

YMC 4/19/11

Diploid Screen (96 well plate)

YMC 4/19/11 - Purpose

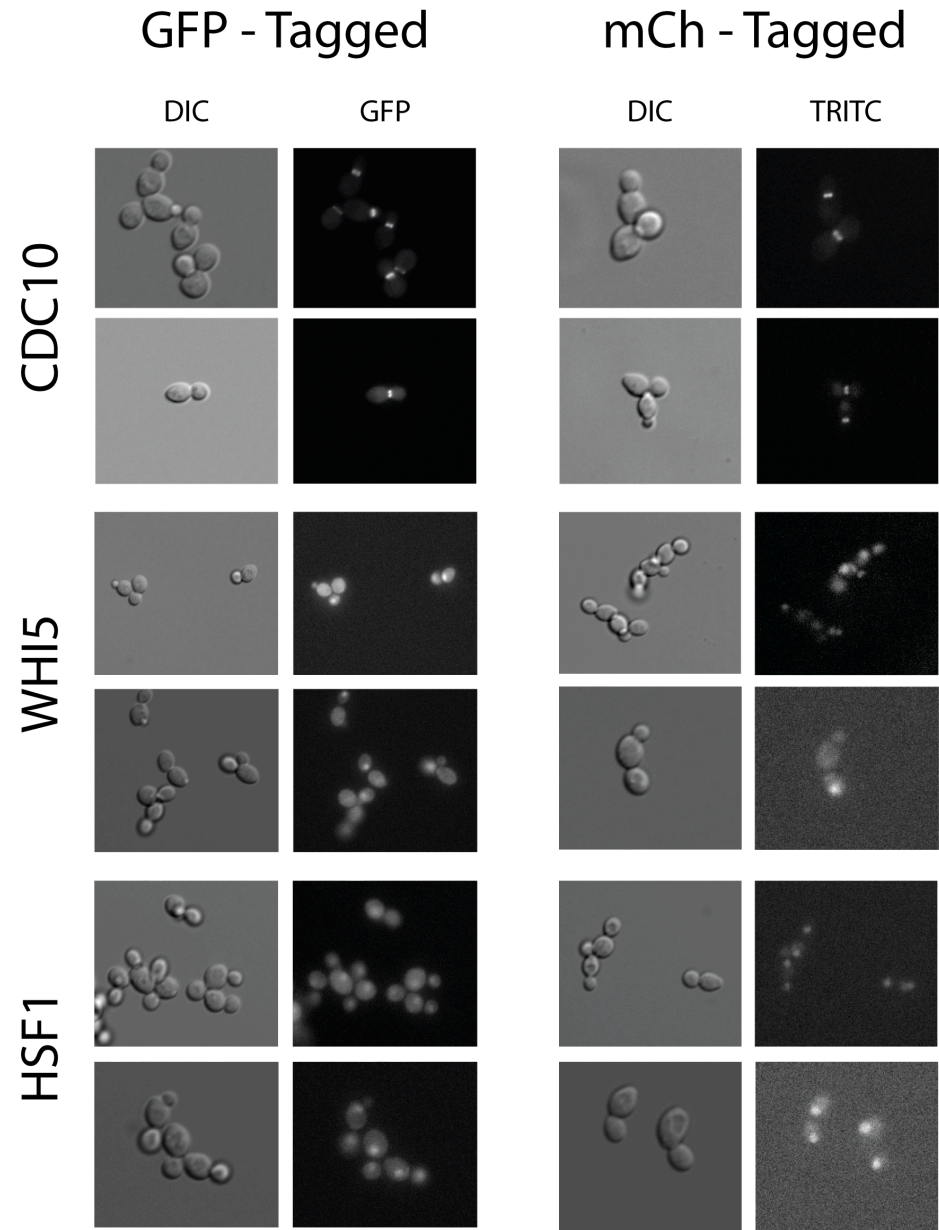
- Screen for fluorescence markers in yMM291 diploids transformed on 4/12/11 by A. Bisaria (see pg 18-19).
- Checked for characteristic localization of the transcription factors.
- mCherry and GFP fusions made for: Aft1, Leu3, Hap4, Hsf1, Cdc10, and Whi5.
- Transformants selected by drug resistance.
- Used 96-well screening method.

Results

Cdc-10 shows characteristic Budneck localization.

Whi5 shows localization at early G1 before M phase (small buds).

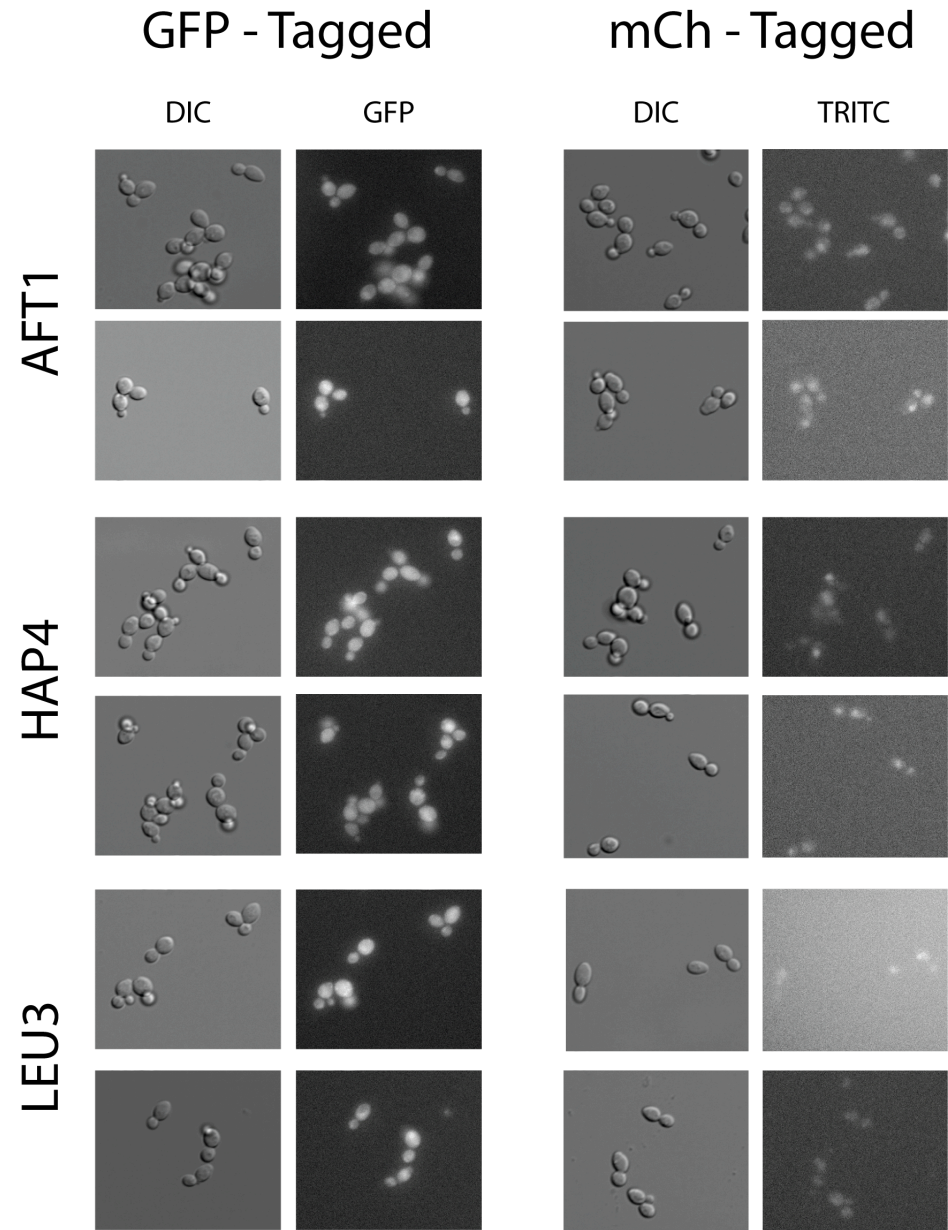
Hsf1 shows positive nuclear localization.



Results

Aft1, Hap4, and Leu3 all showed inconclusive localization. Will be verified by Colony PCR

See A. Bisaria Notebook 1 pg 26-28 for colony PCR verifications of the strains.



Results

- After sporulation and PCR verification/
Fluorescent screening of the haploids, 13 of
the strains were frozen down into the yMM
stocks (yMM843-853)