

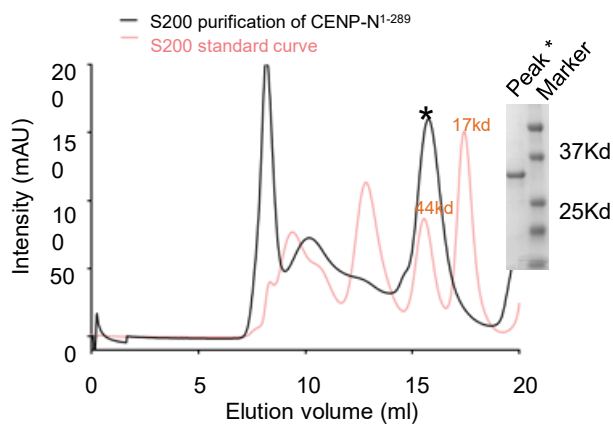
Supplemental Materials

Molecular Biology of the Cell

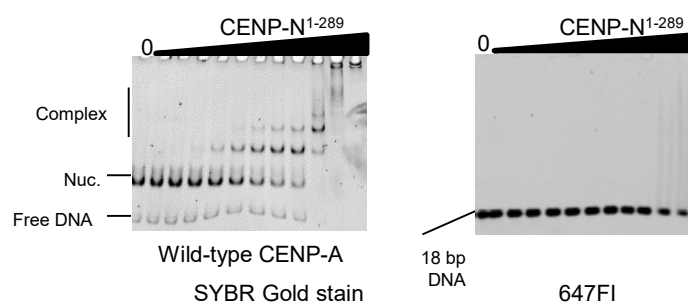
Cao et al.

Supplemental Figure S1

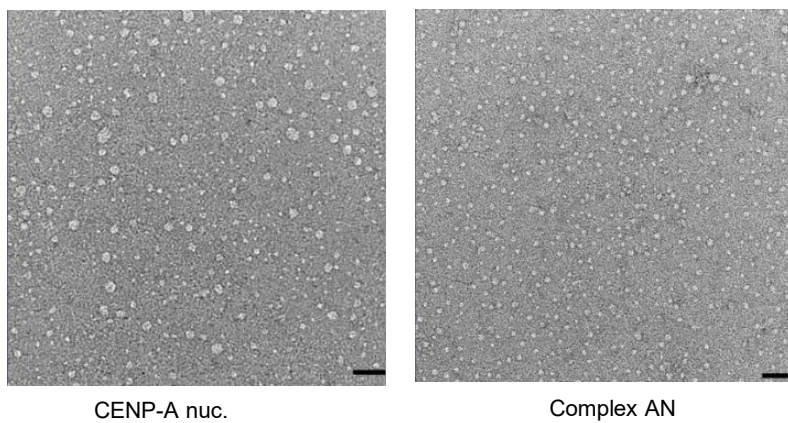
A



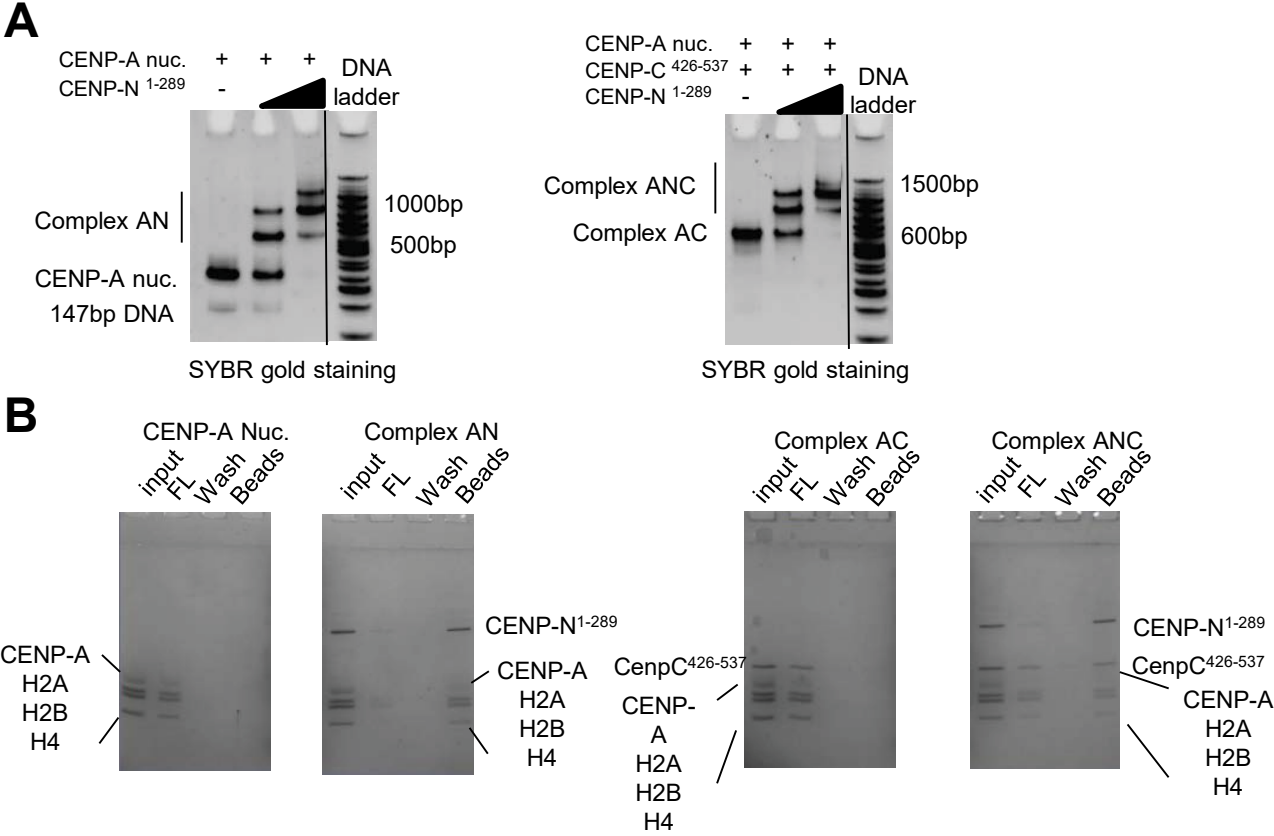
B



C

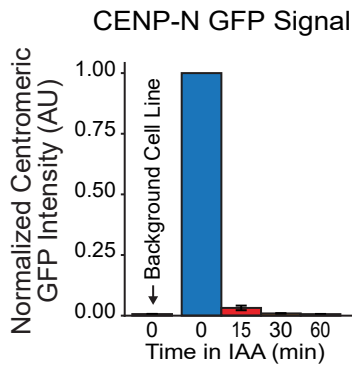
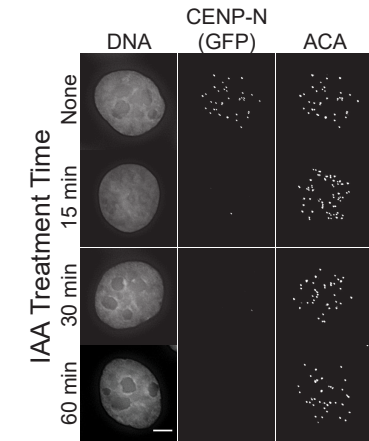


Supplemental Figure S2

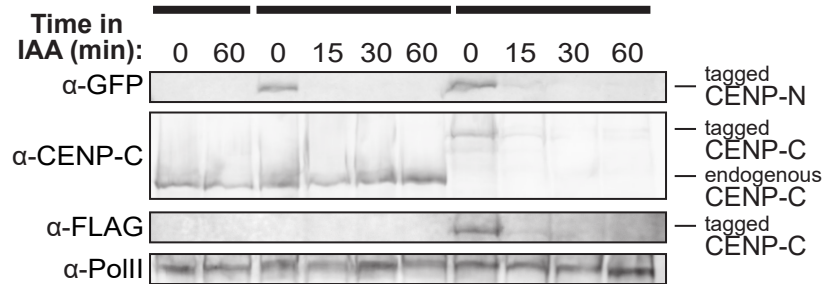
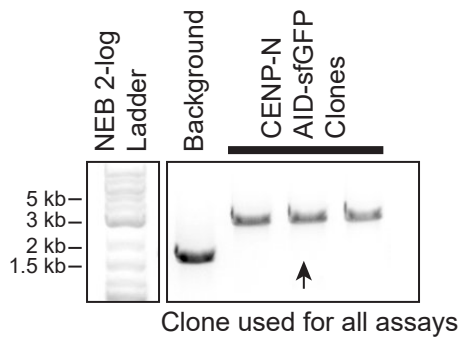
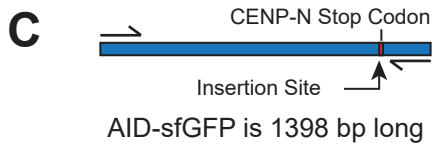
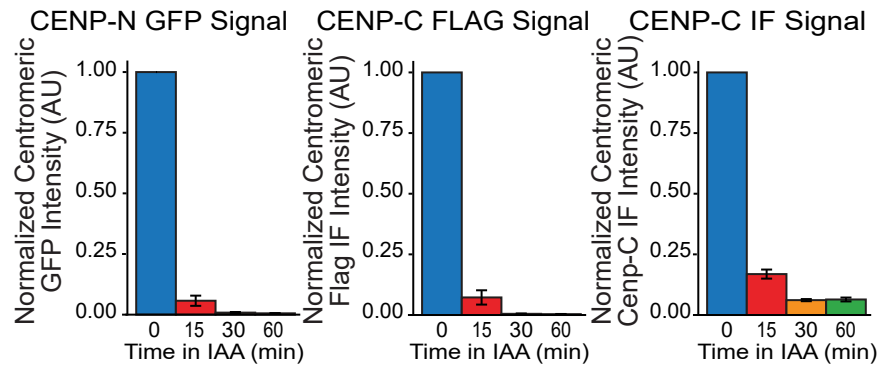
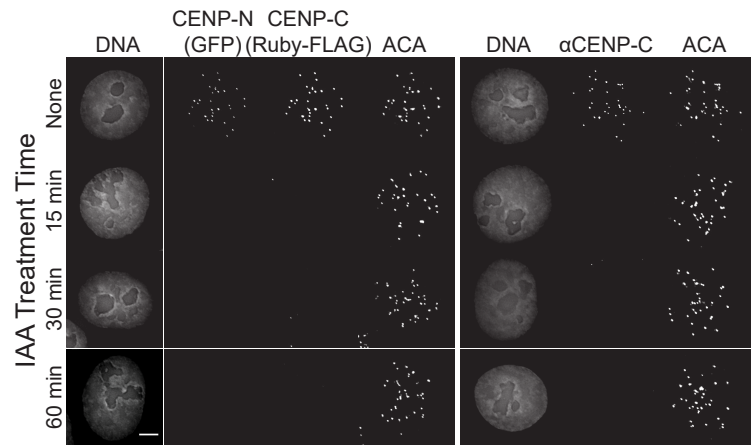


Supplemental Figure S3

A CENP-N AID-sfGFP Cell Line

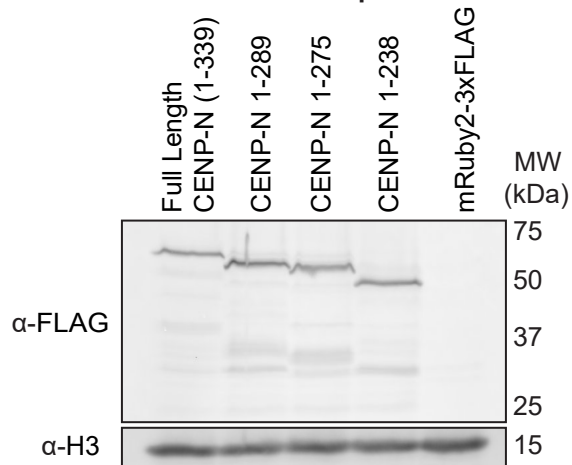


B CENP-N AID-sfGFP, CENP-C AID-mRuby2-3xFlag Cell Line

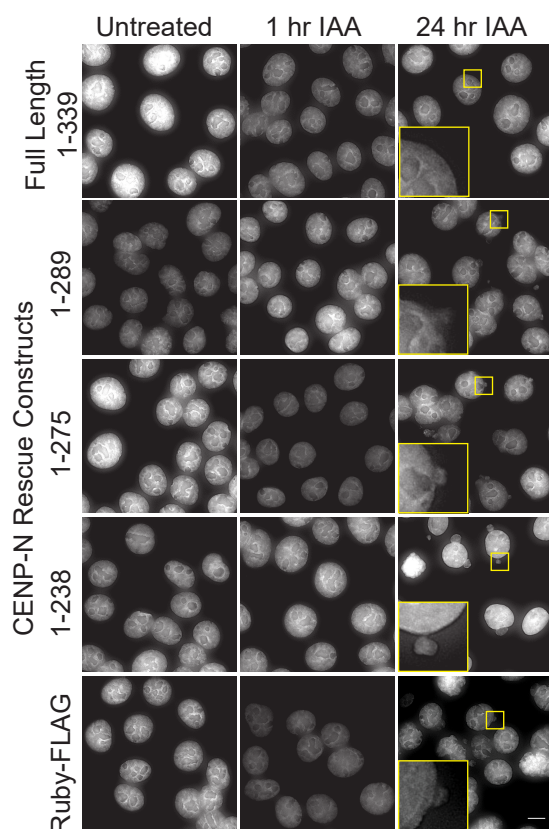


Supplemental Figure S4

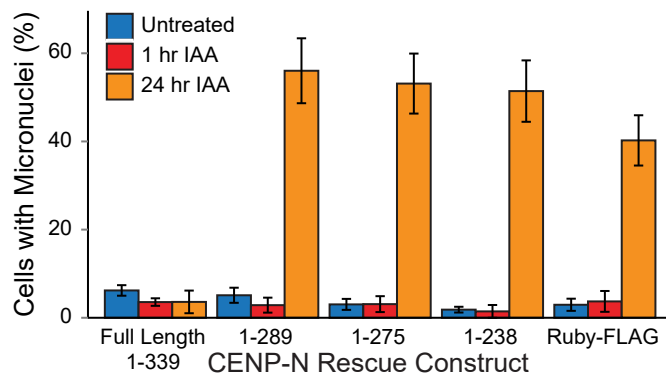
A CENP-N mRuby2-3xFLAG tagged rescue construct expression



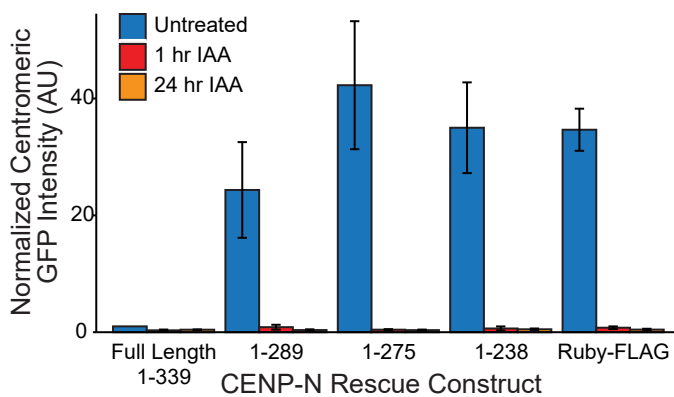
B Degrade endogenous CENP-N, assay rescue by constructs



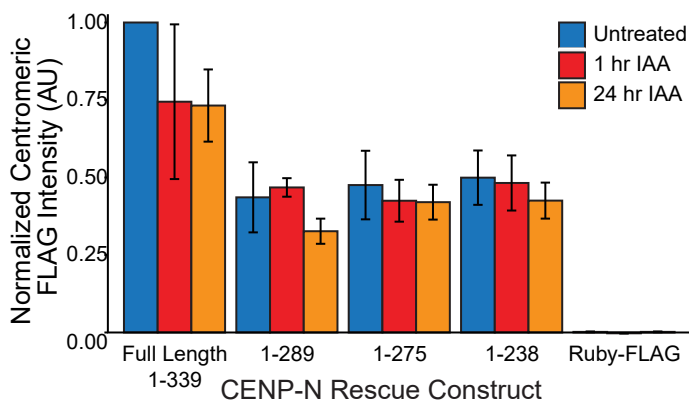
C Percent cells with micronuclei



D Endogenous CENP-N Localization

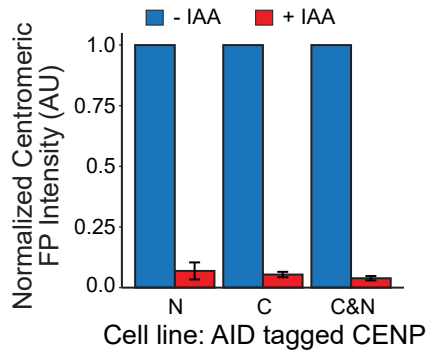


E CENP-N Rescue Construct Localization

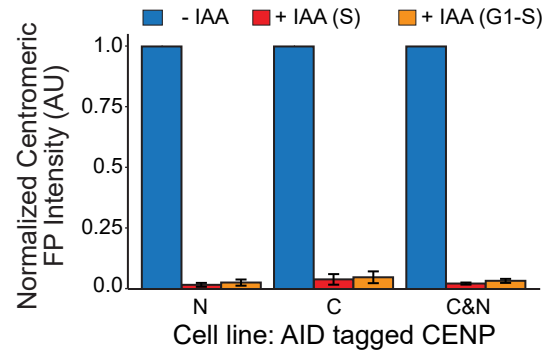


Supplemental Figure S5

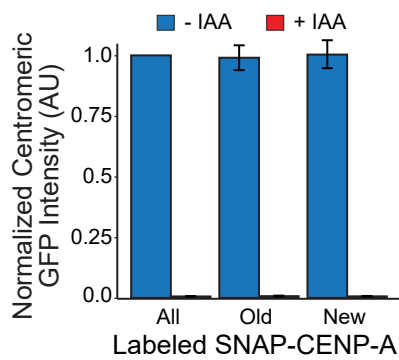
A Degrade CENP-C and/or CENP-N during G1



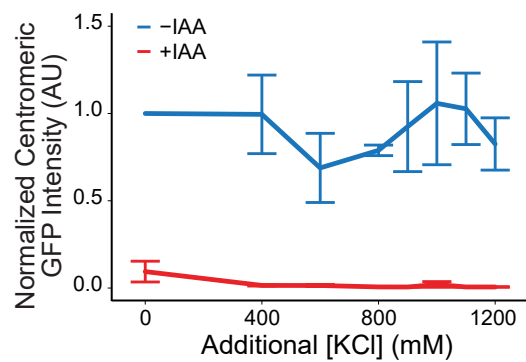
B Degrade CENP-C and/or CENP-N during G1 through G2 or S through G2



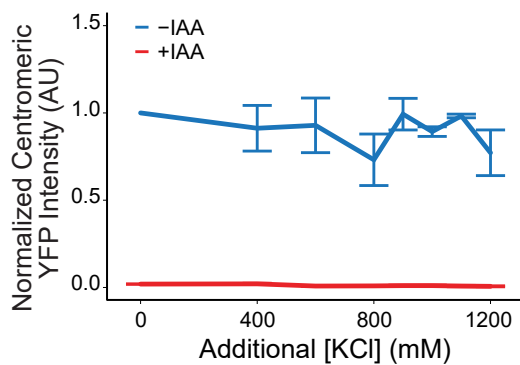
C Degrade CENP-C and/or CENP-N during G1



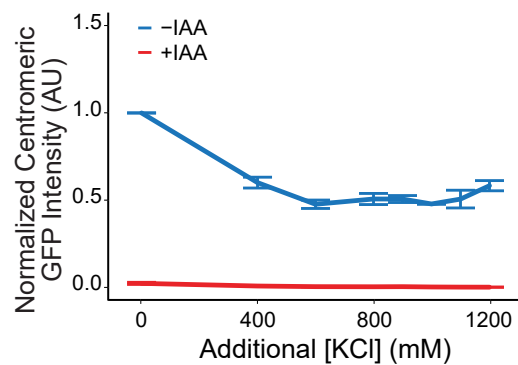
D Cell line with CENP-N-AID-GFP



E Cell line with CENP-C-AID-YFP



F Cell line with CENP-N-AID-GFP and CENP-C-AID-mRuby2-FLAG

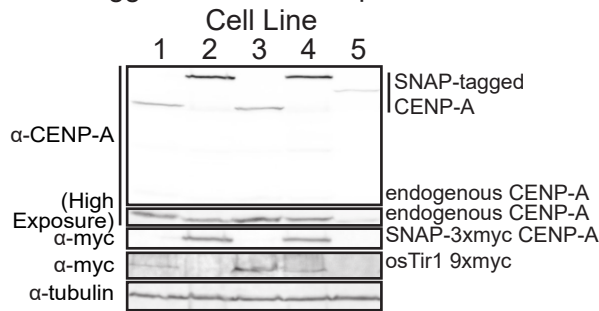


Supplemental Figure S6

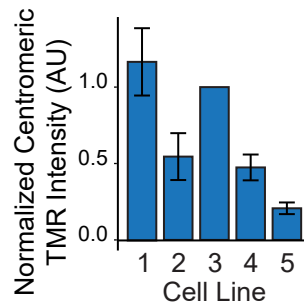
A Cell Lines used in comparisons

- 1) Background Line (no AID tag) SNAP-CENP-A
 - 2) Background Line (no AID tag) SNAP-3xmyc-CENP-A
 - 3) CENP-N AID-sfGFP SNAP-CENP-A
 - 4) CENP-N AID-sfGFP SNAP-3xmyc-CENP-A
 - 5) CENP-N AID-EGFP CENP-A-SNAP
- (From Guo et al. 2017)

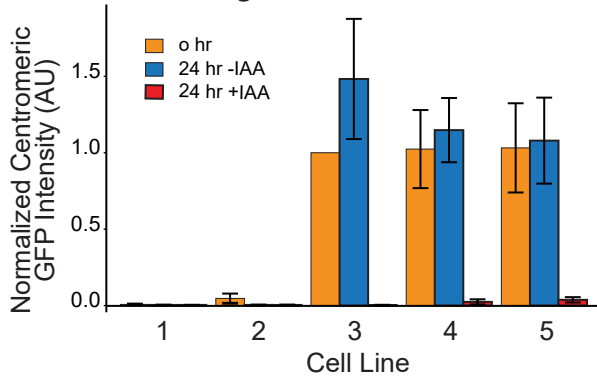
B SNAP-tagged CENP-A total protein levels



C Centromeric TMR Star localization across cell lines

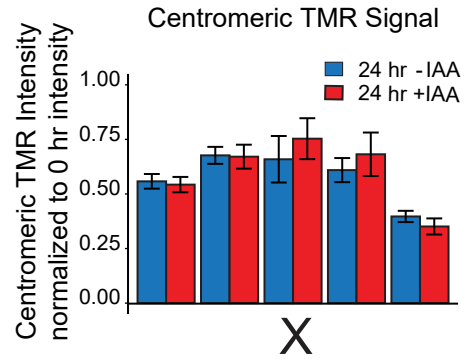


D Centromeric GFP signal with 24hr IAA Treatment



E

Centromeric TMR signal with 24hr IAA Treatment



Relative Change in Cell Number

