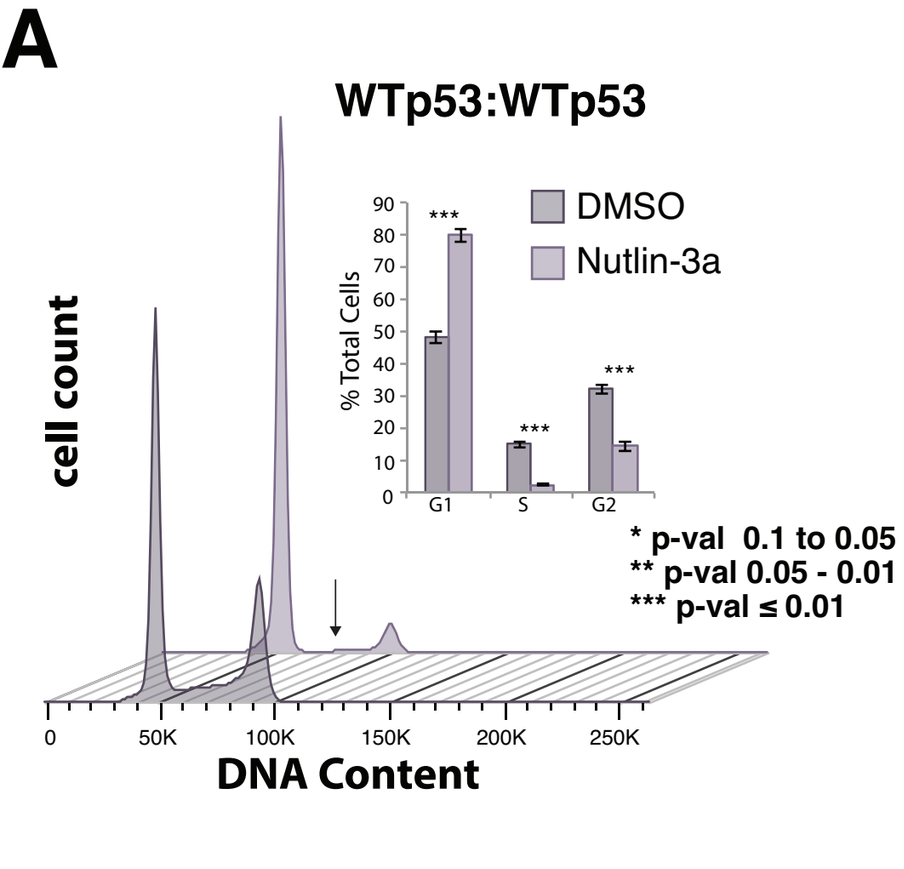
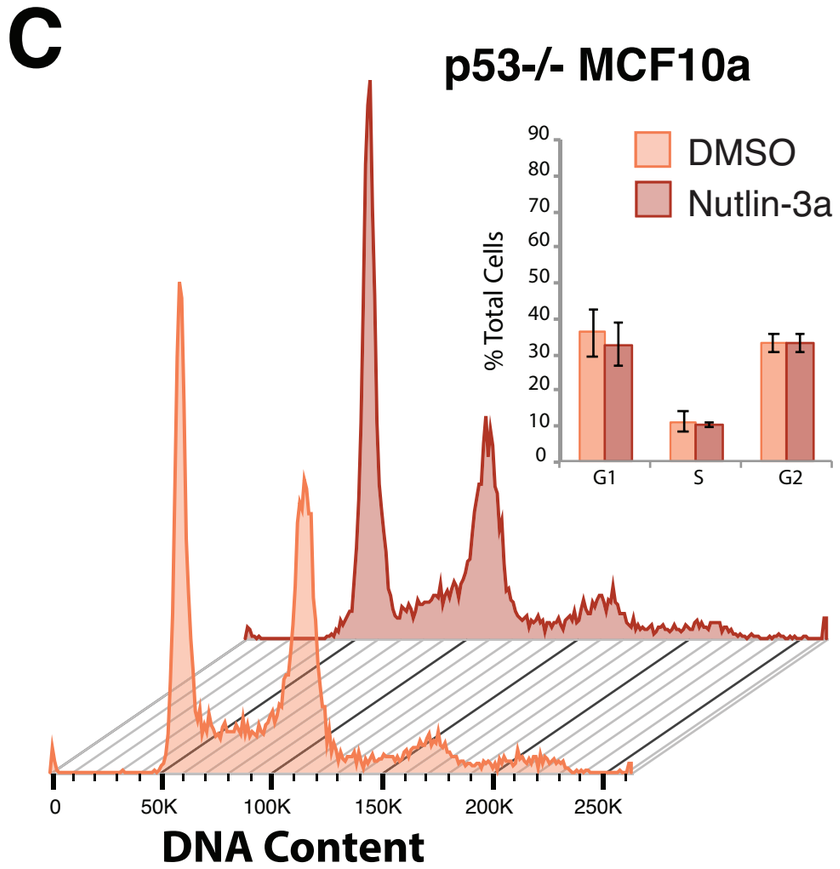
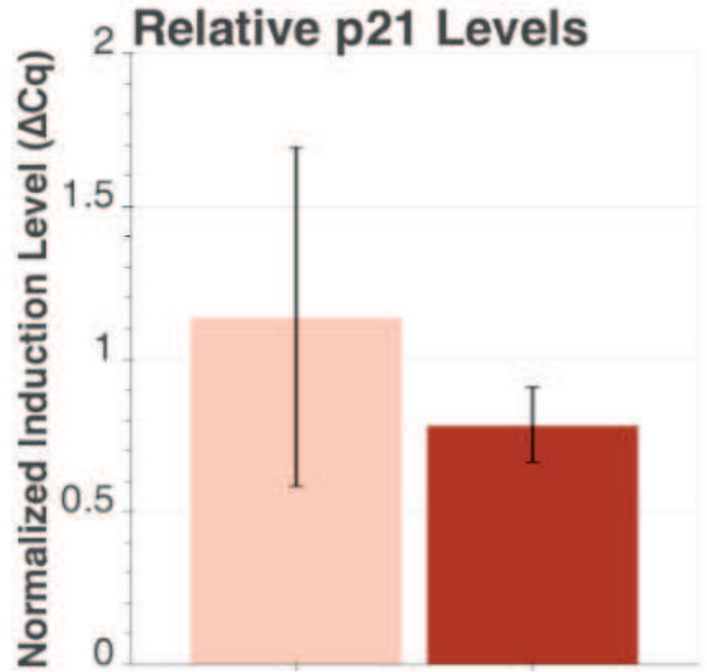
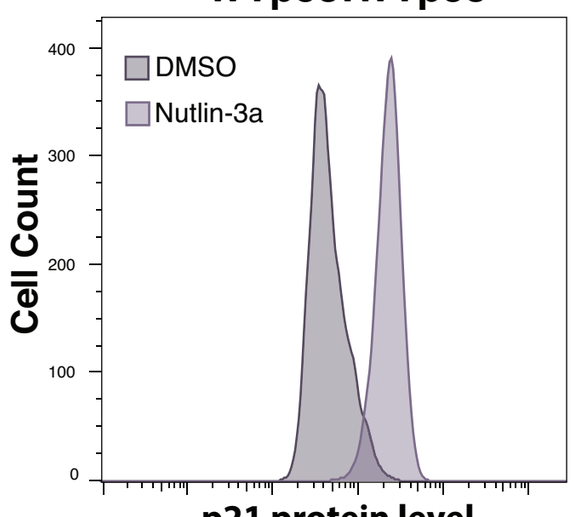
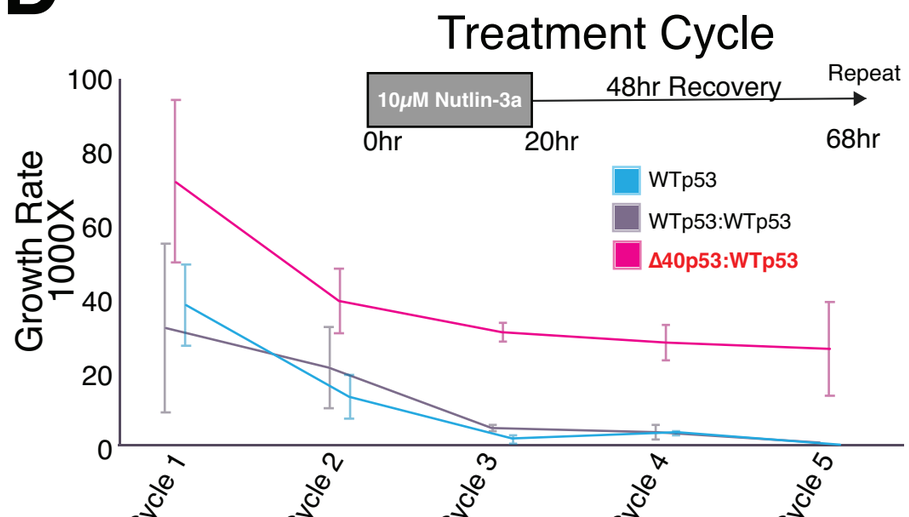
S5_Figure


A
WTp53:WTp53
DMSO
Nutlin-3a
% Total Cells
G1
S
G2
***
cell count
* p-val 0.1 to 0.05
** p-val 0.05 - 0.01
*** p-val ≤ 0.01
0
50K
100K
150K
200K
250K
DNA Content


C
p53-/- MCF10a
DMSO
Nutlin-3a
% Total Cells
G1
S
G2
0
50K
100K
150K
200K
250K
DNA Content


Relative p21 Levels
Normalized Induction Level (ΔCq)
DMSO
Nutlin-3a
p53-null


B
WTp53:WTp53
DMSO
Nutlin-3a
Cell Count
p21 protein level


D
Treatment Cycle
10μM Nutlin-3a
48hr Recovery
Repeat
0hr
20hr
68hr
WTp53
WTp53:WTp53
Δ40p53:WTp53
Growth Rate 1000X
Cycle 1
Cycle 2
Cycle 3
Cycle 4
Cycle 5