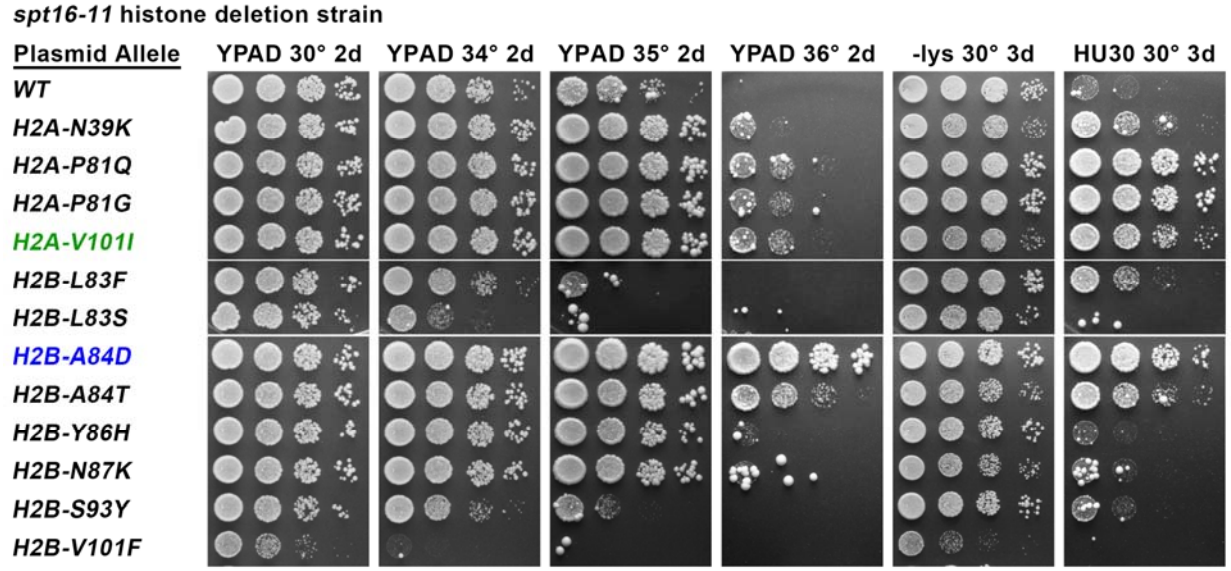
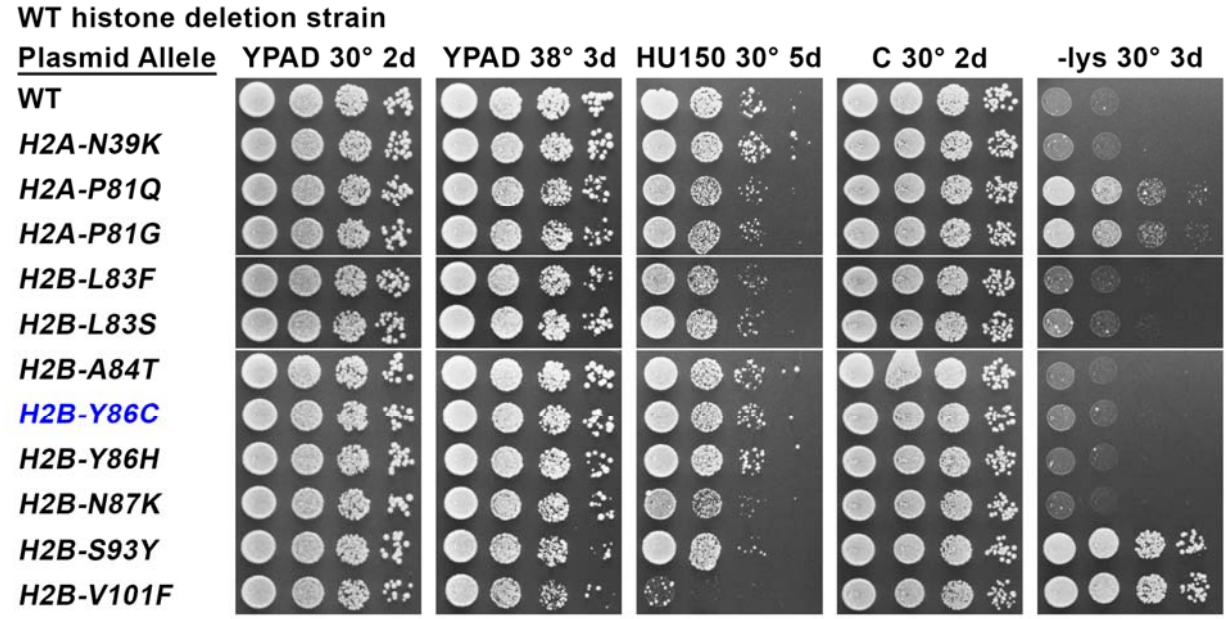
A


spt16-11 histone deletion strain
Plasmid Allele
YPAD 30° 2d
YPAD 34° 2d
YPAD 35° 2d
YPAD 36° 2d
-lys 30° 3d
HU30 30° 3d
WT
H2A-N39K
H2A-P81Q
H2A-P81G
H2A-V101I
H2B-L83F
H2B-L83S
H2B-A84D
H2B-A84T
H2B-Y86H
H2B-N87K
H2B-S93Y
H2B-V101F

B


WT histone deletion strain
Plasmid Allele
YPAD 30° 2d
YPAD 38° 3d
HU150 30° 5d
C 30° 2d
-lys 30° 3d
WT
H2A-N39K
H2A-P81Q
H2A-P81G
H2B-L83F
H2B-L83S
H2B-A84T
H2B-Y86C
H2B-Y86H
H2B-N87K
H2B-S93Y
H2B-V101F

C

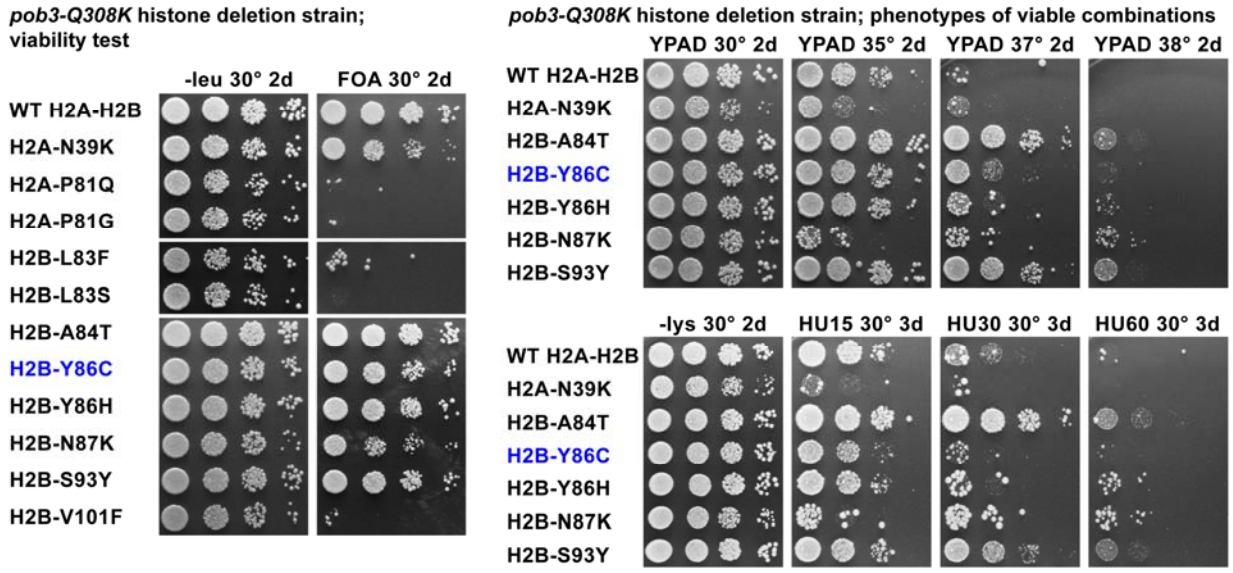


Figure S1

Effects of *spt6-F249K* suppressors in FACT mutants or a WT strain. Tests were conducted as in Fig 1. A) Strain 9029-3-2 pTF237 (*spt16-11* with histone deletions) was transformed with plasmids carrying suppressors of *spt6-F249K* to test for overlap between the two sets of suppressors. B) Strain 9028-6-1 pTF237 (WT with histone deletions) was tested as above to determine the effects of histone mutations in an otherwise normal strain. C) Strain 9028-1-4 pTF237 (*pob3-Q308K* with histone deletions) was tested with the *spt6-F249K* suppressor plasmids and tested as above. Only a subset of the plasmids was able to support growth of the *pob3-Q308K* strain, with others failing to grow on medium containing FOA, indicating inability to lose the WT histone plasmid pTF237 (left panel). Strains that survived this selection were tested for phenotypes as above (right panel).