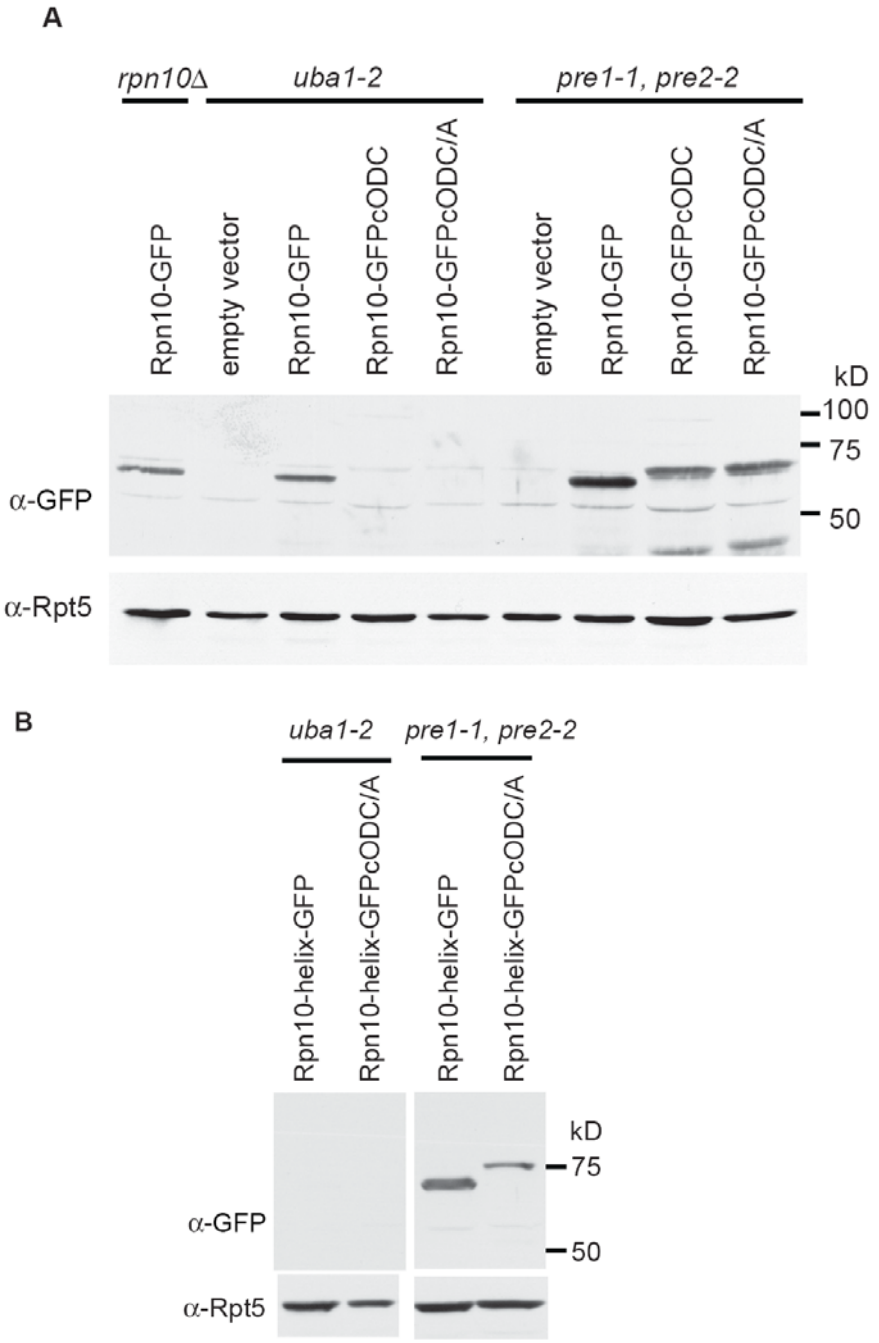
Supplemental figure 1.



The degradation of Rpn10-fusions is ubiquitin–independent, but proteasome dependent. The ubiquitin activating enzyme mutant, *uba1-2**, and a proteasome mutant, *pre1-1, pre2-2***, expressed the indicated fusion proteins. The *uba1-2* cells were incubated at 30˚ C, a temperature that elicits their mutant phenotypes. the *pre1-1, pre2-2* mutant was incubated at 37 ˚C for 2 hours before harvesting cells. Cell extracts were prepared and the level of

proteins was determined by Western blot analysis with anti-GFP. Rpt5 was immunoblotted as a loading control.

* MHY1409: *MAT□ his3-200, leu2-3,112, lys2-801, trp1-1, ura3-52, gal2, uba1-2;mTn3*
Swanson, R. and Hochstrasser, M. (2000) A viable ubiquitin-activating enzyme mutant for evaluating ubiquitin system function in Saccharomyces cerevisiae. FEBS Lett, 477, 193-198.
** WCG4-11/22a: *his3-11,15, leu2-3,112, ura3, pre1-1, pre2-2, MATa*
Heinemeyer, W., Gruhler, A., Mohrle, V., Mahe, Y. and Wolf, D.H (1993). PRE2, highly homologous to the human major histocompatibility complex- linked RING10 gene, codes for a yeast proteasome subunit necessary for chrymotryptic activity and degradation of ubiquitinated proteins. J. Biol. Chem., 268: 5115 – 5120