A
180 min after HO induction
p = 0.39
Percent loss of qPCR product across the HOcs
25%
20%
15%
10%
5%
0%
WT
exo1Δ
B
Apol
~ 100 bps
Apol
C
Apol protection (168 nt from HOcs)
Cumulative cell cycles with Rad52 foci
15%
10%
5%
0%
0
60
120
180
240
Time after HO induction (min)
D
10.3kb LacO, LacI-GFP
E
1kb LacO, LacI-GFP
F
no LacO, LacI-GFP
G
no LacI-GFP (long exp)
H
WT
Percent Resected (undigested by Apol)
15%
10%
5%
0%
0
120
240
360
Time after HO induction
LacO array
HOcs
Apol site -14,253 bps
Apol site -168 bps
Apol site +13,150 bps
Distance from HOcs
–168 bps
–14,253 bps
+13,150 bps
I
90min after HO induction
WT
exo1Δ
ctp1Δ
Percent Resected (normalized to T=0min)
6%
4%
2%
0%
–2%
–300 bps
–3,023 bps
Distance from HOcs
J
p < 10-5
Cell cycles w/ Rad52 foci
20%
15%
10%
5%
0%
WT
exo1Δ