Figure S2

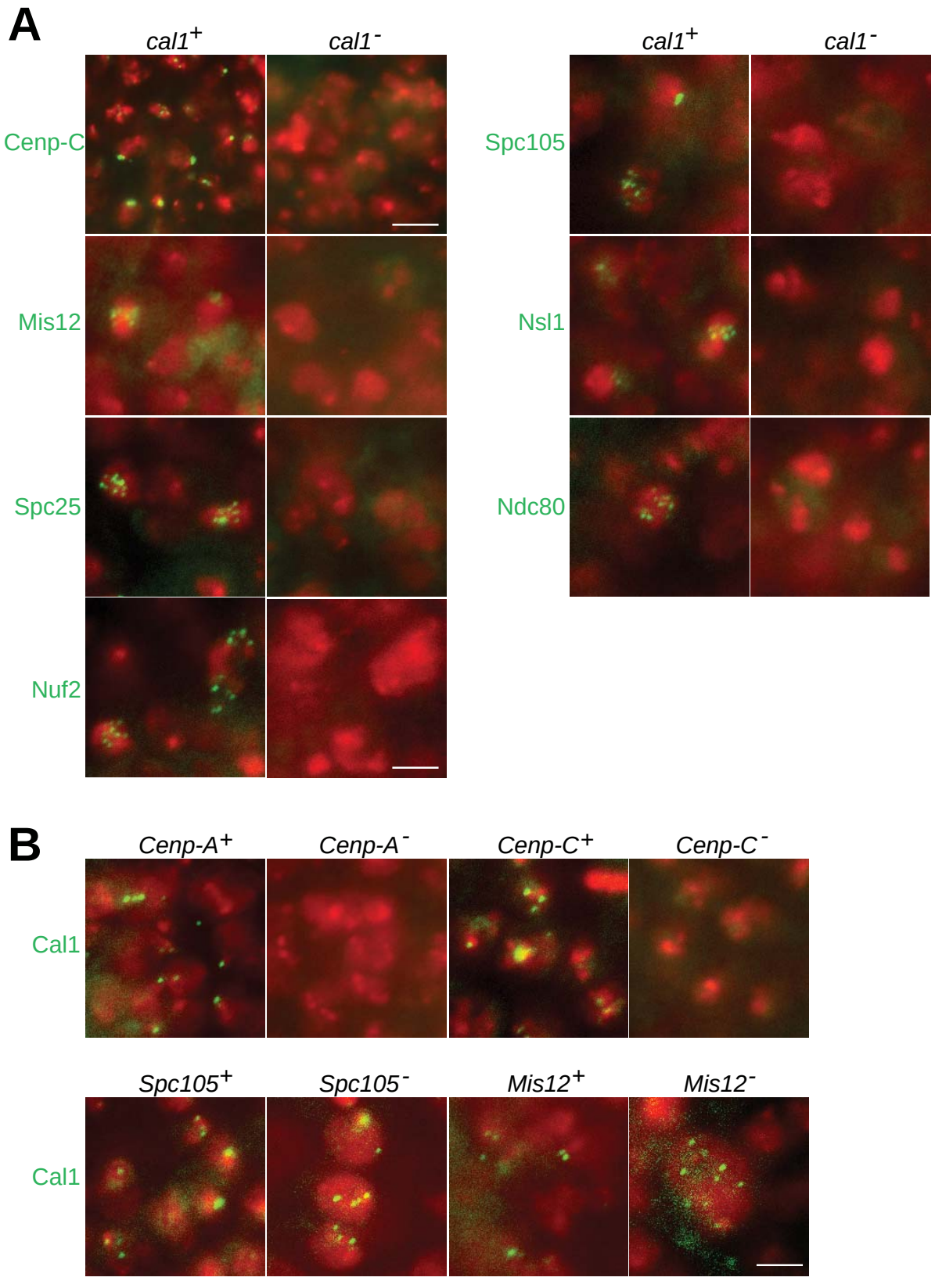
A
cal1+
cal1-
Cenp-C
Mis12
Spc25
Nuf2
cal1+
cal1-
Spc105
Nsl1
Ndc80
B
Cenp-A+
Cenp-A-
Cenp-C+
Cenp-C-
Cal1
Spc105+
Spc105-
Mis12+
Mis12-
Cal1

Figure S2. Cal1 acts at the top of the kinetochore assembly pathway.

(A) Localization of EGFP-fusions of Cenp-C, Spc105, Mis12, Nsl1, Spc25, Ndc80 and Nuf2 in homozygous *cal1*^{c03646} embryos (*cal1*$^{-}$) and in sibling control embryos (*cal1*$^{+}$) within the CNS after germband retraction. Representative mitotic figures are shown with the kinetochore proteins in *green* and DNA staining in *red*. Magnification in the first two Cenp-C panels is indicated by the upper bar = 6 μm; magnification in all other panels by the lower bar = 3 μm.

(B) Localization of Cal1-EGFP in *cid*$^{T12\text{-}1}$/*cid*$^{T22\text{-}4}$ (*Cenp-A*$^{-}$), *Cenp-C*^{prl41} (*Cenp-C*$^{-}$), *Spc105*^{1} (*Spc105*$^{-}$) and *Mis12*^{f03756} (*Mis12*$^{-}$) mutant embryos as well as in sibling control embryos (*Cenp-A*$^{+}$, *Cenp-C*$^{+}$, *Spc105*$^{+}$ and *Mis12*$^{+}$, respectively). Representative regions with Cal1-EGFP in *green* and DNA staining in *red* are shown at the stage where phenotypic abnormalities start in the mutant embryos, i.e. during mitosis 16 in *Cenp-C* and *Spc105* mutants and during the later mitotic divisions in the CNS in *Mis12* and *Cenp-A/cid* mutants. Bar = 3 μm.