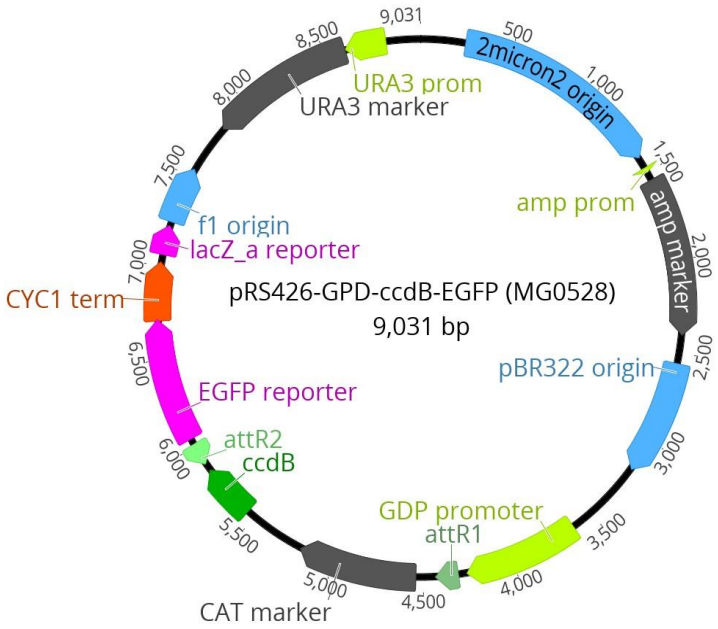

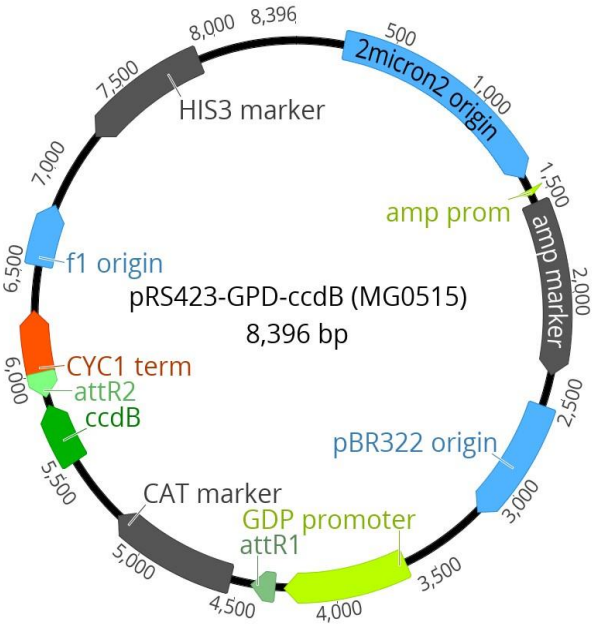

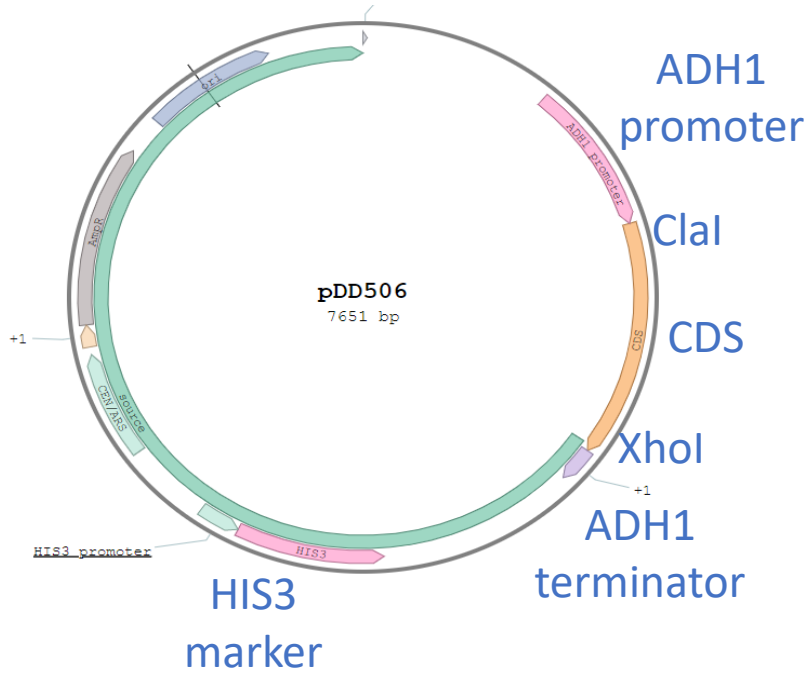

Figure S1. Plasmids MGO515 (HIS3), MGO528 (URA3) and pDD506 (HIS3) were used in this study for the overexpression of proteins in *S. cerevisiae*

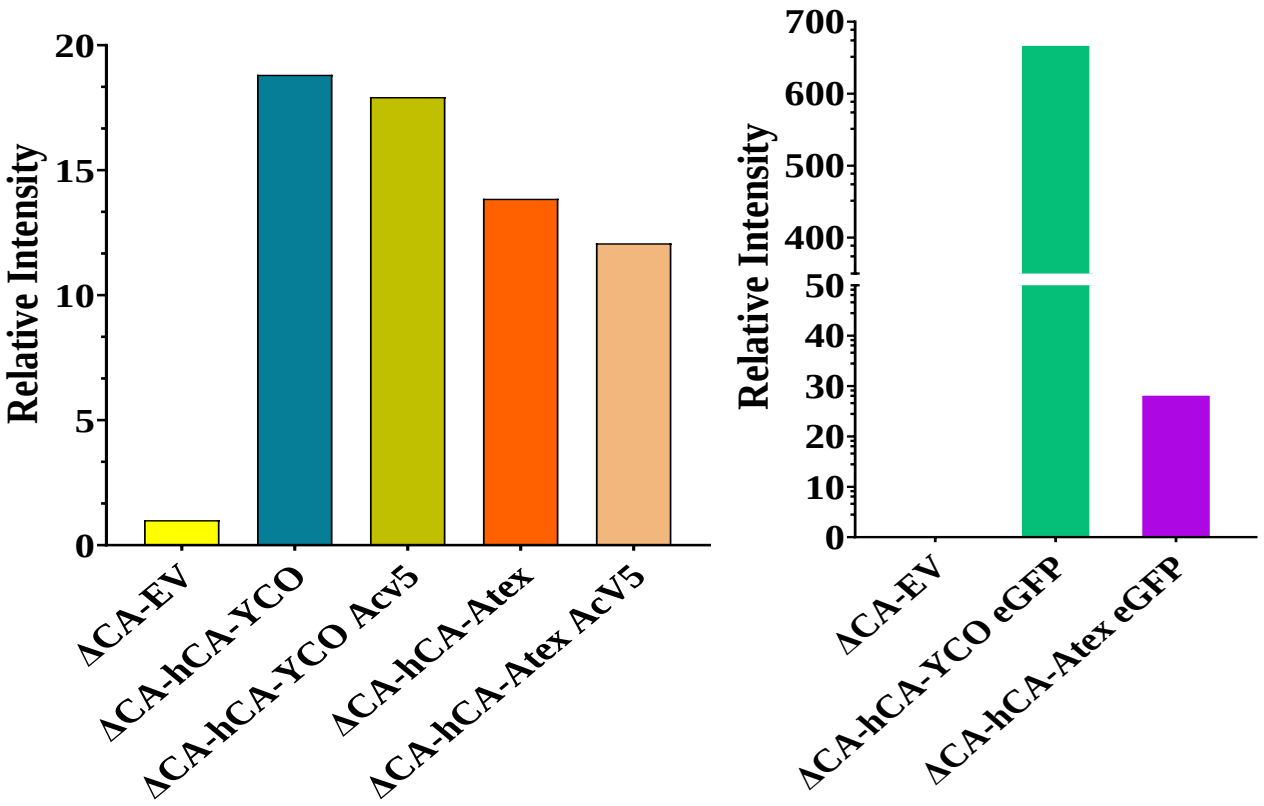

Figure S2: Relative intensity of the modified hCA bands for the immunoblot experiment shown in Figures 6a and 6b

Table S1 . Primers used in this study for cloning.

A. Primers used in the PCR amplified disruption cassettes for gene disruption

Primer Name	**Sequence**
DD0-1976	TCTTCTGAAAACCCCAACCACATCAACTACAGCTAAGACTACAAATTTCAATT ATTACACATCAGAGCAGATTGTACTGAGAGTGC
DD0-1976	CCGTCTACTTTGTAAATGTCTTTCTATTTCAATGAATATTATATAAGTATATCGGT GAGGCTAAAACTCCTTACGCATCTGTGCGG

B. Primers used for the confirmation of successful gene disruption

Primer Name	**Sequence**
NCE103 delete check Fw	GAATTAATTCGCATTGTCACCATG
NCE103 delete check Rv	CATCATTCCTATTCAAAAGGTAAG
pRS universal Fw	GCACTCTCAGTACAATCTGC
pRS universal Rv	CCGCACAGATGCGTAAGGAG

C. Primers used for the cloning

Primer Name	**Sequence**
CAH5 Fw	CTATATCGATATGTCGTCGCGGAATGTCGCT
CAH5 Rv	CTATCTCGAGGCTTAGGCAATCTCGGTCACCTTGC
CAH3 Fw	CTATATCGATATGGCAGCTTGGAACTATGGCG
CAH3 Rv	CTATCTCGAGGCTCGTATTCGACCAGGCGG
AtβCA3 Fw	CTATATCGATATGTCGACAGAGTCGTACG
AtβCA3 Rv	CTATCTCGAGTTAAGACAAGGCAAAGGCA