A
Plasmid CEN
Empty
Plasmid CEN
dCAS9-VP64
Plasmid 2µ
dCAS9-VP64
GFP fluorescence ratio (x10³)
100
80
60
40
20
0
0
2
16
250
Estradiol concentration (nM)
mCherry fluorescence ratio (x10³)
3.0
2.0
1.0
0.0
Estradiol concentration (nM)

B
Plasmid CEN
Empty
Plasmid CEN
pCYC1m-
mCherry
Plasmid 2µ
Empty
Plasmid 2µ
pCYC1m-
mCherry
GFP fluorescence ratio (x10³)
100
80
60
40
20
0
0
2
16
250
Estradiol concentration (nM)
mCherry fluorescence ratio (x10³, log scale)
128
32
8.0
2.0
0.5
Estradiol concentration (nM)