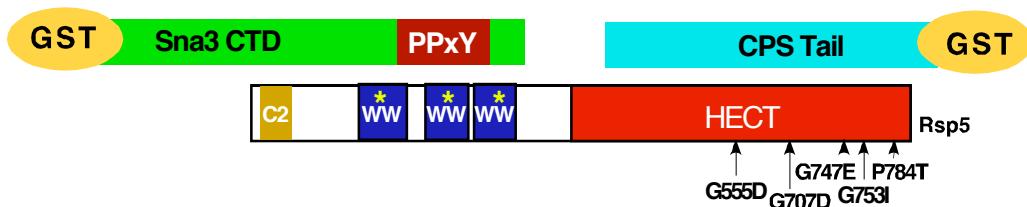
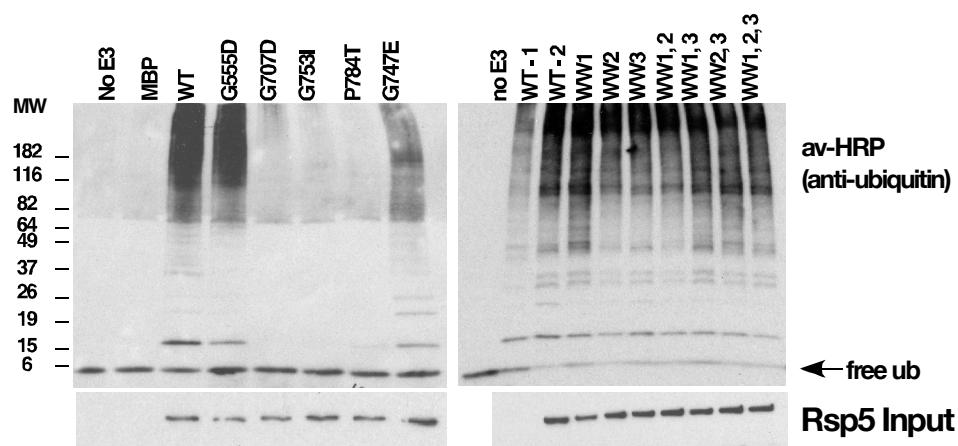


Supplemental Figure 1: Characterization of mutant Rsp5 binding and ubiquitination defects *in vitro*

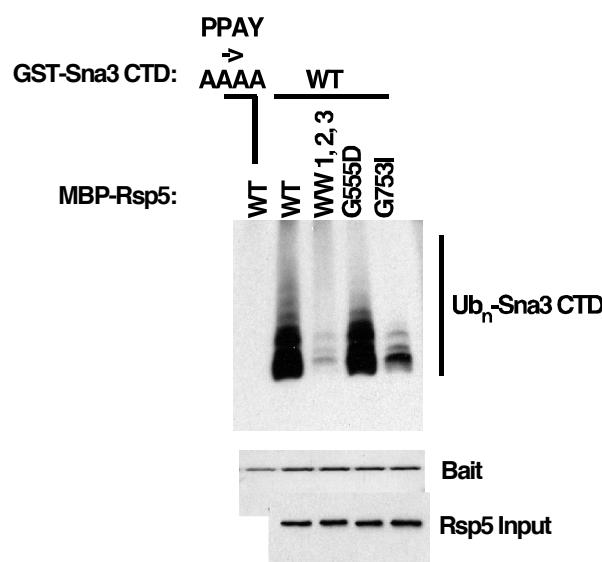
A.



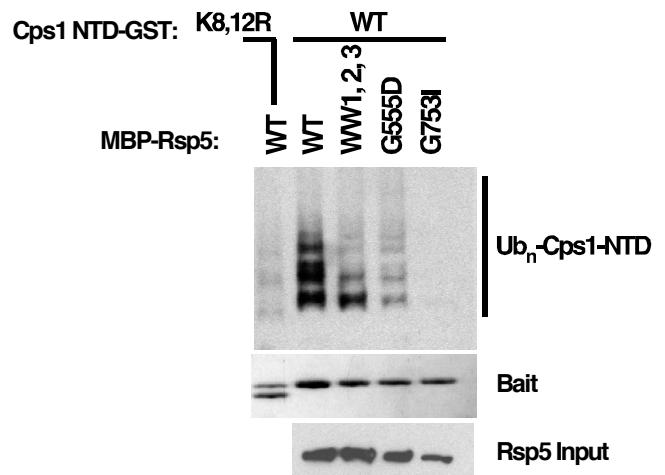
B.



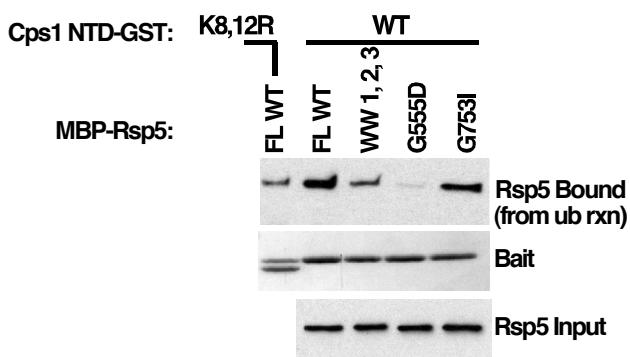
C.



D.

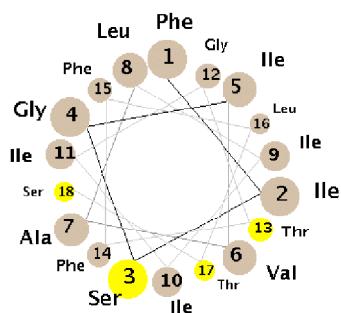


E.



Supplemental Figure 2: Analysis of Cps1 TMD mutants

A.



B.

Sso1	RCWLIVFAIIVVVVVVVVVPAVK
Cps1	R A F I S G I V A L I I G T F F L T S G L H
Phm5	K S L I A I L S T C V L F F L V F I I G A K
Sec12	K F F T N F I L I V L L S Y I L Q F S Y K

C.

SEY6210

bsd2Δ

TMD

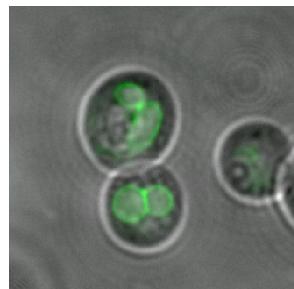
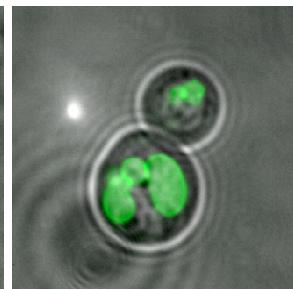
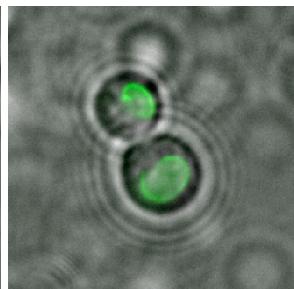
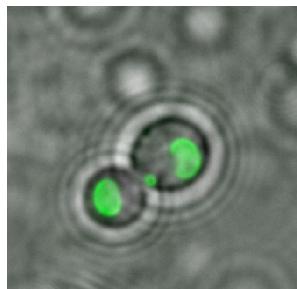
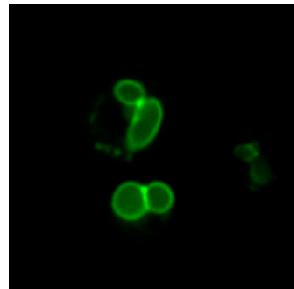
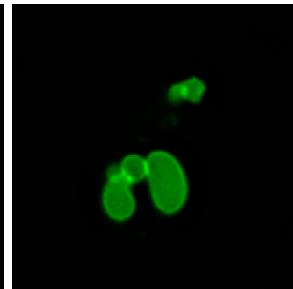
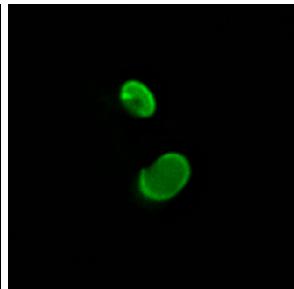
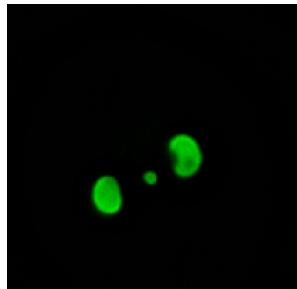
WT

TTS-AAA

FF-AA

WT

GFP-Cps1^{E7R}



Supplemental Table 1: HECT domain proteins

HERC2_DROME
HERC2_MOUSE
HERC2_HUMAN
HECD1_HUMAN
TRIPC_HUMAN
HUL4_ASHGO
HUL4_YEAST
UBE3A_HUMAN
UBE3A_MOUSE
HECD2_MOUSE
HECD2_PONPY
HECD2_HUMAN
HERC5_HUMAN
HERC3_HUMAN
HUL5_YEAST
UBE3C_HUMAN
UBE3C_MOUSE
K0317_HUMAN
K0317_MOUSE
UPL1_ARATH
UPL2_ARATH
HUWE1_HUMAN
HUWE1_RAT
TOM1_ASHGO
TOM1_YEAST
PTR1_SCHPO
TOM1_NEUCR
SUDX_DROME
ITCH_MOUSE
ITCH_HUMAN
1nd7_A
WWP1_HUMAN
WWP1_MOUSE
WWP2_HUMAN
WWP2_MOUSE
SMUF1_DROME
SMUF2_HUMAN
SMUF1_XENLA
SMUF1_HUMAN
SMUF1_MOUSE
NEDD4_DROME
NED4L_HUMAN
NED4L_PONPY
NEDD4_HUMAN
NEDD4_MOUSE

NEDD4_RAT
PUB2_SCHPO
RSP5_YEAST
PUB1_SCHPO
PUB3_SCHPO