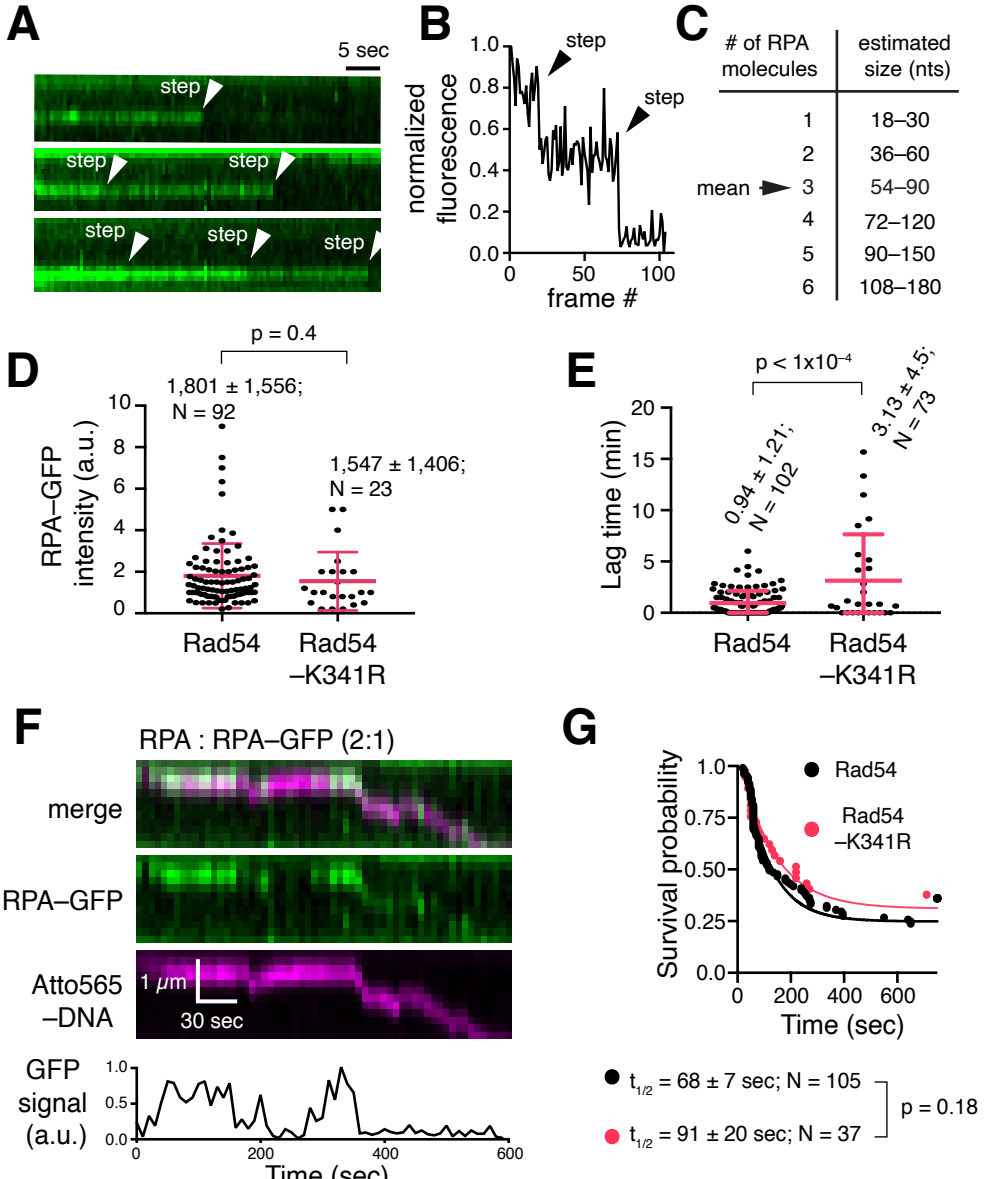
A
5 sec
step
step
step
step
step
step
B
normalized fluorescence
frame #
step
step
C
# of RPA molecules
estimated size (nts)
1 18–30
2 36–60
mean 3 54–90
4 72–120
5 90–150
6 108–180
D
p = 0.4
1,801 ± 1,556; N = 92
1,547 ± 1,406; N = 23
RPA–GFP intensity (a.u.)
Rad54
Rad54 –K341R
E
p < 1x10⁻⁴
0.94 ± 1.21; N = 102
3.13 ± 4.5; N = 73
Lag time (min)
Rad54
Rad54 –K341R
F
RPA : RPA–GFP (2:1)
merge
RPA–GFP
Atto565 –DNA
1 μm
30 sec
GFP signal (a.u.)
Time (sec)
G
Survival probability
Rad54
Rad54 –K341R
Time (sec)
t1/2 = 68 ± 7 sec; N = 105
t1/2 = 91 ± 20 sec; N = 37
p = 0.18