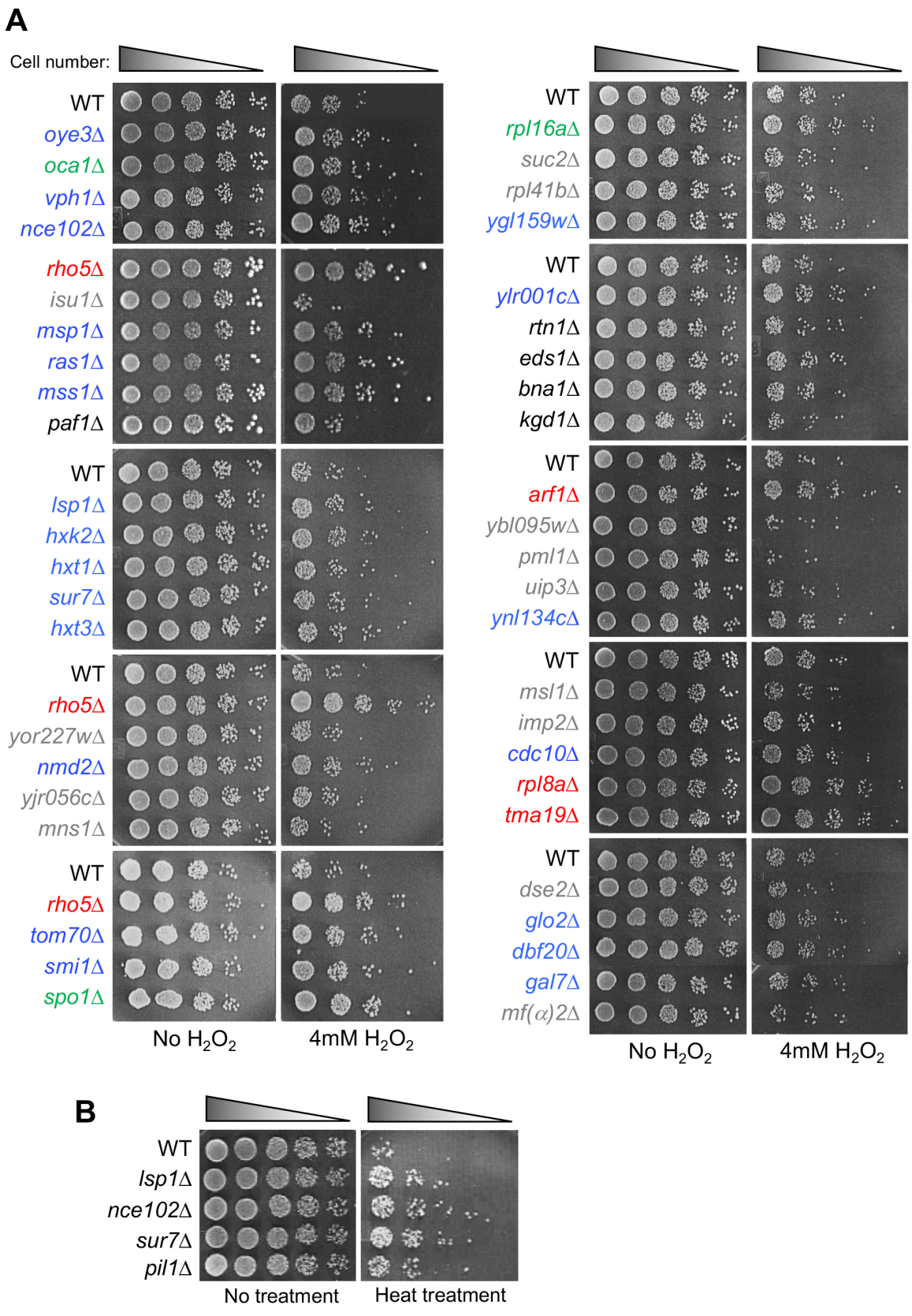
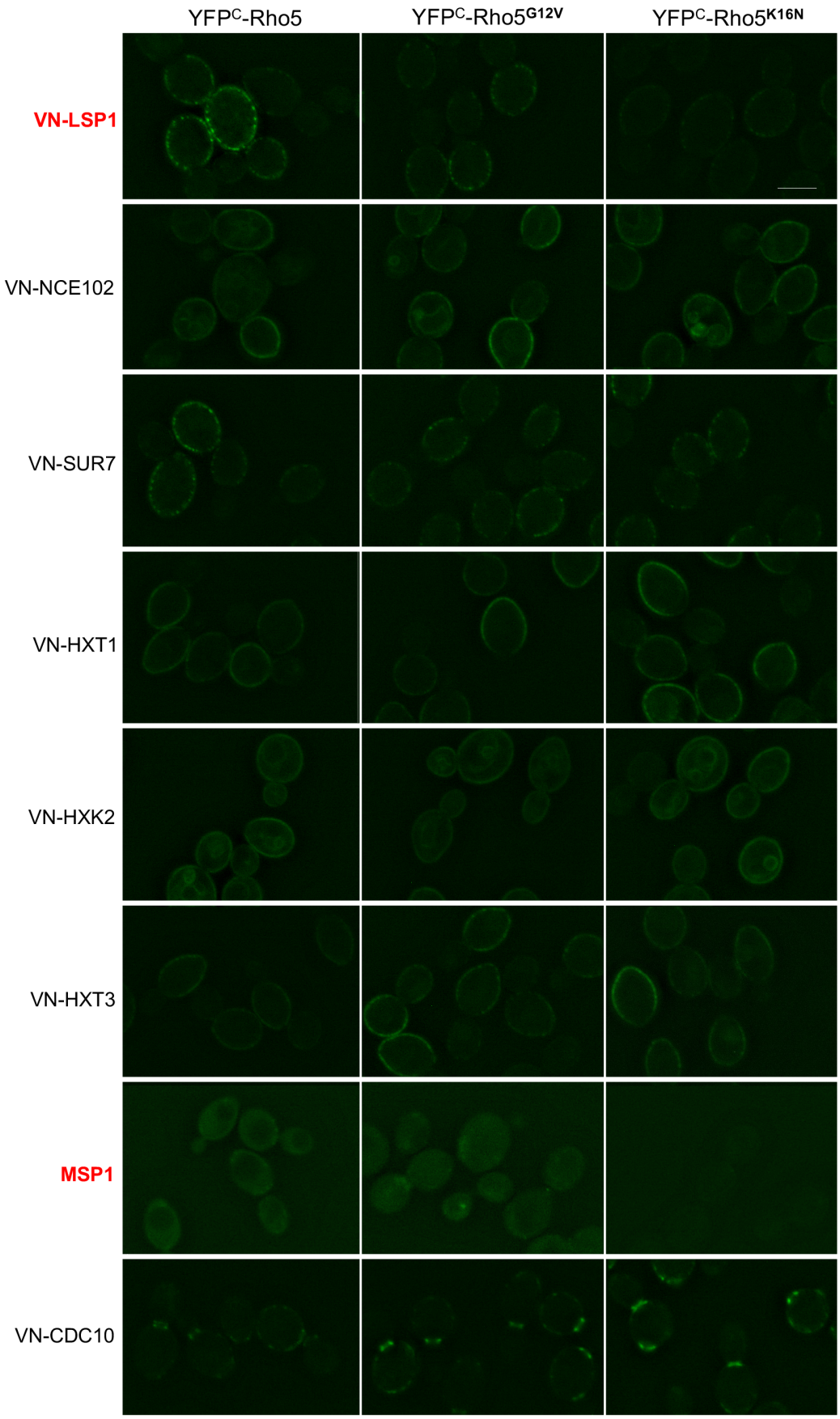


Figures S1. Resistance of selected deletion mutants to H_2O_2

A. Five-fold serial dilutions of each deletion mutant (HPY210 background) were spotted after treatment with 4 mM H_2O_2 for 4 hrs or mock-treatment. Mutants with different degrees of resistance to H_2O2 are marked in color: strong resistance (similar to *rho5*Δ) in red; medium resistance in green; weak

resistance (slightly more resistant than WT) in blue; and some examples of mutants with similar phenotype as WT in gray.

B. Cell survival was determined by a 5-fold serial dilution of each strain (BY4741 background) from fresh cultures (OD_{600} = 0.5~0.6) after subjecting to heat ramp (right) and without treatment (left) and then grown in YPD plate (see Materials and Methods).


YFP^C-Rho5
YFP^C-Rho5^G12V
YFP^C-Rho5^K16N
VN-LSP1
VN-NCE102
VN-SUR7
VN-HXT1
VN-HXK2
VN-HXT3
MSP1
VN-CDC10

(continued)

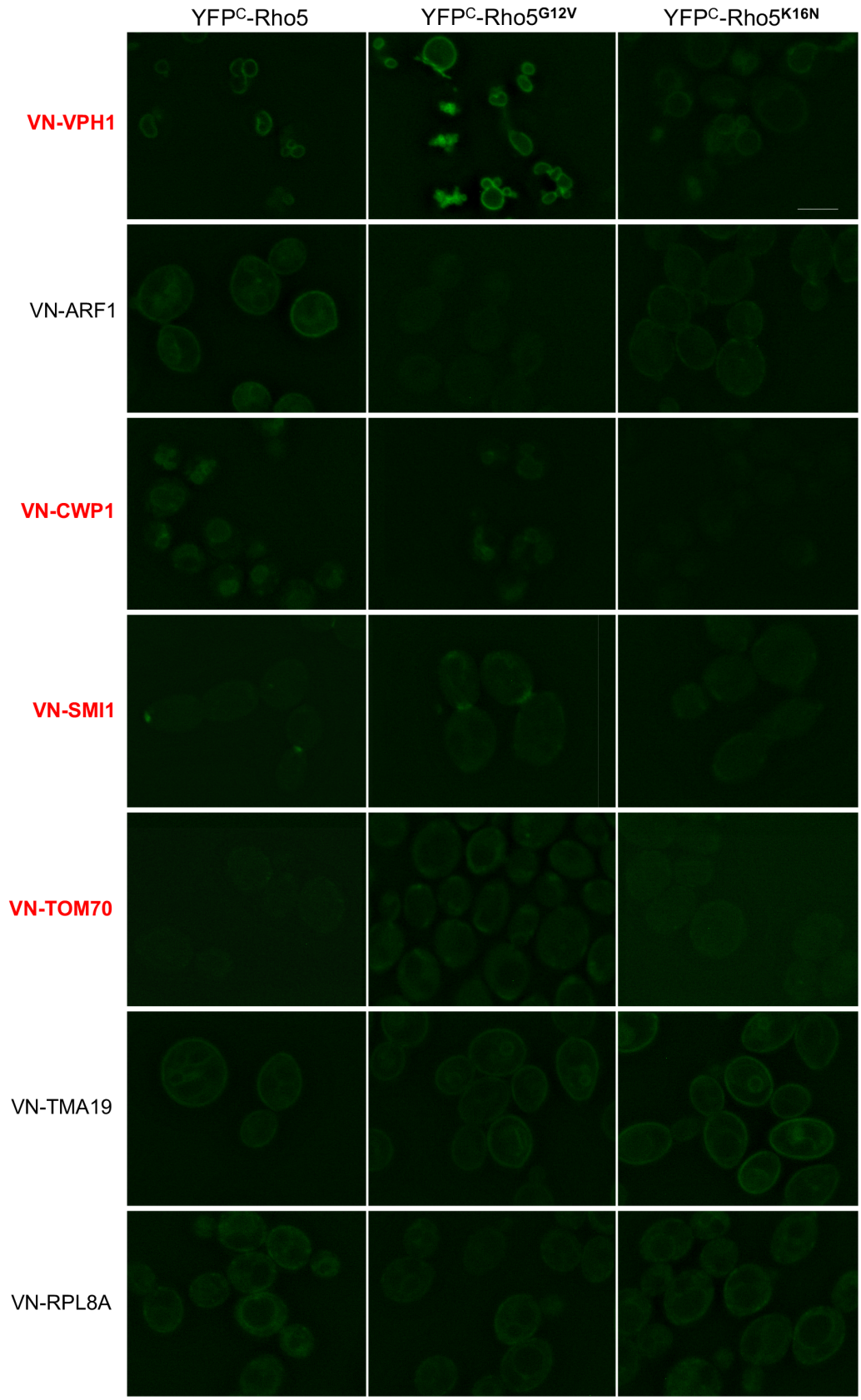


Figure S2. BiFC analyses of candidate VN fusions with YFP^C fusions of WT or mutant Rho5
Each marked VN fusion was expressed together with YFP^C-Rho5^{WT}, YFP^C-Rho5^{G12V}, or YFP^C-Rho5^{K16N}. Those VN fusions that showed preferentially stronger fluorescence signals with YFP^C-Rho5^{G12V} or YFP^C-Rho5^{WT} are labeled in red.