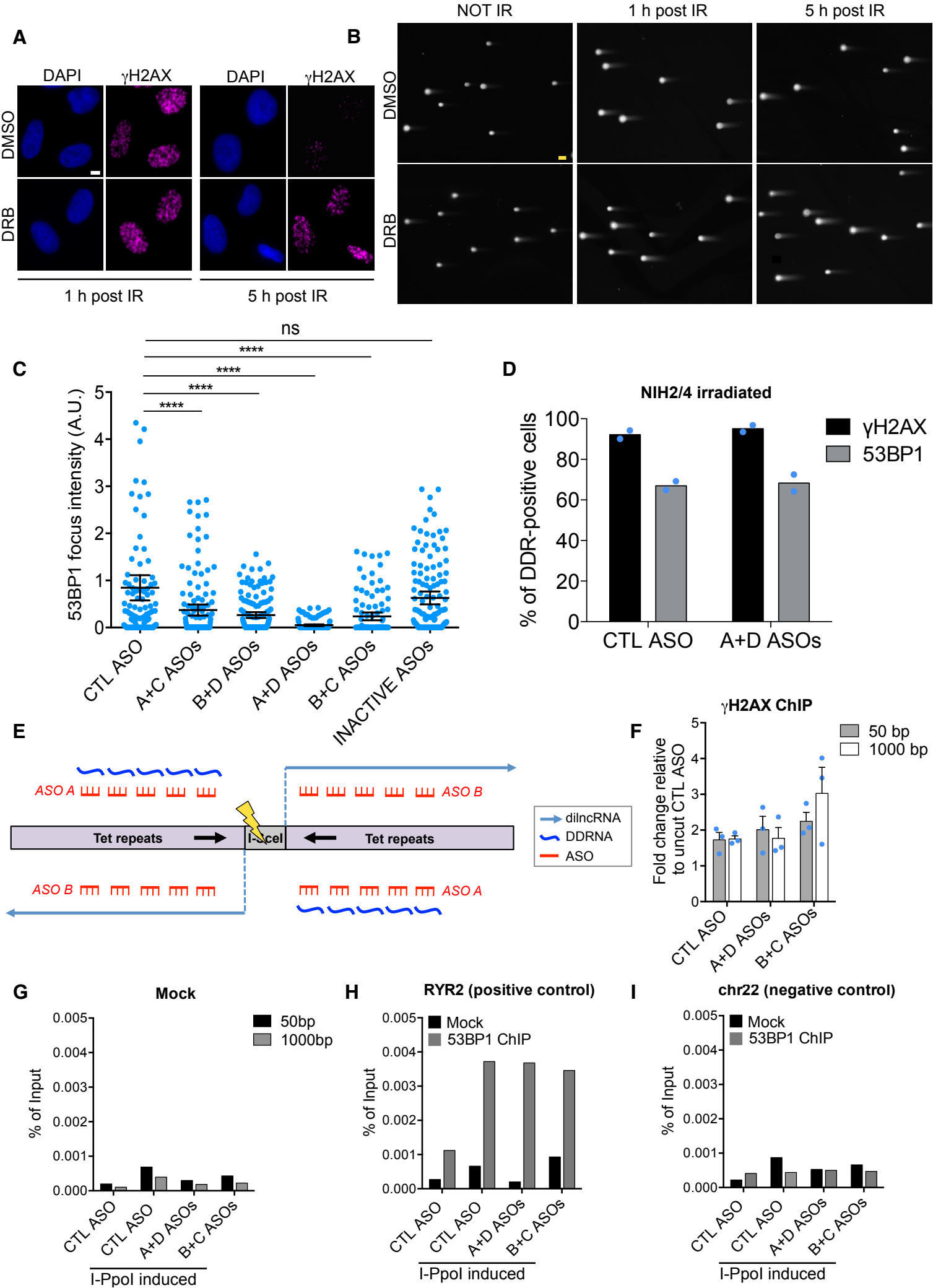
A
DAPI
γH2AX
DAPI
γH2AX
DMSO
DRB
1 h post IR
5 h post IR
B
NOT IR
1 h post IR
5 h post IR
DMSO
DRB
C
ns
****
****
****
****
53BP1 focus intensity (A.U.)
CTL ASO
A+C ASOs
B+D ASOs
A+D ASOs
B+C ASOs
INACTIVE ASOs
D
NIH2/4 irradiated
% of DDR-positive cells
γH2AX
53BP1
CTL ASO
A+D ASOs
E
ASO A
ASO B
Tet repeats
I-SceI
Tet repeats
ASO B
ASO A
dilncRNA
DDRNA
ASO
F
γH2AX ChIP
Fold change relative to uncut CTL ASO
50 bp
1000 bp
CTL ASO
A+D ASOs
B+C ASOs
G
Mock
% of Input
50bp
1000bp
CTL ASO
CTL ASO
A+D ASOs
B+C ASOs
I-PpoI induced
H
RYR2 (positive control)
% of Input
Mock
53BP1 ChIP
CTL ASO
CTL ASO
A+D ASOs
B+C ASOs
I-PpoI induced
I
chr22 (negative control)
% of Input
Mock
53BP1 ChIP
CTL ASO
CTL ASO
A+D ASOs
B+C ASOs
I-PpoI induced